SAFETY DATA SHEET



DATE ISSUED : 11/9/2015 SDS REF. No :

7760-GRE15955

7760-GRE15955 GRAY S/G EPOXY PRIMER

PRODUCT AND COMPANY IDENTIFICATION 1.

PRODUCT NAME: 7760-GRE15955 GRAY S/G EPOXY PRIMER

PRODUCT CODE: 7760-GRE15955 **PRODUCT USE:** Industrial Solventborne 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 : DANGER

HAZARD STATEMENTS :

H226 Flammable liquid and vapor. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness.

PRECAUTIONARY STATEMENTS:

P233 Keep container tightly closed.

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
Acetone	30% - 35%	67-64-1
Talc	15% - 20%	14807-96-6

Methyl Amyl Ketone	10% - 15%	110-43-0
Titanium Dioxide	5% - 10%	13463-67-7
n-Butyl Acetate	1% - 5%	123-86-4

4. FIRST AID MEASURES

Description of first aid measures.

EYES CONTACT : Flush with large quantities of water for 15 to 30 minutes. Remove contact lenses. Keep eyes wide open while rising. If eye irritation persists: Get medical attention.

SKIN CONTACT: Wash exposed area with mild soap and water for 15 to 30 minutes. Remove contaminated clothing. Repeated exposure may cause dryness or cracking.

INGESTION : Rinse mouth. Do NOT induce vomiting. Keep victim warm and seek immediate attention.

INHALATION : Remove to fresh air and keep in a position comfortable to breath. Call a doctor/physician if you feel unwell. Get medical attention.

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 : In the event of a fire, use specifically suitable extinguishing agents. Suitable extinguishing media: Foam, alcohol resistant foam, CO2, water fog. Unsuitable extinguishing media: Do not use heavy water stream. A heavy water stream my spread burning liquid.

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

Acetone(67-64-1)		
USA ACGIH	ACGIH STEL TLV	750 ppm
USA ACGIH	ACGIH TWA TLV	500 ppm
USA NIOSH	NIOSH STEL (Table Z-1)	1,000 ppm, 2,400 mg/m3
USA NIOSH	NIOSH TWA	250 ppm, 590 mg/m3
USA OSHA	OSHA TWA (Table Z-1)	1,000 ppm, 2,400 mg,m3
Aluminum Hydroxide(21645-51-2)		
USA ACGIH	ACGIH (TLV) TWA	10 mg/m3 (Total dust), 3 mg/m3 (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
Dibutyltin Dilaurate(77-58-7)		
USA ACGIH	ACGIH STEL	0.2 mg/m3
USA ACGIH	ACGIH TWA	0.1 mg/m3
USA NIOSH	NIOSH REL	0.1 mg/m3
USA OSHA	OSHA PEL (Table Z-1)	0.1 mg/m3
USA OSHA	OSHA TWA (Table Z-1A)	0.1 mg/m3
Methyl Amyl Ketone(110-43-0)		
USA ACGIH	ACGIH TLV TWA	50 ppm
USA OSHA	OSHA PEL (Table Z-1)	100 ppm, 465 mg/m3
n-Butyl Acetate(123-86-4)		
USA ACGIH	ACGIH STEL	200 ppm
USA ACGIH	ACGIH TWA	150 ppm
USA OSHA	OSHA PEL (Table Z-1)	150 ppm, 710 mg/m3
P.M. Acetate(108-65-6)		
USA AIHA	AIAH (WEEL) TWA	50 ppm
TALC(14807-96-6)		
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 Million particles per cubic foot
Titanium Dioxide(13463-67-7)		
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 dust respirator is advised in absence of environmental control. OSHA Regulations also permit other NIOSH dust 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 : Eye wash bottle with pure water. Tightly fitting safety goggles. Where face-shield and protective suit for abnormal processing problems.

SKIN AND BODY PROTECTION : Wear impervious clothing. Choose body protection according to the amount and concentration of the dangerous substance at the work place.

WORK HYGIENIC PRACTICES: When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

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	:	133.0 deg F TO 305.0 deg F
Flash point	:	-4.00 deg F
Lower explosion limit	:	1.1
Upper explosion limit	:	12.8
Vapor pressure	:	185 mm Hg
Vapor density	:	Heavier than air
Relative density	:	No data available.
Density	:	9.1607
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 under normal conditions.

CONDITIONS TO AVOID : Heat, flames and sparks. Extremely high temperatures and direct sunlight.

INCOMPATIBLE MATERIALS : Avoid contact with strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen (NOx), dense black smoke.

