

# SAFETY DATA SHEET



<b>DATE ISSUED :</b>	5/21/2016
<b>SDS REF. No :</b>	S1600-03

## 1600-03 POLY SLOW REDUCER

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** 1600-03 POLY SLOW REDUCER  
**PRODUCT CODE:** S1600-03  
**PRODUCT USE:** Industrial Solventborne Reducer

**MANUFACTURER**  
Cardinal Industrial Finishes  
1329 Potrero Ave

S. El Monte, CA,  
626 444-9274

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

### 2. HAZARDS IDENTIFICATION

#### PICTOGRAMS



**SIGNAL WORD :** DANGER

#### HAZARD STATEMENTS :

H226 Flammable liquid and vapor.  
H302 Harmful if swallowed.  
H320 Causes serious eye irritation.  
H315 Causes serious eye irritation.

#### PRECAUTIONARY STATEMENTS :

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
P264 Wash thoroughly after handling.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P233 Keep container tightly closed.  
P240 Ground/bond container and receiving equipment.  
P241 Use explosion-proof electrical/ventilating/lighting/.../equipment.  
P243 Take precautionary measures against static discharge.  
P270 Do not eat, drink or smoke when using this product.  
P302 + P352 IF ON SKIN: Wash with plenty of water.  
P363 Wash contaminated clothing before reuse.  
P405 Store locked up.  
P501 Dispose of in accordance with Local, Regional, State, Federal, and International Regulations.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Weight %	CAS Number	
n-Butyl Acetate	60% - 65%	123-86-4	

Methyl Amyl Ketone	35% - 40%	110-43-0	
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#### 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, CO<sub>2</sub>, water fog. Unsuitable extinguishing media: Do not use heavy water stream. A heavy water stream may 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

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

## 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

<b>Physical state</b>	:	Liquid
<b>Color</b>	:	Various colors depending on the pigmentation.
<b>Odor</b>	:	Characteristic. Sweet. Mint like.
<b>Odor threshold</b>	:	No data available.
<b>Ph</b>	:	N/A – See Technical Data Sheet
<b>Evaporation rate</b>	:	Slower Than Ether
<b>Melting point</b>	:	-94.7 C (-138.46 F)
<b>Freezing point</b>	:	No data available.
<b>Boiling point</b>	:	260.0 deg F TO 305.0 deg F
<b>Flash point</b>	:	79.00 deg F
<b>Lower explosion limit</b>	:	1.1
<b>Upper explosion limit</b>	:	7.9
<b>Vapor pressure</b>	:	185 mm Hg
<b>Vapor density</b>	:	Heavier than air
<b>Relative density</b>	:	No data available.
<b>Density</b>	:	7.1074
<b>Solubility</b>	:	No data available.
<b>Partion coefficient: n-octanol/water</b>	:	No data available.
<b>Autoignition temperature</b>	:	No data available.
<b>Decomposition temperature</b>	:	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 :** Extremely high temperatures, poor ventilation and excessive aging.

**INCOMPATIBLE MATERIALS :** Avoid contact with strong oxidizing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), dense black smoke.

## 11. TOXICOLOGICAL INFORMATION

Methyl Amyl Ketone(110-43-0)	
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 exposure	No data available.
n-Butyl Acetate(123-86-4)	
Aspiration hazard	No data available.
Carcinogenicity	No data available.
Inhalation	No data available.
LD-50 Dermal - (Rabbit)	> 16ml/kg
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.
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 exposure	Narcotic effect.

## 12. ECOLOGICAL INFORMATION

Methyl Amyl Ketone(110-43-0)	
Aquatic invertebrates	No data available.
Bioaccumulative potential	No data available.
Chronic Toxicity (Fish)	No data available.
ErC50 (Selenastrum capricornutum)	98.2 mg/l, 72 h
LC50 (Fathead Minnow) Acute toxicity	131 mg/l , (96 h)
Mobility in soil	No data available.

Persistence and degradability	69 % (28 d, Ready Biodegradability - CO2 in Sealed Vessels (Headspace Test)). Biological 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 vPvB assessment	No data available.
<b>n-Butyl Acetate(123-86-4)</b>	
Bioaccumulative potential	No data available.
Chronic Toxicity	Fish: No data available. Aquatic invertebrates: No data available. Toxicity to Aquatic Plants: No data available.
LC-50 (Fathead Minnow) Acute Toxicity	18 mg/l, (96 h)
LC-50 (Water Flea) Aquatic invertebrates	44 mg/l , (48 h)
Mobility in soil	Known or predicted distribution to environmental compartments: No data available.
Other adverse effects	No data available.
Persistence and degradability	83 % (28 d), Biological Oxygen Demand:BOD-5: 730 mg/g, Chemical Oxygen Demand:1,010 mg/g, BOD/COD ratio:72 %.
Results of PBT and vPvB assessment	No data available.

### 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 Related Material

**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, flammable liquid

**HAZARDS CLASS :** 3

**UN/NA NUMBER :** UN1263

**PACKING GROUP :** PG II

**EMERGENCY RESPONSE GUIDE (ERG) :** 128

#### IMDG (OCEAN)

**PROPER SHIPPING NAME :** Paint, flammable liquid

**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**

<b>This product contains:</b>	<b>Chemical CAS#</b>
n-Butyl Acetate	123-86-4

**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 313 :**

<b>This product contains:</b>	<b>Chemical CAS#</b>
n-Butyl Acetate	123-86-4
Methyl Amyl Ketone	110-43-0

**CLEAN AIR ACT :**

**INTERNATIONAL REGULATIONS**

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

Flam. Liq. Cat. 2; H226  
Acute Tox. Inhalation, Cat. 4; H332  
STOT SE, Inhalation, Cat. 3; H335  
Skin Sens. Cat. 1; H317

**NATIONAL REGULATIONS**

# Indicates a chemical listed by IARC as a possible carcinogen.

**STATE REGULATIONS  
CALIFORNIA PROPOSITION 65**

\*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**

<b>This product contains</b>	<b>Chemical CAS#</b>
n-Butyl Acetate	123-86-4
Methyl Amyl Ketone	110-43-0

**Pennsylvania Right to Know**

<b>This product contains</b>	<b>Chemical CAS#</b>
n-Butyl Acetate	123-86-4
Methyl Amyl Ketone	110-43-0

**New Jersey Right to Know**

<b>This product contains</b>	<b>Chemical CAS#</b>
n-Butyl Acetate	123-86-4
Methyl Amyl Ketone	110-43-0

## 16. OTHER INFORMATION

### **Other Product Information**

% Volatile by Volume: 100.00  
% Solids by volume: 0.00  
% Exempt by Volume: 0.00

% Volatile by Weight: 100.00  
% Solids by Weight: 0.00  
% Exempt by Weight: 0.00

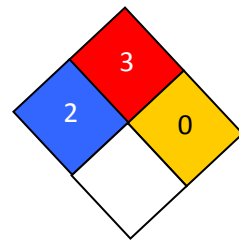
### **VOC CONTENT:**

Excluding Exempt VOC: 852  
Including Exempt VOC: 852

### **HMIS RATING**

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

### **NFPA CODES**



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