SAFETY DATA SHEET



 DATE ISSUED :
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 SDS REF. No :
 8100 SERIES

8100 SERIES WATERBORNE BAKING

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: 8100 SERIES WATERBORNE BAKING

PRODUCT CODE:8100 SERIES**PRODUCT USE:**Industrial Waterborne Paint

MANUFACTURER

Cardinal Industrial Finishes 1329 Potrero Ave

24 HR. EMERGENCY TELEPHONE NUMBER CHEMTREC (US Transportation): (800)424-9300 CHEMTREC (International : 1(202)483-7616 Transportation) WEB: WWW.CARDINALPAINT.COM

S. El Monte, CA, 626 444-9274

2. HAZARDS IDENTIFICATION

PICTOGRAMS



SIGNAL WORD : WARNING

HAZARD STATEMENTS :

H319 Causes serious eye irritation.

PRECAUTIONARY STATEMENTS : P264 Wash thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

P337 + P313 If eye irritation persists: Get medical advice/attention.

P403 Store in a well-ventilated place.

P501 Dispose of in accordance with Local, Regional, State, Federal, and International Regulations.

R40 Limited evidence of a carcinogenic effect.

S36 Wear suitable protective clothing.

S37 Wear suitable gloves.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Weight %	CAS Number
Ethylene glycol mono butyl ether	1% - 5%	111-76-2
Dimethylethanolamine	1% - 5%	108-01-0
Dipropylene Glycol	1% - 5%	25265-71-8

The follow substances may be present in varying quantities depending on color.

Titanium Dioxide	0% - 60%	13463-67-7	
Carbon Black	0% - 40%	1333-86-4	

4. FIRST AID MEASURES

Description of first aid measures.

EYES CONTACT : EYE CONTACT: Moderate irritation, tearing or blurred vision.

SKIN CONTACT : SKIN CONTACT: Moderate irritation possible from prolonged exposure; defatting and dermatitis.

INGESTION : INGESTION: Can cause gastrointestinal irritation, headache, dizziness, nausea and weakness.

INHALATION : INHALATION: May cause nasal irritation, headache, dizziness, nausea, weakness or vomiting. Loss of consciousness.

Most important symptoms and effects, both acute and delayed. Symptoms/injuries: Eye irritation

Symptoms/injuries after inhalation: May cause drowsiness or dizziness.

Symptoms/injuries after eye contact: Cause serious eye irritation.

Symptoms/injuries after ingestion: Ingestion may cause nausea, vomiting and diarrhea.

Indication of any immediate medical attention and special treatment needed.

If medical advise is needed, have product container or label on hand.

5. FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA : Foam, alcohol foam, CO2, dry chemical, water fog.

FIRE FIGHTING PROCEDURE : Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering the environment. Protection during firefighting: Firefighters should wear full protective gear. Do not enter fire area without proper protective equipment, including self-contained breathing apparatus with full face piece operated in pressure demand or other positive pressure modes.

UNUSUAL FIRE AND EXPLOSION HAZARD : Fire hazard: Highly flammable/liquid or vapor. Explosive hazard: May form flammable/explosive vapor-air mixture.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES :

General measures: Remove ignition sources. Use special care to avoid static electric charges. No smoking.

FOR NON-EMERGENCY PERSONNEL :

For non-Emergency procedures: Evacuate unnecessary personnel.

FOR EMERGENCY RESPONDERS :

Equip cleanup crew with proper protection. Avoid breathing fume, vapors.

ENVIRONMENTAL PRECAUTIONS :

Prevent entry to sewers and public waters.

METHODS AND MATERIAL FOR CONTAINMENT AND CLEAN UP :

Collect damaged aerosols and use absorbent and/or inert material, then place in suitable container.

7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING : Additional hazards when processed: Handle empty containers with care because residual vapors are flammable.

Precautions for safe handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when you are leaving work. Provide good ventilation in process area to prevent formation of vapor. No smoking. Use only non-sparking tools. Use outdoors or in a well ventilated area. Avoid breathing fume, vapors. Hygiene measures: Wash Skin thoroughly after handling.

CONDITIONS FOR SAFE STORAGE, INCLUDING INCOMPATIBILITIES : Storage conditions: Store in a dry, cool and well-ventilated place away from: Heat sources. Direct sunlight.

Incompatible products: Strong bases. Strong acids.

Incompatible materials: Source of ignition. Direct sunlight. Heat Sources.

8. EXPOSURE CONTROLS\PERSONAL PROTECTION

Aliphatic Solvent(64742-47-8)		
USA ACGIH	ACGIH (TLV) TWA	200 mg/m3
USA NIOSH	NIOSH REL (ST)	10 mg/m3
USA NIOSH	NIOSH REL (TWA)	5 mg/m3
USA OSHA	OSHA OEL (TLV) TWA Table Z-1	500 ppm, 2,000 mg/m3
USA OSHA	OSHA OEL Table Z-1	5 mg/m3
Aluminum Hydroxide(21645-51-2)		5 mg/m5
USA ACGIH	ACGIH (TLV) TWA	10 mg/m3 (Total dust), 3 mg/m3
USA ACUIT		(Respirable fraction)
USA OSHA	OSHA (PEL) TWA	15 mg/m3 (Tptal dust), 5 mg/m3 (Respirable fraction)
Carbon Black(1333-86-4)		
USA ACGIH	ACGIH TLV (mg/m3)	3.0 mg/m3
USA OSHA	OSHA PEL (mg/m3)	3.5 mg/m3
Ethylene glycol mono butyl ether(111-7		
USA ACGIH	ACGIH TWA (ppm)	20 ppm
USA NIOSH	NIOSH REL (ppm)	5 ppm
USA OSHA	OSHA PO TWA (ppm)	25 ppm
USA OSHA	OSHA TABLE Z-1 TWA (mg/m3)	50 ppm, 240 mg/m3
Ethylene Glycol(107-21-1)		
USA ACGIH	ACGIH (C)	100 mg/m3
USA ACGIH	ACGIH (C) (Aerosol only)	100 mg/m3
USA OSHA	OSHA PO (TLV-C)	50 ppm, 125 mg/m3
Formaldehyde(50-00-0)		56 ppin/ 125 mg/ms
USA ACGIH	ACGIH (TLV)	0.3 ppm
USA OSHA	OSHA (PEL) STEL	2 ppm
USA OSHA	OSHA (PEL) STEL	2 ppm STEL 15 min
USA OSHA	OSHA (PEL) TWA	0.75 ppm
Isobutyl Alcohol(78-83-1)		0.75 ppm
USA ACGIH	ACGIH TWA	50 ppm
USA OSHA	OSHA PEL	100 ppm, 300 mg/m3
Methyl Alcohol(67-56-1)	OSHATEE	100 ppm, 500 mg/m5
USA ACGIH	ACGIH (TLV) STEL	250 ppm
USA ACGIH	ACGIH (TLV) TWA	200 ppm
USA NIOSH	NIOSH (REL) ST	250 ppm, 325 mg/m3
USA NIOSH	NIOSH (REL) TWA	200 ppm, 260 mg/m3
USA OSHA	OSHA (OEL) TWA (Table Z-1)	200 PPM, 260 mg/m3
Propyl Alcohol(71-23-8)		200 1114, 200 119/113
OSA NIOSH	NIOSH (REL) ST	250 ppm, 625 mg/m3
USA ACGIH	ACGIH (TLV) TWA	100 ppm
USA NIOSH	NIOSH (REL) TWA	200 ppm, 500 mg/m3
USA OSHA	OSHA (OEL) TWA - (Table Z-1)	200 ppm
Pyridine(110-86-1)	USHA (ULL) TWA - (TADIE Z-T)	
		1.000
USA ACGIH	ACGIH (TLV) TWA	1 ppm
USA NIOSH	NIOSH (REL) TWA	5 ppm, 15 mg/m3
	OSHA (OEL) TWA (TABLE Z-1)	5 ppm, 15 mg/m3
TALC(14807-96-6)		2 mg/m2
USA ACGIH	ACGIH (TLV) TWA	2 mg/m3
USA NIOSH	NIOSH (REL) TWA	2 mg/m3
USA OSHA	OSHA (Table Z-3) Mineral Dusts TWA	20 Millon particles per cubic foof
Titanium Dioxide(13463-67-7)		45 (2
PEL (Permissible Exposure Limit)	OSHA TWA	15 mg/m3
TLV	ACGIH TWA	10 mg/m3

PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION : If TLV of the product or any component is exceeded, a NIOSH approved Air Supplied Respirator is advised in absence of environmental control. OSHA Regulations also permit other NIOSH Respirators under specified conditions. (See your Safety Equipment Supplier) Engineering or administrative controls should be implemented to reduce exposure.