11. TOXICOLOGICAL INFORMATION

$\Lambda_{cotome}(C7, C4, 1)$	
Acetone(67-64-1)	
Aspiration toxicity	Remarks: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting., Concentrations substantially above TLV value may cause narcotic effects., Solvents may degrease the skin.
Carcinogenicity	Species: mouse, (female), Application Route: Dermal; Exposure time: .365 d (90%) or 424 d (100%), Dose: 0.1ml 90(71mg) or 100% (79mg), Frequency of Treatment: 3 times a wk, NOAEL: 79; Result: did not display carcinogenic properties., Carcinogenicity-Assessment: Not classified as a human carcinogen.
Germ cell mutagenicity	Test Type: mammalian cell gene mutation assay. Test species: Mouse Lymphoma, Metabolic activation: Without metabolic activation; Method: OECD Guideline 476; Result: negative; Test Type: Ames test, Metabolic activation: Without metabolic activation; Method: OECD Guideline 471; Result: negative, Test Type: Chromosome aberration test in vitro, Test species: Chinese hamster ovary (CHO), Metabolic activation: Without metabolic activation; Method: OECD Guideline 473; Result: negative; Genotoxicity in vivo: Test Type: I vivo micronucleus test. Test species: Mouse, Application Route: Oral, Exposure: 13 wk, Dose: 5,000, 10,000, 20,000 ppm, Result: negative
Germ cell mutagenicity Assessment	Animal testing did not show any mutagenic effects.
LC50 (rat) Inhalation	76 mg/l (4 h exposure)
LD50 (rat) Oral	5,800 mg/kg; Symptoms: tremors
LD50 Dermal	>7,426 mg/kg
Repeated dose exposure	Species: mouse, male, NOAEL: 20,000, Application Route: Oral, Exposure time: 13 wk, Number of exposures: daily, Dose: 1250, 2500, 5000, 10000, 20000, Method OECD Test Guideline 408, GLP: No data available.; Species: mouse, female, NAOEL 20000, LAOEL: 50000; Application Route: Oral, Exposure time: 13 wk, Number of exposures: daily, Dose: 1250, 2500, 5000,

Reproductive toxicity Effects on fertility: Species: rat, male; Application Route: oral; Dose; 0, 5000, 10,000 mu/; i 10,000; Effects on fetal development: Species: rat; Application Route: Inhalation; Dose; 0, 44 2200, 11,000 pm; Frequency of Treatment; 7 days/week; General Toxicity Material: NOAEC: 2,200 pm; Tetragenicity: NOAEC: 2,200 pm; Embryo-fetal toxicity:: NOAEC: 2,200 pm; Result: No teratogenic potential. CP: No data available; Reproductive toxicity Assessment: D not show teratogenic potential. CP: No data available; Reproductive toxicity Assessment: D sensitization. Result: Did not cause sensitization on laboratory animals. Serious eye Species: rabit, Result: Sild not cause sensitization on laboratory animals. Serious eye Species: rabit, Respource time: 24 h, Classification: Intributin to eyes, Remarks: Eye irritation. Stin Species: rabit, Respource time: 24 h, Classification: Not irritating to skin, Method: In vivo, Result: Mil irritation, Remarks: Repeated or prolonged contact with the mixture may cause removal natural far from the skin resulting in desication of the skin. STOT - repared No data available. Auminum Hydroxide(21645-51-2) Additional Information RTECS: BD0940000 Nausea, Vomiting, and Constipation. Aspiration Instand No data available. Carcinogenicity IARC: No components of this product present at levels greater than or equal to 0.1% is identified as a corclongen or potential carcinogen by AGGH. NDP: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by AGGH. NDP: No com		10000, 20000, Method OECD Test Guideline 408, GLP: No data available; Repeated dose toxicity
Frequency of Treatment: 7 days/week; General Toxicity - Parent: LOAEL: Inhalation; Dose: 0, 44 2000; Effects on fetal development: Species: reit, Application Route: Inhalation; Dose: 0, 44 2020; 11,000 ppm; Frequency of Treatment: 7 days/week; General Toxicity Material: NOAEC; 2,200 ppm; Tetragencity: NOAEC; 2,200 ppm; Result: No Acta available; Reproductive toxicity Assessment: D Respiratory or skin Serious eye Test type: Maximization test, Species: guinea pig, Assessment: Does not cause skin Serious eye Species: rabbit, Result: Silpithy irritating to eyes, Exposure time: 24 h, Classification: Irritating to skin, Method: In vivo, Strin Species: rabbit, Exposure time: 24 h, Classification: Not irritating to skin, Method: In vivo, Strin Species: rabbit, Exposure time: 24 h, Classification: Not irritating to skin, Method: In vivo, Strin Respirator No data available. exposure No data available. No data available. exposure No data available. No data available. Additional Information RFECS: BD0940000 Nausea, Vomiting, and Constipation. Additional Information Aspiration hazard No data available. No data available. No data available. Carcinogenicity IARC: No components of this product present at l	Denne durativa taulaitu	Assessment: causes mild skin irritation., Causes serious eye irritation.
10,000; Effects on fetal development: Species: rat; Application Route: Inhalation; Dose: 0, 44 2200,00; 11,000 ppm; Frequency of Treatment: 7 days/week; General Toxicity Material: NOAEC: 2,200 ppm; Respiratory or skin Test type: Maximization test, Species: guina available; Reproductive toxicity Assessment: D Respiratory or skin sensitization Serious eye Species: rabit, Result : Silphity irritating to eyes, Exposure time: 24 h, Classification: Irritating danage/eye irritation. Skin Species: rabit, Result : Silphity irritating to eyes, Exposure time: 24 h, Classification: Irritating to skin, Method: In vivo, Result: Mild irritation, Remarks: Repeated or prolonged contact with the mixture may cause removal natural fat from the skin in resulting in desiccation of the skin. STOT - repeated No data available: Auminum Hydroxide(21645-51-2) Additional Information Additional Information RTECS: ED0940000 Nausea, Vomiting, and Constipation. Aspiration hardman No data available: Carcinogenicity IARC: No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by AGEN. NP: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by CGEN. NP: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by CGEN. NP: No component of this product present at levels greater than or equal to 0	Reproductive toxicity	
2200, 11,000 ppm; Frequency of Treatment: 7 days/week; General Toxicity Material: NOAEC: 2,200 ppm; Terragenicity: NOAEC: 2,200 ppm; Result: No teratogenic protential. GLP: No data available; Reproductive toxicity Assessment: D not show teratogenic effects in animal experiments. Respiratory or skin Test type: Maximization test, Species: guinea pig, Assessment: De not cause skin sensitization. Sensitization Sensitization. Result: Sightly irritating to eyes, Exposure time: 24 h, Classification: Irritatin damage/eye irritation Skin Species: rabbit, Exposure time: 24 h, Classification: Not irritating to six, Method: In vivo, corrosion/irritation Stor - single exposure No data available. STOT - repeated No data available. Stor - single exposure No data available. Additional Information RTECS: BD0940000 Nausea, Vomiting, and Constipation. Additional Information No data available. Carcinogenority No data available. Carcinogenority No data available. Carcinogenority No data available. Carcinogenority or skin </td <td></td> <td>10.000' Effects on fetal development' Species' rat' Application Route' Inhalation' Dose' 0, 440</td>		10.000' Effects on fetal development' Species' rat' Application Route' Inhalation' Dose' 0, 440
2,200 ppm; Tetragenicity: NOAEC: 2,200 ppm; Embryo-fetal toxicity: NOAEC: 2,200 ppm; Respiratory or skin Test type: Nakinization test, Species: guines pig, Assessment: Does not cause skin sensitization. Result: Did not cause sensitization on laboratory animals. Serious eye Species: rubbit, Result : Silphtly irritating to eyes, Exposure time: 24 h, Classification: Irritating to eyes, Reposure to eyes, Reposite to eyes, Reposure to eyes, Reposure to eyes, R		
Result: No teratogenic potential. GLP: No data available.; Reproductive toxicity Assessment: D Respiratory or skin Test type: Maximization test, Species: guinea pig, Assessment: Does not cause skin sensitation sensitation. Serious eye Species: rabbit, Result: Silghtly irritating to eyes, Exposure time: 24 h, Classification: Irritating to eyes, Remarks: Eye irritation. Skin Species: rabbit, Exposure time: 24 h, Classification: Not irritating to six, Method: In vivo, Corrosion/irritation Respuit: Mild intrution, Remarks: Repeated or prolonged contact with the mixture may cause removal natural fat from the skin resulting in desiccation of the skin. STOT - repeated No data available. Additional Information RTECS: BD0940000 Nausea, Vomiting, and Constipation. Additional Information No data available. Carcinogenicity IARC: No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by AGH. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by AGH. NDP: No component of this product present at l		
Respiratory or skin Test type: Maximization test, Species: guinea pig, Assessment: Does not cause skin sensitation Sensitization. Result: Did not cause sensitization. Result: Did not cause sensitization. Serious eye Species: rabbit, Result: Silg intribution. Not cause sensitization. Result: Mid intribution. Skin Species: rabbit, Exposure time: 24 h, Classification: Not Irritating to skin, Method: In vivo, removal natural fat from the skin resulting in desiccation of the skin. STOT - single exposure Exposure routes: Inhalation (vapor); Assessment: May cause drowsiness or dizziness. STOT - repeated No data available. Auminum Hydroxide(21645-51-2) Additional Information Additional Information RTECS: BD0940000 Nausea, Vomiting, and Constipation. Aspiration harad No data available. Carcinogenicity IARC: No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ASRI. NCGIH: 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. Dermal No data available. Germ cell mutagenicity Nouse hymphocyte Result: Negative Mutagenicity (micronucleus test) Rat - male Result: no acarcinogen or potential carcinogen by OSHA. Dermal No data availa		Result: No teratogenic potential. GLP: No data available.; Reproductive toxicity Assessment: Did
sensitization sensitization, Result: Did not cause sensitization on laboratory animals. Serious eve Species: rabibly, Result: Silpity irritating to eyes, Exposure time: 24 h, Classification: Irritating to eyes, Exposure time: 24 h, Classification: Irritating to skin, Method: In vivo, Result: Mild irritation, Remarks: Repeated or prolonged contact with the mixture may cause removal natural fat from the skin resulting in desiccation of the skin. STOT - single exposure Exposure inducts: Inhalation (vapor): Assessment: May cause drowsiness or dizziness. STOT - repeated No data available. Additional Information RECS: BO0940000 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 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 carcinogen or potential carcinogen by OSHA. Dermal No data available. Germ cell mutagenicity Mouse lymphocyte Result - negative Mutagenicity (micronucleus test) Rat - male Result: negati Inhalation No data available. Germ cell mutagenicity No data available. Resportation No data available. Germ cell mutagenicity No data available. Resportatin carcinogen or potenti		not show teratogenic effects in animal experiments.