HAND PROTECTION REMARKS : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

EYES PROTECTION : Do not get in eyes. Solvent resistant safety eyewear with splash guards or side shields is recommended.

SKIN AND BODY PROTECTION : Prevent repeated or prolonged skin contact with GB Protective Handcream, wear impervious clothing and chemical resistant boots.

WORK HYGIENIC PRACTICES: Remove and wash soiled clothing before reuse. Wash hands with soap and water after handling paint, before eating, using the rest room or smoking.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	:	Liquid
Color	:	Various colors depending on the pigmentation.
Odor	:	Characteristic. Sweet. Mint like.
Odor threshold	:	No data available.
Ph	:	N/A – See Technical Data Sheet
Evaporation rate	:	Slower Than Ether
Melting point	:	-94.7 C (-138.46 F)
Freezing point	:	No data available.
Boiling point	:	-3.0 deg F TO 457.0 deg F
Flash point	:	Above 212 deg F
Lower explosion limit	:	1.1
Upper explosion limit	:	12.6
Vapor pressure	:	185 mm Hg
Vapor density	:	Heavier than air
Relative density	:	No data available.
Density	:	10.5681
Solubility	:	No data available.
Partion coefficient: n-	:	No data available.
octanol/water		
Autoignition temperature	:	No data available.
Decomposition temperature	:	No data available.

10. STABILITY AND REACTIVITY

REACTIVITY : No dangerous reaction known under conditions of normal use.

CHEMICAL STABILITY : Stable.

CONDITIONS TO AVOID : Extremely high temperatures, poor ventilation and excessive aging.

INCOMPATIBLE MATERIALS : Avoid contact with strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Hazardous decomposition may produce carbon dioxide and/or carbon monoxide.

11. TOXICOLOGICAL INFORMATION

Aliphatic Solvent(64742-47-	8)
Acute Dermal toxicity	No data available.
Acute Inhalation toxicity	No data available.
Acute toxicity	No data available.
Additional Information	RTECS: Not available Prolonged or repeated exposure to skin causes defatting and dermatitis., To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
Aspiration hazard	No data available.
Carcinogenicity	IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Distillates (petroleum), hydrotrated light, kerosene - unspecified) NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
Germ cell mutagenicity	Reverse mutation assay S. typhimurium Result: negative
Reproductive toxicity	No data available.
Respiratory or skin sensitization	Draize Test - Guinea pig Result: Does not cause skin sensitization.
Serious eye damage/eye	Eyes - Rabbit Result: No eye irritation

irritation	
Skin corrosion/irritation	Skin - Rabbit Result: No skin irritation - 4 h
Specific target organ	No data available.
toxicity - repeated	
exposure	
Specific target organ	No data available.
toxicity - single exposure	
Aluminum Hydroxide(21645- Additional Information	RTECS: BD0940000 Nausea, Vomiting, and Constipation.
Aspiration hazard	No data available.
Carcinogenicity	IARC: No components of this product present at levels greater than or equal to 0.1% is
	identified as probable, possible or confirmed human carcinogen by IARC. ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen by OSHA.
Dermal	No data available.
Germ cell mutagenicity	Mouse lymphocyte Result- negative Mutagenicity (micronucleus test) Rat - male Result: negative
Inhalation	No data available.
LD50 Oral - Rat - female - Acute toxicity	>5,000 mg/kg, Oral - Rat - female
Reproductive toxicity	No data available.
Respiratory or skin sensitization	Maximization Test (GPMT) - Guinea pig Result- Does not cause skin sensitization.(OECD Test Guideline 406)
Serious eye damage/eye irritation	Eyes - Rabbit Result: No eye irritation (OECD Test Guideline 405)
Skin corrosion/irritation	Skin - Rabbit Result: No skin irritation - 4 h (OECD Test Guideline 404)
Specific target organ	No data available.
toxicity - repeated exposure	
Specific target organ	No data available.
toxicity - single exposure Amorphous Silica(7631-86-9	
Additional toxicological	The product is not subject to classification according to internally approved calculation
information	methods for preparations: When used and handled according to specifications, the product does not have any harmful effects according to our experience and information provided to us.
Irritant of skin	Not irritating (rabbit) (OCED 404)
Irritatant of eyes	Not irritating (rabbit) (OCED 405)
LC0 - Inhalative	>140->2000 mg/m3 / 4 h (Rat) (OCED 403)
LD50 - Dermal - Rabbit	>5000 mg/kg (Rabbit)
LD50 - Oral - Rat	>5000 mg/kg (Rat) (OECD 401)
Other information - Oral	=> 1340 mg/kg/day
Sensitization	Not sensitizating (guinea pig) (OCED 406)
Carbon Black(1333-86-4) ACGIH	ACGIH The American Conference of Governmental Industrial Hygienists classifies carbon
	black as A4, Not Classifiable as a Human Carcinogen.
Carcinogenicity	GHS- Not a hazardous substance or preparation according to the Global Harmonized System
Classification	(GHS).
Human Epidemiology	Results of epidemiological studies of carbon black production workers suggest that cumulative exposure to carbon black may result in small decrements in lung function, as measured by FEV1. A recent U.S. respiratory morbidity study suggested a 27 mL decline in
	FEV1 from a 1 mg/m3 (inhalable fraction) exposure over a 40-year period. An older European investigation suggested an exposure to 1 mg/m3 (inhalable fraction) of carbon
	black over a 40-year working-lifetime will result in a 48 mL decline in FEV1. In contrast, normal age related decline over a similar period of time would be approximately 1200 ml.
	The relationship between symptoms and exposure to carbon black is less clear. In the U.S. study, 9% of the highest exposure group (in contrast to 5% of the unexposed group) reported symptoms consistent with chronic bronchitis. In the European study, methodological limitations in the administration of the questionnaire limit the drawing of
Human Epidemiology - cont	definitive conclusions about symptoms. Since this IARC evaluation of carbon black, Sorahan and Harrington 16) re-analyzed the UK
	study data using an alternative exposure hypothesis and found a positive association with carbon black exposure in two of the five plants. The same exposure hypothesis was applied by Morfeld and McCunney 17-18) to the German cohort; in contrast, they found no
	association between carbon black exposure and lung cancer risk and, thus, no support for the alternative exposure hypothesis used by Sorahan and Harrington 16).