Serious eye Species: rabbit, Result : Slightly irritating to eyes, Exposure time: 24 h, Classification: Irritating damage/eye irritation Skin Species: rabbit, Exposure time: 24 h, Classification: Not Irritating to eyes, Remarks: Repeated or prolonged contact with the mixture may cause removal natural fat from the skin resulting in desiccation of the skin. STOT - single exposure Exposure routes: Inhalation (vapor); Assessment: May cause drowsiness or dizziness. STOT - single exposure No data available. exposure No data available. exposure No data available. exposure No data available. Carcinogenicity IARC: No components of this product present at levels greater than or equal to 0.1% is identified as a carcinogen by ACRI. NTP: 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. Dermal No data available. Cerm cell mutagenicity. No data available. Germ cell mutagenicity. No data available. Maximization Stin - female Germ cell mutagenicity. No data available. Mo data available. Stin - mable Result: negative Mutagenicity (micronucleus test) Rat - male Result: negative Mutagenicity (micronucleus test) Rat - male Result: negative Mutagenicity (micronucleus test) Rat - male Result: negative Mutagenicity - single		
damage/eye irritation to eyes, Remarks: Eye irritation. Skin Species: rabbit, Exposure time: 24 h, Classification: Not irritating to skin, Method: In vivo, Result: Mild irritation, Remarks: Repeated or prolonged contact with the mixture may cause removal natural fat from the skin resulting in desication of the skin. STOT - single exposure Exposure routes: Inhalation (vapor); Assessment: May cause drowsiness or dizziness. STOT - repeated No data available. Additional Information ARECS: 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 a carcinogen or potential carcinogen by ACGIH. NPT: 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. Dermal No data available. Germ cell mutagenicity No data available. No data available. So(00 mg/kg, Oral - Rat - female female - Acute toxicity Reproductive toxicity No data available. No data available. Skin - Rabbit Result: No eye irritation (OECD Test Guideline 405) damage/eye irritation Skin - Rabbit Result: No eye irritation - 4 h (OECD Test Guideline 404) corrosion/irritation No data available.		
Skin Species: rabbit, Exposure time: 24 h, Classification: Not irritating to skin, Method: In vivo, Result: Mild irritation, Remarks: Repeated or prolonged contact with the mixture may cause removal natural fat from the skin resulting in desiccation of the skin. STOT - repeated exposure No data available. 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. ACGHI: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGHI. NTP: 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. Dermal No data available. Germ cell mutagenicity No data available. Instation No data available. LD50 Oral - Rat - female - Acute toxicity No data available. Respiratory or skin sensitization Skin - Rabbit Result: No eye irritation (OECD Test Guideline 405) Skin - Rabbit Result: No skin irritation or qual to 0.1% is data available. Science qual available. Dermal No data available. No data available. Dispecific target organ toxicity - repeated exposure No data a		
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STOT - repeated exposure No data available. Aluminum Hydroxide(21645-51-2) 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, ACGH+. No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by CGH+. NDP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by ND-SHA: 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. Dermal No data available. Germ cell mutagenicity. Mouse lymphocyte Result- negative Mutagenicity (micronucleus test) Rat - male Result: negati Inhalation Inhalation No data available. Reproductive toxicity No data available. Reproductive toxicity No data available. Respiratory or skin Maximization Test (GPMT) - Guinea pig Result- Does not cause skin sensitization.(OECD Test Guideline 406) Serious eye Eyes - Rabbit Result: No skin irritation (OECD Test Guideline 404) Corrosion/irritation Skin - Rabbit Result: No skin irritation (OECD Test Guideline 404) Specific target organ toxicity - single		
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Irritatant of eyesNot 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/daySensitizationNot sensitizating (guinea pig) (OCED 406)Carbon Black(1333-86-4)		
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 Oral - Sensitization Not sensitizating (guinea pig) (OCED 406) Carbon Black(1333-86-4) -		
LD50 - Dermal - Rabbit>5000 mg/kg (Rabbit)LD50 - Oral - Rat>5000 mg/kg (Rat) (OECD 401)Other information - Oral=> 1340 mg/kg/dayOral=> sensitizationSensitizationNot sensitizating (guinea pig) (OCED 406)Carbon Black(1333-86-4)		
LD50 - Oral - Rat >5000 mg/kg (Rat) (OECD 401) Other information - => 1340 mg/kg/day Oral => sensitization Sensitization Not sensitizating (guinea pig) (OCED 406) Carbon Black(1333-86-4)		
Other information - Oral => 1340 mg/kg/day Sensitization Not sensitizating (guinea pig) (OCED 406) Carbon Black(1333-86-4)		
Oral Oral Sensitization Not sensitizating (guinea pig) (OCED 406) Carbon Black(1333-86-4)		
SensitizationNot sensitizating (guinea pig) (OCED 406)Carbon Black(1333-86-4)		, ···· , ···· , ·· , ··· , ··
		Not sensitizating (guinea pig) (OCED 406)
	ACGIH	ACGIH The American Conference of Governmental Industrial Hygienists classifies carbon black as
A4, Not Classifiable as a Human Carcinogen.	Consistent and the	
Carcinogenicity GHS- Not a hazardous substance or preparation according to the Global Harmonized System		
Classification(GHS).Human EpidemiologyResults of epidemiological studies of carbon black production workers suggest that cumulative		Results of epidemiological studies of carbon black production workers suggest that cumulative
	numan cpidemiology	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		(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 v		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 definitive conclusions about symptoms.
Human Epidemiology - cont	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 - cont.	Morfeld and McCunney 19) applied a Bayesian approach to unravel the role of uncontrolled 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) .l
IARC LD50 (Rat)	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). >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 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),
Reproductive and Teratogenic Effects	the U.S. Occupational Safety and Health Administration (OSHA) or the European Union (EU). No experimental studies on effects of carbon black on fertility and reproduction have been 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 foetus under in vivo conditions. Therefore, no adverse effects of carbon black to fertility/reproduction or to foetal 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 STOT- single exposure	Therefore, no STOT, Repeated exposure classification is made. Inhalation studies with the rat showed lung effects (see Section 11.2 and 11.3), these effects
STOT- Single exposure	I minalation 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
Dibutyltin Dilaurate(77-5	
Chronic Health Hazard	Dibutyltin compounds have shown reproductive and immunotoxic effects in laboratory animals. Abnormalities noted at necropsy of animals treated with 2000 mg/kg of dibutyltin dilaurate were hemorrhagic lungs, dark liver, dark kidneys, hemorrhage of gastric mucosa, hemorrhage of the large and small intestines, enlarged bile duct and behavioral and central nervous system effects. Decreased fertility was seen in hens following dietary administration equal to 78 mg/kg.
Eye irritation/corrosion	Severe eye irritation.
Inhalation	No data is available on the product itself.
LD50 - Rabbit (Dermal)	> 2,000 mg/kg, Method : Estimated.
LD50 - Rat (Ingestion)	> 2,000 mg/kg
Skin	Severe skin irritation. Corrosive to the skin of a rabbit.
irritation/corrosion	
Magnesite(546-93-0)	
Information regarding	No data available.
toxicological effects	
Methyl Amyl Ketone(110	
Aspiration hazard	May be harmful if swallowed and enters airways.
Carcinogenicity	No data available.
LD50 Dermal - (Rat)	>2,000 mg/kg
LD50 Inhalation - (Rat)	>16.7 mg/l (4 h)
LD-50 Oral - (Rat)	1,600 mg/kg
Mutagenicity	In vitro, No data available., In vivo, No data available.
Other adverse effects	No data available.
Repeated dose toxicity	No data available.
Reproductive toxicity	No data available.
Respiratory or skin sensitization	Skin Sensitization:, (Mouse) - non-sensitizing.
Serious eye damage/eye irritation	(Rabbit, 24 h): slight.
Skin corrosion/irritation	(Rabbit, 24 h): moderate.
Specific target organ toxicity - repeated exposure	No data available.
Specific target organ toxicity - single	No data available.
exposure	
n-Butyl Acetate(123-86-	
Aspiration hazard	No data available.
Carcinogenicity	No data available.
Inhalation	No data available.
LD-50 Dermal -	> 16ml/kg
(Rabbit) LD-50 Oral - (Rat)	14,130 mg/kg
Mutagenicity	In vitro: No data available. In vivo: No data available.
Other adverse effects:	No data available. In vivo: No data available.
Repeated dose toxicity	No data available.
Reproductive toxicity	No data available.
Respiratory or skin sensitization	Skin Sensitization:, (Guinea Pig) - non-sensitizing.
Serious eye damage/eye irritation	(Rabbit, 24 h): none
Skin corrosion/irritation	(Rabbit, 24 h): none
Specific target organ toxicity - repeated exposure	No data available.
Specific target organ toxicity - single	Narcotic effect.
exposure	
P.M. Acetate(108-65-6) Aspiration hazard	No data available.
Carcinogenicity	No data available.
LC50 - Inhalation Rat	
	>4345 ppm (Rat, 6 h)