Human Epidemiology -	Morfeld and McCunney 19) applied a Bayesian approach to unravel the role of uncontrolled
cont.	confounders and identified smoking and prior exposure to occupational carcinogens received
	before being hired in the carbon black industry as main causes of the observed lung cancer
	excess risk. Overall, as a result of these detailed investigations, no causative link between
	carbon black exposure and cancer risk in humans has been demonstrated. This view is
	consistent with the IARC evaluation in 2006. Several epidemiological and clinical studies of
	workers in the carbon black production industries show no evidence of clinically significant
	adverse health effects due to occupational exposure to carbon black. No dose response
	relationship was observed in workers exposed to carbon black.
Human Epidemiology -cont.	This study, however, indicated a link between carbon black and small opacities on chest
	films, with negligible effects on lung function. A study on carbon black production workers in the UK 10) found an increased risk of lung cancer in two of the five plants studied; however,
	the increase was not related to the dose of carbon black. Thus, the authors did not consider
	the increased risk in lung cancer to be due to carbon black exposure. A German study of
	carbon black workers at one plant 11-14) found a similar increase in lung cancer risk but,
	like the 2001 UK study 10), found no association with carbon black exposure. In contrast, a
	large US study 15) of 18 plants showed a reduction in lung cancer risk in carbon black
	production workers. Based upon these studies, the February 2006 Working Group at IARC
	concluded that the human evidence for carcinogenicity was inadequate 1).
IARC	IARC In 1995 IARC concluded, "There is inadequate evidence in humans for the
	carcinogenicity of carbon black." Based on rat inhalation studies IARC concluded that there
	is, "sufficient evidence in experimental animals for the carcinogenicity of carbon black,"
	IARC's overall evaluation was that, "Carbon black is possibly carcinogenic to humans (Group
	2B)". This conclusion was based on IARC's guidelines, which require such a classification if
	one species exhibits carcinogenicity in two or more studies. IARC performed another review
	in 2006, and again classified carbon black as possibly carcinogenic to humans (Group 2B).
	In its 1987 review IARC concluded, "There is sufficient evidence in experimental animals for
	the carcinogenicity of carbon black extracts." Carbon black extracts are classified as,
	possibly carcinogenic to humans (Group 2B).
LD50 (Rat)	>8000 mg/kg
Mutagenic Effects and Germ Cell Mutagenicity	In an experimental investigation, mutational changes in the hprt gene were reported in alveolar epithelial cells in the rat following inhalation exposure to carbon black. This
Gerni Cell Mutagenicity	observation is believed to be rat specific and a consequence of "lung overload" which led to
	chronic inflammation and release of genotoxic oxygen species. This mechanism is
	considered to be a secondary genotoxic effect and thus, carbon black itself would not be
	considered to be mutagenic. Carbon black is not suitable to be tested in bacterial (Ames
	test) and other in vitro systems because of its insolubility in aqueous solutions. When
	tested, however, results for carbon black showed no mutagenic effects. Organic solvent
	extracts of carbon black can, however, contain traces of polycyclic aromatic hydrocarbons
	(PAHs). A study to examine the bioavailability of these PAHs showed that PAHs are very
	tightly bound to carbon black and not bioavailable.
NIOSH	NIOSH The U.S. National Institute of Occupational Safety and Health (NIOSH) 1978 criteria
	document on carbon black recommends that only carbon blacks with PAH contaminant
	levels greater than 0.1% require the measurement of PAHs in air. As some PAHs are
	possible human carcinogens, NIOSH recommends an exposure limit of 0.1 mg/m3 for PAHs
	in air, measured as the cyclohexane-extractable fraction.
NTP	NTP Carbon black is not designated a carcinogen by the U.S. National Toxicology Program
	(NTP), the U.S. Occupational Safety and Health Administration (OSHA) or the European
Reproductive and	Union (EU). No experimental studies on effects of carbon black on fertility and reproduction have been
Teratogenic Effects	located. However, based on toxicokinetic data, carbon black is deposited in the lungs and
	based on its specific physicochemical properties (insolubility, low absorption potential), it is
	not likely to distribute in the body to reach reproductive organs, embryo and/or fetus under
	in vivo conditions. Therefore, no adverse effects of carbon black to fertility/reproduction or
	to fetal development are expected. No effects have been reported in long-term animal
	studies.
Sensitization	No animal data is available. No cases in humans have been reported.
STOT- repeated exposure	Therefore, no STOT, Repeated exposure classification is made.
STOT- single exposure	Inhalation studies with the rat showed lung effects (see Section 11.2 and 11.3), these
	effects are believed to be the effects of "lung overload" 1 and these effects are believed to
	be specific to the species. In addition, the European CLP Regulation states that no
	classification is necessary if the mechanism is not relevant to humans. 4) Also, the CLP
	Guidance on classification and labeling states that the "lung overload" mechanism is not
	relevant to humans. 4) Therefore, no STOT, Repeated Exposure classification is made
Dimethylethanolamine(108-0	
Aspiration hazard	Not available.
Carcinogenicity	Not available.
Irritation/Corrosion	Corrosion Skin, Conclusion/Summary 2-Dimethylaminoethanol No additional information.
	Eyes, 2-Dimethylaminoethanol No additional information. Respiratory: 2- Dimethylaminoethanol No additional information

LC50 Inhalation - Rat -	1641 ppm, Rat - Male, Female, OECD 403
Acute Inhalation Toxicity	> 2 000 ma/ka Dabhit Mala Famala
LD0 Dermal - Rabbit - LD50 Oral - Rat - Acute	>3,000 mg/kg, Rabbit - Male-Female 1182.7 mg/kg, Rat - Male, Female, OECD 401
Oral Toxicity	1182.7 mg/kg, kat - Male, Female, OECD 401
Mutagenicity	In vitro Subject: Bacteria Metabolic activation: +/- Negative Experiment: In vitro Subject:
	Mammalian-Animal Metabolic activation: +/- Negative Experiment: In vitro Subject:
	Mammalian-Animal Metabolic activation: +/- Negative Experiment: In vitro Subject:
	bacteria/yeast Metabolic activation: +/- Negative Experiment: In vivo Subject: Mammalian-
	Animal Negative Experiment: In vivo Subject: Mammalian-Animal Negative
Potential acute health	Eye contact Not available. Toxic if inhaled. May cause respiratory irritation. Exposure to
effects	decomposition products may cause a health hazard. Serious effects may be delayed
	following exposure. : Harmful if swallowed. May cause burns to mouth, throat and stomach.
Depreductive Texicity	: Causes severe burns. Not available.
Reproductive Toxicity Sensitization	EPA OPPTS skin Guinea pig Not sensitizing.
Specific target organ	Not available.
toxicity (repeated	
exposure)	
Specific target organ	Category 3 Not applicable. Respiratory tract irritation.
toxicity (single exposure)	
Teratogenicity	OECD 414 Prenatal Developmental Toxicity Study Rat - Male, Female Negative - Inhalation
Dipropylene Glycol(25265-7	
Aspiration hazard	Based on physico-chemical values or lack of human evidence, not classified.
Carcinogenicity	Not classified No adverse effect observed.
Germ cell mutagenicity	Not classified No adverse effect observed.
LC50 - Rat - Acute	> 2.34 mg/l Exposure time: 4 h Species: Rat
Inhalation Toxicity	
LD50 - Rabbit - Acute	> 5,000 mg/kg Species: Rabbit
Dermal toxicity LD50 Oral - Rat - Acute	> 5,000 mg/kg Species: Rat
Oral Toxicity	> 5,000 mg/kg species. Kat
Reproductive toxicity	Effects on fertility / Effects on or via lactation: Not classified Male rats and female mice
Reproductive toxicity	ingesting multi-gram quantities of Dipropylene glycol for 90-days exhibited changes in testis
	and estrous cycle that appeared secondary to clinical- and systemic toxicity, debilitation and
	death. Data available on related homologues suggest it is unlikely to affect fertility or
	reproduction at lower exposures that do not cause morbidity or mortality. Effects on
	Development : Not classified No adverse effect observed.
Respiratory or skin	No data available. Skin sensitization Not classified No adverse effect observed.
sensitization	Deerd op oor indertige oplage wet deerd fied
Serious eye damage/eye irritation	Based on eye irritation values, not classified.
Skin corrosion/irritation	Based on skin irritation values, not classified. May cause slight transient skin irritation.
Target Organ Systemic	Based on repeated exposure toxicity values, not classified.
Target Organ Systemic	Based on single exposure toxicity values, not classified.
Toxicant - Single exposure	
Ethylene glycol mono butyl e	ther(111-76-2)
Aspiration toxicity	Remarks: No data available.
Carcinogenicity	Species mouse, Application Route: Inhalation, Exposure time 2 yr, Activity duration: 6 h,
	Frequency of Treatment: 5 days/week, NAOEL: 125 ppm Result: Limited evidence of
	carcinogenic effects with no relevance to humans., Carcinogenicity-Assement: Not evidence
Further information	of carcinogenicity in animal studies
rurther information	Product Remarks: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.,
Germ cell mutagenicity	Genotoxicity in vitro: Test Type: Mammalian cell gene mutation assay; Test species:
	Chinese hamster (CHO), Metabolic activation: with and without metabolic activation. Result:
	negative., Genotoxicity in vivo: Test Type: In vivo micronucleus test., Test species:: mouse
	(male), application Route: Intraperitoneal, Result: negative., Germ cell mutagenicity
	Assessment: Tests on bacterial or mammalian did not show mutagenic effects.
LC50 (rat) inhalation	Acute inhalation toxicity: 500 ppm, Exposure time: 4 h; Assessment: the
	component/mixture is moderately toxic after short term inhalation.
LC50 (rat) Oral	Acute toxicity estimate: 500 mg/kg; Method: Expert judgment.; Assessment: the
	component/mixture is moderately toxic after single ingestion.
LD50 (rat) dermal	Acute toxicity estimate: 1,1000 mg/kg; Method: Expert judgment; Assessment: the
Depertor dependent	component/mixture is moderately toxic after single contact with skin.
Repeated dose toxicity	Species: rat NOAEL: 30, Application Route: Inhalation Exposure time: 14 wk Number of
Reproductive toxicity	exposures: 6 h/d, 5 d/wk. Effects on fertility : Test Type: Two-generation study Species: mouse Application Route:
	oral Fertility: NOAEL: 720 mg/kg body weight Symptoms: Reduced fertility Result: Reduced
	Toran erancy, nonce, 720 mg/kg body weight Symptoms, Reduced fertility Result, Reduced

	fertility at maternally toxic doses Effects on fetal development : Test Type: Embryo-fetal development Species: rat Application Route: Inhalation Duration of Single Treatment: 10 d Frequency of Treatment: 6 hr/day Developmental Toxicity: Lowest observed adverse effect level: 100 ppm Result: Developmental toxicity occurred at maternal toxicity dose levels Reproductive toxicity - Assessment : No evidence of adverse effects on sexual function and
Respiratory or skin	fertility, and on development, based on animal experiments Test Type: Maximization test, Species guinea pig, Result: Did not cause sensitization on
sensitsation Serious eye damage/ eye	laboratory animals. Species rabbit, Exposure time 24 h, Result: Irritating to eyes.
irritation Skin corrosion/irritation	Remarks: Moderate skin irritation in susceptible persons., Species rabbit, Exposure time 24
STOT - repeated exposure	h, Result: Mild skin irritation No data available.
STOT - single exposure	No data available.
Ethylene Glycol(107-21-1)	
Aspiration hazard	No aspiration toxicity classification.
Carcinogenicity	Species: mouse, (male, female), Application Route: Oral, Exposure time: 24 months, Dose: 0, 40, 200, 1000 mg/kg, daily, LOAEL: 1,000 mg/kg, Result: Ambiguous., Carcinogenicity - Assessment: Not classified as a human carcinogen.
Further information	Remarks: No data available.
Germ cell mutagenicity	Test Type: Ames test, Metabolic activation: with and without activation, Method OECD Test Guideline 471, Result: negative, GLP: yes.
LC50 Inhalation Toxicity -	>2.5 mg/l, Exposure time: 6 h, Test atmosphere: dust/mist. Assessment: The substance or
(Rat) LD50 Dermal Toxicity	mixture has no acute inhalation toxicity. >3,500 mg/kg, Assessment: The substance or mixture has no acute dermal toxicity.
(Mouse)	
LD50 Oral - Rat Acute toxicity	2,000 mg/kg, Assement: This component/mixture is moderately toxic after single ingestion.
Reproductive toxicity Respiratory or skin	Results: No reproductive effects. Test Type: Maximization Test (GPMT), Species: guinea pig, Result: Did not cause
sensitsation	sensitisation on laboratory animals.
Serious eye damage/eye irritation	Species: rabbit, Result: No eye irritation, Exposure time 24 h, Method: In vivo.
Skin corrosion/irritation	Skin - Rabbit Result, Exposure time: 20 h, Method: In vivo, Result: No skin irritation.
Specific target organ toxicity - repeated	Oral - May cause damage to organs through prolonged or repeated exposure Kidney
exposure Specific target organ toxicity - single exposure	No data available.
Formaldehyde(50-00-0)	
Genotoxicity	Formaldehyde was found to be weakly mutagenic in a number of in vitro genotoxicity tests and positive in certain in vivo screening tests for mutagenicity. Formaldehyde did not cause birth defects in rats inhaling concentrations up to 10 ppm. However, a study using higher levels did show a slight but statistically significant reduction in male fetal body weight.
LD50 Dermal - Rabbit	270 mg/kg
LD50 Inhalation - Rat	0.31-0.59 mg/l (4 h) (Dust/ Mist)
LD50 Oral - Rat - Acute toxicity	100 mg/kg, Rat
Other Information	Lifetime inhalation of formaldehyde vapor at concentrations above 5 ppm for 6 hours per day, caused nasal tumors in laboratory animals. The International Agency for Research on Cancer (IARC) has classified formaldehyde as a Group 1 (known) human carcinogen based on epidemiological evidence linking formaldehyde exposure to the occurrence of nasopharyngeal cancer, a rare type of cancer. IARC also found limited evidence of cancer of the nasal cavity and paranasal sinuses and insufficient evidence for an association between formaldehyde and leukemia. Inhalation caused liver and kidney damage in laboratory animal tests.
Sensitization	Formaldehyde has been reported to cause pulmonary hypersensitivity in some individuals who were exposed to conceratrations know to cause irritation, however, no pulmonary sensitization has been demonstrated in laboratory animal studies.
Skin/Eye irritation	Can cause severe eye and moderate skin irritation.
Specific Target Organ Toxicity - Repeated exposure	Repeated skin exposure to solutions of 2% or more formaldehyde has caused skin allergic reactions.
Specific Target Organ	No data.
Toxicity - Single	
Isobutyl Alcohol(78-83-1) Carcinogenicity Data:	The ingredient(s) of this product is (are) not classified as carcinogenic by ACGIH, IARC, OSHA or NTP.

LD50 Dermal - Rabbit	3400 mg/kg
LD50 Oral - Rat (Acute	2460 mg/kg
Toxicity)	
Mutagenicity Data:	No adverse mutagenicity effects are anticipated.
Reproductive Data:	No adverse reproductive effects are anticipated.
Respiratory / Skin	None known.
Sensitization Data:	
Synergistic Materials:	Alcohols may interact synergistically with chlorinated solvents (example - carbon tetrachloride, chloroform, bromotrichloromethane), dithiocarbamates (example - disulfiram), dimethylnitrosamine and thioacetamide.
Tetragenicity Data:	No adverse Tetragenicity effects are anticipated.
Magnesite(546-93-0)	
Information regarding	No data available.
toxicological effects	
Methyl Alcohol(67-56-1)	
Additional Information	RTECS: PC1400000 Methyl alcohol may be fatal or cause blindness if swallowed. Effects due to ingestion may include:, Headache, Dizziness, Drowsiness, metabolic acidosis, Coma, Seizures. Symptoms may be delayed., Damage of the:, Liver, Kidney Central nervous system - Breathing difficulties - Based on Human Evidence Stomach - Irregularities - Based on Human Evidence.
Aspiration hazard	No aspiration toxicity classification
Carcinogenicity	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. Reproductive toxicity Damage to fetus not classifiable Fertility classification not possible from current data. Specific target organ toxicity - single exposure Causes damage to organs.
Germ cell mutagenicity	Ames test S. typhimurium Result: negative in vitro assay fibroblast Result: negative Mutation in mammalian somatic cells. Mutagenicity (in vivo mammalian bone-marrow cytogenetic test, chromosomal analysis) Mouse - male and female Result: negative.
LC50 Inhalation - Rat	5 mg/l
LD50 Dermal - Rabbit	300 mg/kg
LD50 Oral - Rat Acute	100 mg/kg
Toxicity	
Reproductive toxicity	Damage to fetus not classifiable Fertility classification not possible from current data.
Respiratory or skin	Maximization Test (GPMT) - Guinea pig Does not cause skin sensitization. (OECD Test
sensitization	Guideline 406)
Serious eye damage/eye irritation	Eyes - Rabbit Result: No eye irritation
Skin corrosion/irritation	Skin - Rabbit Result: No skin irritation
Specific target organ toxicity - repeated exposure	The substance or mixture is not classified as specific target organ toxicant, repeated exposure.
Specific target organ toxicity - single exposure	Causes damage to organs.
Propyl Alcohol(71-23-8)	
Additional Information	RTECS: UH8225000 Central nervous system depression, prolonged or repeated exposure can cause:, narcosis, Skin irritation Stomach - Irregularities - Based on Human Evidence Stomach - Irregularities - Based on Human Evidence.
Aspiration hazard	No data available.
Carcinogenicity	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a Carcinogen or potential carcinogen by OSHA.
Germ cell mutagenicity	No data available.
LC50 Dermal - Rabbit	4,000 mg/kg, Rabbit, (OECD Test Guideline 402)
LC50 Inhalation - Rat	20,000 ppm, Rat (1 h)
LD50 Oral -Rat - Acute Toxicity	8,038 mg/m3, (OECD Test Guideline 401)
Reproductive toxicity	No data available.
Respiratory or skin sensitization	Maximization Test (GPMT) - Guinea pig Result: Did not cause sensitization on laboratory animals.
Serious eye damage/eye irritation	Eyes - Rabbit Result: Severe eye irritation (OECD Test Guideline 405)