LD50 - Dermal - Rabbit	> 5000 mg/kg
LD50 - Dermai - Rabbit LD50 - Oral - Rat	>5000 mg/kg 6,190 mg/kg
Mutagenicity	In vitro: No data available. In vivo: No data available.
Other adverse effects	No data available.
Repeated dose toxicity	No data available.
Reproductive toxicity.	No data available.
Respiratory or skin	Skin Sensitization:, (Guinea Pig) - non-sensitizing
sensitization	Skill Sensitization, (Guinea Fig) non sensitizing
Serious eye	(Rabbit): very slight
damage/eye irritation	(Rabbit). Very sight
Skin	Specified substance(s) 2-methoxy-1-methylethyl acetate (Rabbit, 4 h): none (Rabbit, 24 h):
corrosion/irritation	none.
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 -	No data available.
Inhalation	
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 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
Aspiration hazard	No data available.
Carcinogenicity	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	No data available.
Reproductive toxicity	No data available.
Respiratory or skin	No data available.
sensitization	
Serious eye	No data available.
damage/eye irritation	
Skin	Skin - Human Result: Mild skin irritation - 3 h
corrosion/irritation	
Specific target organ toxicity - repeated exposure	No data available.
Specific target organ toxicity - single exposure	No data available.
Titanium Dioxide(13463-	-67-7)
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

Acetone(67-64-1)

Bioacculative potential	Parition coefficient: n-octanol/water: log Pow: -0.24
EC50 (Daphnia magna	7,630 mg/l (Exposure time 48 h); Test substance: Acetone
(Water flea))	
LC50 (Oncorhynchus mykiss (rainbow trout))	6,100 mg/l (Exposure time: 48 h)
Mobility in soil	No data available.
Other adverse effects	No data Available. Regulation: 40 CFR Protection of Environment; Part 82 Protection of
	Stratospheric Ozone - CAA Section 602 Class I Substances., Additional ecological information: No data available.
Persistence and degrability	Biodegrability: Remarks: No data available
Toxicity to algae	Remarks: No data available
Aluminum Hydroxide(21	645-51-2)
Bioaccumulative potential	Inert material.
EC50 - Daphnia -	>10,000 mg/l, Daphnia magna (Water flea) (OECD Test Guideline 202)
Toxicity to daphnia and	
other aquatic	
invertebrates	
EC50 - Fish - Toxicity ro fish	>10,000 mg/l, 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(7631-8	
Additional ecological information	General notes: Do not allow product to reach ground water, water course or sewage 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) (OCED203)
Mobility in soil	No further relevant information available.
Persistence and	The product is chemically and biologically inert. By the insolubility in water there is a separation
degrability	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	Detential bioaccumulation is not expected because of the physicachemical properties of the
Potential	Potential bioaccumulation is not expected because of the physicochemical properties of the substance
EC50 (Scenedesmus subspicatus)	> 10,000 mg/L, OECD (Guideline 201)
EC50 Daphnia magna (waterflea)	>5600 mg/l (24 h) OECD (Guideline 202)
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 (zebrafish)	>1000 mg/l (96 h) OECD (Guideline 203)
NOEC 50 (Scenedesmus	> 10,000 mg/L, OECD (Guideline 201)
subspicatus)	
Dibutyltin Dilaurate(77-5	
Aquatic toxicity	No data is available on the product itself.
Bioaccumulation	No data is available on the product itself.
EC50 - Daphnia	2.28 mg/l, Species : Daphnia magna.
LC50 - Fish	2 mg/l, Species : Fish.
Mobility	No data available.
Persistence and degradability	Biodegradability : No data is available on the product itself.
Toxicity to other organisms	No data available.
Magnesite(546-93-0)	