Skin corrosion/irritation	Skin - Rabbit Result: No skin irritation (OECD Test Guideline 404)
Specific target organ	No data available.
toxicity - repeated	
exposure	
Specific target organ	May cause drowsiness or dizziness.
toxicity - single exposure	-,
Pyridine(110-86-1)	
Additional Information	RTECS: UR8400000 burning sensation, Cough, wheezing, laryngitis, Shortness of breath,
	Headache, Nausea, Vomiting, Dizziness, tachycardia, nervousness, insomnia, Skin disorders,
	loss of appetite To the best of our knowledge, the chemical, physical, and toxicological
	properties have not been thoroughly investigated. Bone marrow -
Aspiration hazard	No data available. IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Pyridine) NTP: No
Carcinogenicity	component of this product present at levels greater than or equal to 0.1% is identified as a
	known or anticipated carcinogen by NTP. OSHA: No component of this product present at
	levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by
	OSHA.
Germ cell mutagenicity	No data available.
LC50 Inhalation - Rat	28,500 mg/m3, (1 h), Remarks: Sense Organs and Special Senses (Nose, Eye, Ear, and
	Taste):Eye:Lacrimation. Behavioral: Somnolence (general depressed activity). Lungs,
	Thorax, or Respiration: Dyspnea.
LD50 Dermal - Rabbit	1,121 mg/kg, Remarks: Behavioral: Ataxia. Gastrointestinal: Changes in structure or
	function of salivary glands. Liver: Other changes.
LD50 Oral - Rat - Acute Toxicity	891 mg/kg, Remarks: Sense Organs and Special Senses (Nose, Eye, Ear, and Taste):Eye:Ptosis. Behavioral: Somnolence (general depressed activity). Behavioral: Coma.
Reproductive toxicity	No data available.
Respiratory or skin	No data available.
sensitization	
Serious eye damage/eye	No data available.
irritation	
Skin corrosion/irritation	Skin - Rabbit Result: Mild skin irritation - 24 h (Draize Test)
Specific target organ	No data available.
toxicity - repeated	
exposure	
Specific target organ	No data available.
toxicity - single exposure TALC(14807-96-6)	
Acute toxicity - Dermal	No data available.
Acute toxicity - Inhalation	No data available.
Additional Information	RTECS: WW2710000 Prolonged inhalation of crystalline silica may result in silicosis, a
	disabling pulmonary fibrosis characterized by fibrotic changes and miliary nodules in the
	lungs, a dry cough, shortness of breath, emphysema, decreased chest expansion, and
	increased susceptibility to tuberculosis. In advanced stages, loss of appetite, pleuritic pain,
	and total incapacity to work. Advanced silicosis may result in death due to cardiac failure or
	destruction of lung tissue. Crystalline silica is classified as group 1 "known to be
	destruction of lung tissue. Crystalline silica is classified as group 1 "known to be carcinogenic to humans" by IARC and "sufficient evidence" of carcinogenicity by the NTP. To
	destruction of lung tissue. Crystalline silica is classified as group 1 "known to be carcinogenic to humans" by IARC and "sufficient evidence" of carcinogenicity by the NTP. To the best of our knowledge, the chemical, physical, and toxicological properties have not
	destruction of lung tissue. Crystalline silica is classified as group 1 "known to be carcinogenic to humans" by IARC and "sufficient evidence" of carcinogenicity by the NTP. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Stomach - Irregularities - Based on Human Evidence Liver -
	destruction of lung tissue. Crystalline silica is classified as group 1 "known to be carcinogenic to humans" by IARC and "sufficient evidence" of carcinogenicity by the NTP. To the best of our knowledge, the chemical, physical, and toxicological properties have not
Aspiration hazard	 destruction of lung tissue. Crystalline silica is classified as group 1 "known to be carcinogenic to humans" by IARC and "sufficient evidence" of carcinogenicity by the NTP. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Stomach - Irregularities - Based on Human Evidence Liver - Irregularities - Based on Human Evidence Stomach - Irregularities - Based on Human Evidence Liver - No data available.
Aspiration hazard Carcinogenicity	 destruction of lung tissue. Crystalline silica is classified as group 1 "known to be carcinogenic to humans" by IARC and "sufficient evidence" of carcinogenicity by the NTP. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Stomach - Irregularities - Based on Human Evidence Liver - Irregularities - Based on Human Evidence Stomach - Irregularities - Based on Human Evidence Liver - Irregularities - Based on Human Evidence (Quartz). No data available. Carcinogenicity - Rat - Inhalation Tumorigenic:Equivocal tumorigenic agent by RTECS
	 destruction of lung tissue. Crystalline silica is classified as group 1 "known to be carcinogenic to humans" by IARC and "sufficient evidence" of carcinogenicity by the NTP. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Stomach - Irregularities - Based on Human Evidence Liver - Irregularities - Based on Human Evidence Stomach - Irregularities - Based on Human Evidence Liver - Irregularities - Based on Human Evidence (Quartz). No data available. Carcinogenicity - Rat - Inhalation Tumorigenic:Equivocal tumorigenic agent by RTECS criteria. Lungs, Thorax, or Respiration:Tumors. IARC: 1 - Group 1: Carcinogenic to humans
	 destruction of lung tissue. Crystalline silica is classified as group 1 "known to be carcinogenic to humans" by IARC and "sufficient evidence" of carcinogenicity by the NTP. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Stomach - Irregularities - Based on Human Evidence Liver - Irregularities - Based on Human Evidence Stomach - Irregularities - Based on Human Evidence Liver - Irregularities - Based on Human Evidence (Quartz). No data available. Carcinogenicity - Rat - Inhalation Tumorigenic:Equivocal tumorigenic agent by RTECS criteria. Lungs, Thorax, or Respiration:Tumors. IARC: 1 - Group 1: Carcinogenic to humans (Quartz) IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Hydrous)
	 destruction of lung tissue. Crystalline silica is classified as group 1 "known to be carcinogenic to humans" by IARC and "sufficient evidence" of carcinogenicity by the NTP. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Stomach - Irregularities - Based on Human Evidence Liver - Irregularities - Based on Human Evidence Stomach - Irregularities - Based on Human Evidence Liver - Irregularities - Based on Human Evidence (Quartz). No data available. Carcinogenicity - Rat - Inhalation Tumorigenic:Equivocal tumorigenic agent by RTECS criteria. Lungs, Thorax, or Respiration:Tumors. IARC: 1 - Group 1: Carcinogenic to humans (Quartz) IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Hydrous magnesium silicate) 3 - Group 3: Not classifiable as to its carcinogenicity to humans
	 destruction of lung tissue. Crystalline silica is classified as group 1 "known to be carcinogenic to humans" by IARC and "sufficient evidence" of carcinogenicity by the NTP. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Stomach - Irregularities - Based on Human Evidence Liver - Irregularities - Based on Human Evidence Stomach - Irregularities - Based on Human Evidence Liver - Irregularities - Based on Human Evidence Quartz). No data available. Carcinogenicity - Rat - Inhalation Tumorigenic:Equivocal tumorigenic agent by RTECS criteria. Lungs, Thorax, or Respiration:Tumors. IARC: 1 - Group 1: Carcinogenic to humans (Quartz) IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Hydrous magnesium silicate) 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Hydrous magnesium silicate) NTP: Known to be human carcinogen (Quartz) OSHA: No
	 destruction of lung tissue. Crystalline silica is classified as group 1 "known to be carcinogenic to humans" by IARC and "sufficient evidence" of carcinogenicity by the NTP. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Stomach - Irregularities - Based on Human Evidence Liver - Irregularities - Based on Human Evidence Stomach - Irregularities - Based on Human Evidence Liver - Irregularities - Based on Human Evidence (Quartz). No data available. Carcinogenicity - Rat - Inhalation Tumorigenic:Equivocal tumorigenic agent by RTECS criteria. Lungs, Thorax, or Respiration:Tumors. IARC: 1 - Group 1: Carcinogenic to humans (Quartz) IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Hydrous magnesium silicate) 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Hydrous magnesium silicate) NTP: Known to be human carcinogen (Quartz) OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a
Carcinogenicity	 destruction of lung tissue. Crystalline silica is classified as group 1 "known to be carcinogenic to humans" by IARC and "sufficient evidence" of carcinogenicity by the NTP. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Stomach - Irregularities - Based on Human Evidence Liver - Irregularities - Based on Human Evidence Stomach - Irregularities - Based on Human Evidence Liver - Irregularities - Based on Human Evidence Quartz). No data available. Carcinogenicity - Rat - Inhalation Tumorigenic:Equivocal tumorigenic agent by RTECS criteria. Lungs, Thorax, or Respiration:Tumors. IARC: 1 - Group 1: Carcinogenic to humans (Quartz) IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Hydrous magnesium silicate) 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Hydrous magnesium silicate) NTP: Known to be human carcinogen (Quartz) OSHA: No
	 destruction of lung tissue. Crystalline silica is classified as group 1 "known to be carcinogenic to humans" by IARC and "sufficient evidence" of carcinogenicity by the NTP. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Stomach - Irregularities - Based on Human Evidence Liver - Irregularities - Based on Human Evidence Stomach - Irregularities - Based on Human Evidence Liver - Irregularities - Based on Human Evidence (Quartz). No data available. Carcinogenicity - Rat - Inhalation Tumorigenic:Equivocal tumorigenic agent by RTECS criteria. Lungs, Thorax, or Respiration:Tumors. IARC: 1 - Group 1: Carcinogenic to humans (Quartz) IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Hydrous magnesium silicate) 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Hydrous magnesium silicate) NTP: Known to be human carcinogen (Quartz) OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