Ecological toxicity	No data available.
Methyl Amyl Ketone(110	-43-0)
Aquatic invertebrates	No data available.
Bioaccumulative	No data available.
potential	
Chronic Toxicity (Fish)	No data available.
ErC50 (Selenastrum	98.2 mg/l, 72 h
capricornutum)	
LC50 (Fathead	131 mg/l , (96 h)
Minnow) Acute toxicity	
Mobility in soil	No data available.
Persistence and degradability	69 % (28 d, Ready Biodegradability - CO2 in Sealed Vessels (Headspace Test)). Biological
degradability	Oxygen Demand BOD-5: 1,770 mg/g BOD-20: 2,000 mg/g , Chemical Oxygen Demand: 2,420 mg/g, BOD/COD ratio No data available.
Results of PBT and	No data available.
vPvB assessment	
n-Butyl Acetate(123-86-	4)
Bioaccumulative	No data available.
potential	
Chronic Toxicity	Fish: No data available. Aquatic invertebrates: No data available. Toxicity to Aquatic Plants: No
	data available.
LC-50 (Fathead	18 mg/l, (96 h)
Minnow) Acute Toxicity	
LC-50 (Water Flea)	44 mg/l , (48 h)
Aquatic invertebrates	
Mobility in soil	Known or predicted distribution to environmental compartments: No data available.
Other adverse effects	No data available.
Persistence and	83 % (28 d), Biological Oxygen Demand:BOD-5: 730 mg/g, Chemical Oxygen Demand:1,010
degradability	mg/g, BOD/COD ratio:72 %.
Results of PBT and	No data available.
vPvB assessment	
P.M. Acetate(108-65-6)	
Aquatic invertebrates	NOEC (daphnia, 21 d): >= 100 mg/l EC-50 (daphnia, 21 d): > 100 mg/l
Bioaccumulative	No data available.
potential	262 male 1.050 male
Biological Oxygen	363 mg/g 1,050 mg/g
Demand Chemical Oxygen	No data available.
Demand	
Chronic Toxicity Fish	LC-50 (Oryzias latipes, 14 d): 63.5 mg/l NOEC (Oryzias latipes, 14 d): 47.5 mg/l
LC50 - Daphnoid -	408 mg/l (48 h)
Aquatic invertebrates	
LC50 - Fathead Minnow	161 mg/l (96 h)
- Toxicity to Fish	
Mobility in soil	No data available.
Other adverse effects	No data available.
Persistence and	Biodegradation - 90 % (28 d, Ready Biodegradability: CO2 Evolution Test) Readily biodegradable
degradability	
Results of PBT and	No data available.
vPvB assessment	
Toxicity to Aquatic	EC-50 (Selenastrum capricornutum, 96 h): > 1,000 mg/l NOEC (Selenastrum capricornutum, 96
Plants	h): >= 1,000 mg/l
TALC(14807-96-6)	
Bioaccumulative	No data available.
potential	
Mobility in soil	No data available.
Other adverse effects	No data available.
Persistence and	No data available.
degradability	DPT/v/DvP accomment not available as chemical affects accomment not required/ret and during
Results of PBT and vPvB assessment	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
	No data availablo
Toxicity Titanium Dioxide(13463	No data available.
LC50 fish	Fathead minnow 96 h >1000 mg/l
	Tradicia miniow 56 h × 1000 mg/r

13. DISPOSAL CONSIDERATIONS WASTE TREATMENT METHODS

GENERAL INFORMATION : No data available.