Carcinogenicity Germ cell mutagenicity	 destruction of lung tissue. Crystalline silica is classified as group 1 "known to be carcinogenic to humans" by IARC and "sufficient evidence" of carcinogenicity by the NTP. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Stomach - Irregularities - Based on Human Evidence Liver - Irregularities - Based on Human Evidence Stomach - Irregularities - Based on Human Evidence Liver - Irregularities - Based on Human Evidence (Quartz). No data available. Carcinogenicity - Rat - Inhalation Tumorigenic:Equivocal tumorigenic agent by RTECS criteria. Lungs, Thorax, or Respiration:Tumors. IARC: 1 - Group 1: Carcinogenic to humans (Quartz) IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Hydrous magnesium silicate) 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Hydrous magnesium silicate) NTP: Known to be human carcinogen (Quartz) OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
Germ cell mutagenicity Reproductive toxicity Respiratory or skin sensitization	 destruction of lung tissue. Crystalline silica is classified as group 1 "known to be carcinogenic to humans" by IARC and "sufficient evidence" of carcinogenicity by the NTP. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Stomach - Irregularities - Based on Human Evidence Liver - Irregularities - Based on Human Evidence Stomach - Irregularities - Based on Human Evidence Liver - Irregularities - Based on Human Evidence (Quartz). No data available. Carcinogenicity - Rat - Inhalation Tumorigenic:Equivocal tumorigenic agent by RTECS criteria. Lungs, Thorax, or Respiration:Tumors. IARC: 1 - Group 1: Carcinogenic to humans (Quartz) IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Hydrous magnesium silicate) 3 - Group 3: Not classifiable as to its carcinogen (Quartz) OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. No data available.
Germ cell mutagenicity Reproductive toxicity Respiratory or skin sensitization Serious eye damage/eye	 destruction of lung tissue. Crystalline silica is classified as group 1 "known to be carcinogenic to humans" by IARC and "sufficient evidence" of carcinogenicity by the NTP. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Stomach - Irregularities - Based on Human Evidence Liver - Irregularities - Based on Human Evidence Stomach - Irregularities - Based on Human Evidence Liver - Irregularities - Based on Human Evidence (Quartz). No data available. Carcinogenicity - Rat - Inhalation Tumorigenic:Equivocal tumorigenic agent by RTECS criteria. Lungs, Thorax, or Respiration:Tumors. IARC: 1 - Group 1: Carcinogenic to humans (Quartz) IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Hydrous magnesium silicate) 3 - Group 3: Not classifiable as to its carcinogen (Quartz) OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. No data available. No data available.
Carcinogenicity Germ cell mutagenicity Reproductive toxicity Respiratory or skin sensitization Serious eye damage/eye irritation	 destruction of lung tissue. Crystalline silica is classified as group 1 "known to be carcinogenic to humans" by IARC and "sufficient evidence" of carcinogenicity by the NTP. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Stomach - Irregularities - Based on Human Evidence Liver - Irregularities - Based on Human Evidence Stomach - Irregularities - Based on Human Evidence Liver - Irregularities - Based on Human Evidence (Quartz). No data available. Carcinogenicity - Rat - Inhalation Tumorigenic:Equivocal tumorigenic agent by RTECS criteria. Lungs, Thorax, or Respiration:Tumors. IARC: 1 - Group 1: Carcinogenic to humans (Quartz) IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Hydrous magnesium silicate) 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Hydrous magnesium silicate) NTP: Known to be human carcinogen (Quartz) OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. No data available. No data available. No data available. No data available.
Carcinogenicity Germ cell mutagenicity Reproductive toxicity Respiratory or skin sensitization Serious eye damage/eye irritation Skin corrosion/irritation	 destruction of lung tissue. Crystalline silica is classified as group 1 "known to be carcinogenic to humans" by IARC and "sufficient evidence" of carcinogenicity by the NTP. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Stomach - Irregularities - Based on Human Evidence Liver - Irregularities - Based on Human Evidence Stomach - Irregularities - Based on Human Evidence Liver - Irregularities - Based on Human Evidence (Quartz). No data available. Carcinogenicity - Rat - Inhalation Tumorigenic:Equivocal tumorigenic agent by RTECS criteria. Lungs, Thorax, or Respiration:Tumors. IARC: 1 - Group 1: Carcinogenic to humans (Quartz) IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Hydrous magnesium silicate) 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Hydrous magnesium silicate) NTP: Known to be human carcinogen (Quartz) OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. No data available. No data available. No data available. Skin - Human Result: Mild skin irritation - 3 h
Carcinogenicity Germ cell mutagenicity Reproductive toxicity Respiratory or skin sensitization Serious eye damage/eye irritation Skin corrosion/irritation Specific target organ	 destruction of lung tissue. Crystalline silica is classified as group 1 "known to be carcinogenic to humans" by IARC and "sufficient evidence" of carcinogenicity by the NTP. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Stomach - Irregularities - Based on Human Evidence Liver - Irregularities - Based on Human Evidence Stomach - Irregularities - Based on Human Evidence Liver - Irregularities - Based on Human Evidence (Quartz). No data available. Carcinogenicity - Rat - Inhalation Tumorigenic:Equivocal tumorigenic agent by RTECS criteria. Lungs, Thorax, or Respiration:Tumors. IARC: 1 - Group 1: Carcinogenic to humans (Quartz) IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Hydrous magnesium silicate) 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Hydrous magnesium silicate) NTP: Known to be human carcinogen (Quartz) OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. No data available. No data available. No data available. No data available.
Carcinogenicity Germ cell mutagenicity Reproductive toxicity Respiratory or skin sensitization Serious eye damage/eye irritation Skin corrosion/irritation Specific target organ toxicity - repeated	 destruction of lung tissue. Crystalline silica is classified as group 1 "known to be carcinogenic to humans" by IARC and "sufficient evidence" of carcinogenicity by the NTP. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Stomach - Irregularities - Based on Human Evidence Liver - Irregularities - Based on Human Evidence Stomach - Irregularities - Based on Human Evidence Liver - Irregularities - Based on Human Evidence (Quartz). No data available. Carcinogenicity - Rat - Inhalation Tumorigenic:Equivocal tumorigenic agent by RTECS criteria. Lungs, Thorax, or Respiration:Tumors. IARC: 1 - Group 1: Carcinogenic to humans (Quartz) IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Hydrous magnesium silicate) 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Hydrous magnesium silicate) NTP: Known to be human carcinogen (Quartz) OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. No data available. No data available. No data available. Skin - Human Result: Mild skin irritation - 3 h
Carcinogenicity Germ cell mutagenicity Reproductive toxicity Respiratory or skin sensitization Serious eye damage/eye irritation Skin corrosion/irritation Specific target organ toxicity - repeated exposure	destruction of lung tissue. Crystalline silica is classified as group 1 "known to be carcinogenic to humans" by IARC and "sufficient evidence" of carcinogenicity by the NTP. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Stomach - Irregularities - Based on Human Evidence Liver - Irregularities - Based on Human Evidence Stomach - Irregularities - Based on Human Evidence Liver - Irregularities - Based on Human Evidence Stomach - Irregularities - Based on Human Evidence Liver - Irregularities - Based on Human Evidence (Quartz). No data available. Carcinogenicity - Rat - Inhalation Tumorigenic:Equivocal tumorigenic agent by RTECS criteria. Lungs, Thorax, or Respiration:Tumors. IARC: 1 - Group 1: Carcinogenic to humans (Quartz) IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Hydrous magnesium silicate) 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Hydrous magnesium silicate) NTP: Known to be human carcinogen (Quartz) OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. No data available. No data available. No data available. No data available. No data available. No data available.
Carcinogenicity Germ cell mutagenicity Reproductive toxicity Respiratory or skin sensitization Serious eye damage/eye irritation Skin corrosion/irritation Specific target organ toxicity - repeated	 destruction of lung tissue. Crystalline silica is classified as group 1 "known to be carcinogenic to humans" by IARC and "sufficient evidence" of carcinogenicity by the NTP. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Stomach - Irregularities - Based on Human Evidence Liver - Irregularities - Based on Human Evidence Stomach - Irregularities - Based on Human Evidence Liver - Irregularities - Based on Human Evidence (Quartz). No data available. Carcinogenicity - Rat - Inhalation Tumorigenic:Equivocal tumorigenic agent by RTECS criteria. Lungs, Thorax, or Respiration:Tumors. IARC: 1 - Group 1: Carcinogenic to humans (Quartz) IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Hydrous magnesium silicate) 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Hydrous magnesium silicate) NTP: Known to be human carcinogen (Quartz) OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. No data available. No data available. No data available. Skin - Human Result: Mild skin irritation - 3 h

Titanium Dioxide(13463-67-3	7)
Carcinogenicity	In lifetime inhalation studies rats were exposed for 2 years to respectively 10, 50, 250 mg/m3 of respirable Ti02.
Dermal ALD (rabbit)	>10000 mg/m3
Eye irritation	slight irritation
Inhalation 4 h ALC	>6.82 mg/l
ORAL ALD (rat)	>2400 mg/kg
Sensitsation	Did not cause sensitsation on laboratory animals.
Skin irritation	slight irritation

12. ECOLOGICAL INFORMATION

Aliphatic Calvert $(CA742, A7, 0)$			
Aliphatic Solvent(64742-47-8)			
Bioaccumulative potential	No data available. 1.4 mg/l - 48 h, - Daphnia magna (Water flea), (OECD Test Guideline 202)		
EC50 (Daphnia Magna)	1.4 mg/l - 48 n, - Daphnia magna (water fiea), (DECD fest Guideline 202)		
Toxicity to daphnia and			
other aquatic invertebrates			
LC50 (Rainbow trout)	2.9 mg/l - 96 h, Oncorhynchus mykiss (rainbow trout)		
Toxicity to fish			
Mobility in soil	No data available.		
Other adverse effects	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic to aquatic life. No data available.		
Persistence and	No data available.		
degradability			
Results of PBT and vPvB	PBT/vPvB assessment not available as chemical safety assessment not required/not		
assessment	conducted.		
Aluminum Hydroxide(21645-	51-2)		
Bioaccumulative potential	Inert material.		
EC50 - Daphnia - Toxicity	>10,000 mg/l, Daphnia magna (Water flea) (OECD Test Guideline 202)		
to daphnia and other			
aquatic invertebrates			
EC50 - Fish - Toxicity ro	>10,000 mg/l, Fish		
fish			
Mobility in soil	Inert material.		
NOEC - Toxicity to algae	>0.004 mg/l, 72 h, Pseudokirchneriella subcapitata (algae) - (OECD Test Guideline 201)		
Other adverse effects	None known.		
Persistence and	Non-degradable		
degradability			
Amorphous Silica(7631-86-9			
Additional ecological	General notes: Do not allow product to reach ground water, water course or sewage		
information	system.		
Bioaccumulative potential	No further relevant information available.		
EC50 - Algae	>10000 mg/l (Scenedesmus subspicatus) (72 h) (OCED 201) comparable substance		
EC50 - Daphnia magna	>1000 mg/l (Daphnia magna) (24 h) (OCED 202)		
LCO - Zebra fish	10000 mg/l (zebra fish) (96 h) (static) (OCED202)		
Mobility in soil	No further relevant information available.		
Persistence and degrability	The product is chemically and biologically inert. By the insolubility in water there is a separation at every filtration and sedimentation process.		
Carbon Black(1333-86-4)			
Behavior in water	Activated sludge, EC0 (3 h) > 800 mg/L. DEV L3 (TTC test)		
treatment plants			
Bioaccumulation Potential	Potential bioaccumulation is not expected because of the physicochemical properties of the		
	substance		
EC50 (Scenedesmus	> 10,000 mg/L, OECD (Guideline 201)		
subspicatus)			
EC50 Daphnia magna	>5600 mg/l (24 h) OECD (Guideline 202)		
(waterflea)	, , , , , , , , , , , , , , , , , , ,		
Environmental fate	Carbon black is an inert solid, stable and insoluble in water or organic solvents. Its vapour		
	pressure is negligible. Based on these properties it is expected that carbon black will not		
	occur in air or water in relevant amounts. Also potential for distribution via water or air can		
	be dismissed. The deposition in soil or sediments is therefore the most relevant		
	compartment of fate in the environment.		
LC50 Brachydanio reio	>1000 mg/l (96 h) OECD (Guideline 203)		
(zebrafish)			
NOEC 50 (Scenedesmus	> 10,000 mg/L, OECD (Guideline 201)		
subspicatus)	$\sim 10,000$ mg/L, OLCD (Guideline 201)		
Dimethylethanolamine(108-01-0)			
Bioaccumulative potential LogPow -0.53, Potential - low.			

EC50 Algae	66.08 mg/l (72 h), Algae	
EC50 Daphnia	98.37 mg/l, (48 h) Daphnia, Static	
LC50 Fish	146.63 mg/l, (96 h) Fish Static	
Mobility in soil Other ecological	Not available. BOD5, COD, TOC - Not determined.	
information		
Persistence and	Readily	
degradability	i courry	
Dipropylene Glycol(25265-71	-8)	
Bioaccumulative potential	Bioaccumulation: This material is not expected to bioaccumulate. : Bioconcentration factor	
	(BCF): 0.3 - 4.6 (QSAR calculated value)	
Mobility in soil	Surface tension: 71.4 mN/m 1.01g/l at 22 °C Distribution among environmental compartments, Stability in soil no data available, Stability in water no data available Additional advice Environmental fat	
Other adverse effects	Additional ecological information: No additional information available.	
Persistence and	Rapidly degradable. : 64.5 - 93.4 % (After 28 days in a ready biodegradability test)	
degradability	(freshwater) : Partially biodegradable. : 17.3 - 23.6 % (62 - 64 day ready biodegradability	
	test) (seawater)	
Results of PBT and vPvB	Not applicable.	
assessment		
Toxicity to algae	Low toxicity to algae.	
Toxicity to bacteria	Low toxicity to sewage microbes.	
Toxicity to daphnia and	Low acute toxicity to aquatic invertebrates.	
other aquatic invertebrates	Low pouto toxicity to fich Data for class chamical analog	
Toxicity to fish	Low acute toxicity to fish Data for close chemical analog.	
Ethylene glycol mono butyl e Bioaccumulative potential		
EC50 (Algae)	Partition coefficient: n-octanol/water: log Pow: 0.83 911 mg/l End point: Biomass Exposure time: 72 h Test Type: static test Analytical	
	monitoring: yes Method: OECD Test Guideline 201 GLP: no	
EC50 (Daphnia)	1,800 mg/l(48 h; Daphnia magna (Water flea)): Exposure time: 48 h Test Type: static test Method: OECD Test Guideline 202 GLP: no	
LC50 (fish)	1,474 mg/l Pimephales promelas (Fathead minnow))Exposure time: 96 h Test Type: static test, Method: OECD Test Guideline 203 GLP: no	
Mobility in soil	No data available	
Other adverse effects	No data available	
Persistence and	aerobic Inoculum: Activated sludge, domestic, adaption not specified, Result: Readily	
degradability	biodegradable. Biodegradation: 90.4 % Exposure time: 28 d Method: OECD Test Guideline 301B GLP: no	
Product	Regulation: 40CFR Protection of Environment, Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class 1 Substances:	
Ethylene Glycol(107-21-1)		
LC50 Toxicity to daphnia and other aquatic invertebrates	>100 mg/l (Daphnia magna (water flea)), Exposure time 48 h, Test type: static test, Method: OECD Test Guideline 202, GLP: yes.	
LC50 Toxicity to fish	100 mg/l (Pimephales promelas (fathead minnow)): Exposure time: 96 h, Test Type: static test	
Mobility in soil	No data available.	
Other adverse effects	No data available.	
Persistence and	Aerobic, Inoculum: Activated sludge, domestic, adaption not specified, Biodegradation: 90-	
degradability	100%, Exposure time 10 d, GLP: yes, Remarks: Readily biodegradable.	
Results of PBT and vPvB assessment	PBT/vPvB assessment not available	
Toxicity to Algae	>100 mg/l (Pseudokirchneriella subcapitata (Selenastrum capricornutum)), Exposure time 96 h, Test type: static test.	
Toxicity to Bacteria	>10,000 mg/l, Exposure time: 16 h, Test type: Static, Method: DIN 38412.	
Formaldehyde(50-00-0)		
EC50 Daphnia - Toxicity to Water Flea	11.3-18 mg/l (48 h), Daphnia magna	
LC50 Oncorhynchus - Toxicity to fish	100-136 mg/l, (96 h), Oncorhynchus mykiss	
Toxicity to Algae	Not available.	
Isobutyl Alcohol(78-83-1)		
Chronic	No data available.	
Degradability / Persistence; Biological / A biological Degradation	Evaluation: Not readily biodegradable (by OECD criteria).	
EC50 - Aquatic Plants	>100 mg/l (72 h) The product has not been tested. The statement has been derived from properties of the individual components.	
EC50 - Daphnia - Acute	>100 mg/l (48 h) The product has not been tested. The statement has been derived from	
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	properties of the individual components.
LC50 - Fish - Acute	>100 mg/l (96 h) The product has not been tested. The statement has been derived from
	properties of the individual components.
Microorganisms	Toxicity to microorganisms: bacteria EC10 (17 h): >750 mg/l. The product has not been tested. The statement has been derived from properties of the individual components.
Magnesite(546-93-0)	
Ecological toxicity	No data available.
Methyl Alcohol(67-56-1)	
Bioaccumulative potential	Bioaccumulation Cyprinids carpio (Carp) - 72 d at 20 °C - 5 mg/l Bioconcentration factor (BCF): 1.0
EC50 - Daphnia magna -	> 10,000.00 mg/l - 48 h Toxicity to daphnia and other aquatic invertebrates, Daphnia magna (Water flea)
EC50 - Scenedesmus capricornutum - Toxicity to algae	22,000.0 mg/l - 96 h, Scenedesmus capricornutum (fresh water algae)
IC50 Activated sludge - Toxicity to bacteria	>1,000 mg/l, Exposure 3 h, Test type Static, Method OECD Test Guideline 209.
LC50 - Lepomis macrochirus - Toxicity to Fish	15,400.0 mg/l - 96 h, Lepomis macrochirus (Bluegill)
Mobility in soil	Will not adsorb on soil.
Other adverse effects	No data available.
Persistence and degradability	Biodegradability aerobic - Exposure time 5 d Result: 72 % - rapidly biodegradable Biochemical Oxygen Demand (BOD) 600 - 1,120 mg/g Chemical Oxygen Demand (COD) 1,420 mg/g Theoretical oxygen demand 1,500 mg/g
Propyl Alcohol(71-23-8)	
Bioaccumulative potential	The product is miscible in water and readily biodegradable in both water and soil. Accumulation is not expected.
EC50 Daphnia magna - Toxicity to daphnia and	3,642 mg/l, (48 h), Daphnia magna (Water flea), (DIN 38412)
other aquatic invertebrates EC50 Pseudokirchneriella	0.170 mg/l (49 h) Decudekirchnerielle subsenitete (arean algae)
subcapitata - Toxicity to algae	9,170 mg/l, (48 h), Pseudokirchneriella subcapitata (green algae)
LC50 - Pimephales promelas - Toxicity to Fish	4,555 mg/l, (96 h), Pimephales promelas (fathead minnow) - (OECD Test Guideline 203)
Mobility in soil	No data available.
Other adverse effects	No data available.
Persistence and degradability	Biodegradability Result: 75 % - Readily biodegradable Ratio BOD/ThBOD < 2 %
Results of PBT and vPvB assessment	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.
Pyridine(110-86-1)	
Bioaccumulative potential	No data available.
EC50 - Daphnia magna - Toxicity to daphnia and other aquatic invertebrates	1,140 mg/l, (48 h), Daphnia magna (Water flea)
EC50 - SELENASTRUM - Toxicity to Algae	100 - 180 mg/l, (72 h), SELENASTRUM
LC50 - Pimephales promelas - Toxicity to Fish	93.8 mg/l, (96 h), Pimephales promelas (fathead minnow)
Mobility in soil	No data available.
Other adverse effects	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life.
Persistence and degradability	Biodegradability aerobic - Exposure time 28 d Result: 97 % - Readily biodegradable
Results of PBT and vPvB assessment	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.
TALC(14807-96-6)	
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Other adverse effects	No data available.
Persistence and degradability	No data available.
Results of PBT and vPvB assessment	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
Toxicity	No data available.
Titanium Dioxide(13463-67-	
LC50 fish	Fathead minnow 96 h >1000 mg/l