DISPOSAL METHOD: Dispose of waste and residues in accordance with Local, State, and Federal Regulations. Mix with compatible chemical which is less flammable and incenerate. Since emptied containers retain product residue, follow label warnings even after container is emptied. Residual vapors may explode on ignition; do not cut, drill, grind or weld or near this container.

14. TRANSPORT INFORMATION

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

USDOT GROUND DOT (DEPARTMENT OF TRANSPORTATION) PROPER SHIPPING NAME (DOT) : Paint HAZARDS CLASS : 3 UN/NA NUMBER : UN1263 PACKING GROUP : PG II EMERGENCY RESPONSE GUIDE (ERG) : 128

IATA (AIR) DOT (INTERNATIONAL AIR TRANSPORTATION ASSOCIATION) PROPER SHIPPING NAME : Paint HAZARDS CLASS : 3 UN/NA NUMBER : UN1263 PACKING GROUP : PG II EMERGENCY RESPONSE GUIDE (ERG) : 128

IMDG (OCEAN) PROPER SHIPPING NAME : Paint HAZARDS CLASS : 3 UN/NA NUMBER : UN1263 PACKING GROUP : PG II EMERGENCY RESPONSE GUIDE (ERG) : 128

MARINE POLLUTANT : No SPECIAL PRECAUTIONS : P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking. 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#
n-Butyl Acetate	123-86-4
Carbon Black	1333-86-4

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 311/312 Hazards : Fire Hazard, Acute Health Hazard, Chronic Health Hazar SARA 313 :

This product contains:	Chemical CAS#
Acetone	67-64-1
Talc	14807-96-6
Methyl Amyl Ketone	110-43-0
Titanium Dioxide	13463-67-7
n-Butyl Acetate	123-86-4

INTERNATIONAL REGULATIONS

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

 Flam. Liq. Cat. 2
 H226

 Eye Irrit. Cat. 2
 H319

 STOT SE Cat. 3
 H336

NATIONAL REGULATIONS

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

Indicates a chemical listed by IARC as a possible carcinogen.

STATE REGULATIONS CALIFORNIA PROPOSITION 65

This product contains:	Chemical CAS#
*Talc	14807-96-6

*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#
Acetone	67-64-1
Talc	14807-96-6
Methyl Amyl Ketone	110-43-0
n-Butyl Acetate	123-86-4
Acetylacetone	123-54-6
Carbon Black	1333-86-4

Pennsylvania Right to Know

This product contains	Chemical CAS#
Acetone	67-64-1
Talc	14807-96-6
Methyl Amyl Ketone	110-43-0
Titanium Dioxide	13463-67-7
n-Butyl Acetate	123-86-4
Amorphous Silica	7631-86-9
Aluminum Hydroxide	21645-51-2
Acetylacetone	123-54-6
P.M. Acetate	108-65-6
Magnesite	546-93-0
Dibutyltin Dilaurate	77-58-7
Carbon Black	1333-86-4

New Jersey Right to Know

This product contains	Chemical CAS#

Acetone	67-64-1
Talc	14807-96-6
Methyl Amyl Ketone	110-43-0
Titanium Dioxide	13463-67-7
n-Butyl Acetate	123-86-4
Amorphous Silica	7631-86-9
Aluminum Hydroxide	21645-51-2
Acetylacetone	123-54-6
P.M. Acetate	108-65-6
Magnesite	546-93-0
Dibutyltin Dilaurate	77-58-7
Carbon Black	1333-86-4

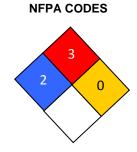
16. OTHER INFORMATION

Other Product Information

% Volatile by Volume: 68.98 % Solids by volume: 31.02 % Exempt by Volume: 47.01 % Volatile by Weight: 50.19 % Solids by Weight: 49.81 % Exempt by Weight: 33.86

VOC CONTENT:

Excluding Exempt VOC: 338 Including Exempt VOC: 179



HMIS RATING

Health :	2*
Flammability :	3
Reactivity :	0
Personal Protection :	Н

MANUFACTURER DISCLAIMER : The information contained in this Safety Data Sheet is considered to be true and accurate. Cardinal Industrial Finishes makes no warranties, expressed or implied, as to the accuracy and adequacy of this information. This data is offered solely for the user's consideration, investigation and verification.