13. DISPOSAL CONSIDERATIONS WASTE TREATMENT METHODS

GENERAL INFORMATION : No data available.

DISPOSAL METHOD: Recycle whenever possible or destroy by liquid incineration in accordance with applicable regulations. Contaminated absorbent should be incinerated or sent to an approved landfill in accordance with Local, State, and Federal Regulations.

14. TRANSPORT INFORMATION

*CHECK WITH YOUR CARRIER FOR ADDITIONAL RESTRICTIONS THAT MAY APPLY.

USDOT GROUND DOT (DEPARTMENT OF TRANSPORTATION) PROPER SHIPPING NAME (DOT) : Not Regulated By D.O.T., 49 CFR HAZARDS CLASS : Not Applicable UN/NA NUMBER : Not Applicable PACKING GROUP : Not Applicable EMERGENCY RESPONSE GUIDE (ERG) : Not Applicable

IATA (AIR) DOT (INTERNATIONAL AIR TRANSPORTATION ASSOCIATION) PROPER SHIPPING NAME : IATA, Dangerous Goods Regulation (DGR) 56th Edition 2015 Not Regulated * HAZARDS CLASS : Not Applicable UN/NA NUMBER : Not Applicable PACKING GROUP : Not Applicable EMERGENCY RESPONSE GUIDE (ERG) : Not Applicable

IMDG (OCEAN) PROPER SHIPPING NAME : IMDG, Not Applicable HAZARDS CLASS : Not Applicable UN/NA NUMBER : Not Applicable PACKING GROUP : Not Applicable EMERGENCY RESPONSE GUIDE (ERG) : Not Applicable

MARINE POLLUTANT : No **SPECIAL PRECAUTIONS :** P403 Store in a well-ventilated place. P235 Keep cool.

15. REGULATORY INFORMATION

US FEDERAL REGULATIONS All ingredients in Section #3 are TSCA (Toxic Substance Control Act) listed.

OSHA HAZARDS : Flammable liquid, Moderate skin irritant, Moderate eye irritant, Carcinogen. **EPCRA - Emergency CERCLA REPORTABLE QUANTITY**

This product contains:	Chemical CAS#
Ethylene glycol mono butyl ether	111-76-2
Carbon Black	1333-86-4
Ethylene Glycol	107-21-1
Isobutyl Alcohol	78-83-1
Formaldehyde	50-00-0

SARA 304 Extremely Hazardous Substances Reportable Quantity : This material does not contain any components with a section 304 EHS RQ.

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT) SARA 311/312 Hazards : Fire Hazard, Acute Health Hazard, Chronic Health Hazard

SARA 313 :

This product contains:	Chemical CAS#
Titanium Dioxide	13463-67-7

Ethylene glycol mono butyl ether	111-76-2
Amorphous Silica	7631-86-9
Dimethylethanolamine	108-01-0
Carbon Black	1333-86-4

CLEAN AIR ACT :

This product contains:	Chemical CAS#
Ethylene Glycol	107-21-1
Methyl Alcohol	67-56-1
Formaldehyde	50-00-0

INTERNATIONAL REGULATIONS

CLASSIFICATION ACCORDING TO REGULATION (EC) No. 1272/2008 (CLP):

Eye Irrit. Cat. 2H319STOT SE Cat. 3H336

NATIONAL REGULATIONS

This product contains:	Chemical CAS#
#Titanium Dioxide	13463-67-7
#Carbon Black	1333-86-4

Indicates a chemical listed by IARC as a possible carcinogen.

STATE REGULATIONS CALIFORNIA PROPOSITION 65

This product contains:	Chemical CAS#	
*Talc	14807-96-6	
+Methyl Alcohol	67-56-1	
*Aliphatic Solvent	64742-47-8	
*Formaldehyde	50-00-0	

*This product contains (a) chemical (s) known to the State of California to cause cancer.

#This product contains (a) chemical (s) known to the State of California to be carcinogenic.

+This product contains (a) chemical (s) known to the State of California to cause birth defects or other reproductive harm.

Massachusetts Right to Know

This product contains	Chemical CAS#
Ethylene glycol mono butyl ether	111-76-2
Talc	14807-96-6
Carbon Black	1333-86-4
Propyl Alcohol	71-23-8
Ethylene Glycol	107-21-1
Isobutyl Alcohol	78-83-1
Methyl Alcohol	67-56-1
Aliphatic Solvent	64742-47-8
Pyridine	110-86-1
Formaldehyde	50-00-0

Pennsylvania Right to Know

This product contains	Chemical CAS#
Water	7732-18-5
Titanium Dioxide	13463-67-7
Ethylene glycol mono butyl ether	111-76-2
Amorphous Silica	7631-86-9
Aluminum Hydroxide	21645-51-2
Talc	14807-96-6
Carbon Black	1333-86-4
Propyl Alcohol	71-23-8
Ethylene Glycol	107-21-1
Isobutyl Alcohol	78-83-1
Methyl Alcohol	67-56-1
Aliphatic Solvent	64742-47-8
Pyridine	110-86-1
Formaldehyde	50-00-0
Magnesite	546-93-0

New Jersey Right to Know	
This product contains	Chemical CAS#
Water	7732-18-5
Titanium Dioxide	13463-67-7
Ethylene glycol mono butyl ether	111-76-2
Amorphous Silica	7631-86-9
Aluminum Hydroxide	21645-51-2
Talc	14807-96-6
Carbon Black	1333-86-4
Propyl Alcohol	71-23-8
Ethylene Glycol	107-21-1
Isobutyl Alcohol	78-83-1
Methyl Alcohol	67-56-1
Aliphatic Solvent	64742-47-8
Pyridine	110-86-1
Formaldehyde	50-00-0
Magnesite	546-93-0

16. OTHER INFORMATION

Other Product Information

% Volatile by Volume: 66.45% Solids by volume: 33.55% Exempt by Volume: 57.47

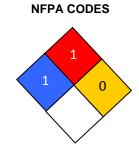
% Volatile by Weight: 51.71 % Solids by Weight: 48.29 % Exempt by Weight: 45.25

VOC CONTENT:

Excluding Exempt VOC: 192 Including Exempt VOC: 82

HMIS RATING

Health :	1
Flammability :	1
Reactivity :	0
Personal Protection :	F



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