

# SAFETY DATA SHEET

Poly-Tone Reducer

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**1 – IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY UNDERTAKING**

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PRODUCT NAME: **Poly-Tone Reducer**  
PRODUCT NUMBER: R65-75

SUPPLIER: Poly-Fiber, Inc.  
P.O. Box 3129, Riverside, CA 92519, USA  
4343 Fort Drive, Riverside, CA 92509, USA  
(951) 684-4280  
(951) 809-7144  
(760) 782-1947

EMERGENCY TELEPHONE: (800) 424-9300 (Chemtrec- US)  
(703) 527-3887 (International – Call Collect)

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**2 - HAZARDS IDENTIFICATION**

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**GHS Hazard Category**

Flammable liquid- Category 2  
Eye Irritation - Category 2A  
Skin Irritation- Category 2  
Respiratory Irritation- Category 3  
Specific target organ toxicity (single exposure) – Category 2

**Label Elements****Pictograms****Signal Word****DANGER****Hazard Statements**

Highly flammable. Irritating to eyes and skin  
Harmful: danger of serious damage to health by prolonged exposure through inhalation  
Possible risk of harm to the unborn child  
Harmful: may cause lung damage if swallowed

**Precautionary Statements****Prevention**

Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Store in a well-ventilated place. Keep container tightly closed. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe mist/vapors/spray. Use only outdoors or in a well-ventilated area.  
Vapors may cause drowsiness and dizziness.

**Response**

INHALATION:  
Move the victim to a fresh air place immediately. Get medical attention if discomforts persist.  
INGESTION:

Rinse mouth with clean water immediately. DO NOT induce vomiting. Get medical attention immediately. If vomiting occurs, keep the victim's head low so that vomits from the stomach will not enter the lungs.

**SKIN CONTACT:**

Remove contaminated clothing and flush the affected skin areas with clean water for at least 15 minutes. Get medical attention if discomforts persist.

**EYES CONTACT:**

Make sure all contact lenses are removed before flushing the eyes with eye lids open with clean water for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

**Storage**

Store in a well-ventilated Place. Keep container tightly closed. Keep cool. Store in a locked cabinet, cage or room.

**Disposal**

Dispose of contents and container in accordance with all local, regional, national and international regulations.

CLASSIFICATION (1999/45) Xn, R48/20,R65, Repr.Cat.3, Xi, R36/38, F, R11, R67

This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

**3 – COMPOSITION /INFORMATION ON INGREDIENTS**

Name	EC No.	CAS No.	Content %	Classification (67/548/EEC)
Toluene	203-625-9	108-88-3	50-60%	R11, R20, S16, S25, S29, S33
Methyl Isobutyl Ketone	203-550-1	108-10-1	10-20%	XI, F, R11, R20, S29, S9, S16
Methyl n-Amyl Ketone	203-767-1	110-43-0	10-20%	R10, R22, S23
Ethylene Glycol Mono-n-propyl Ether	220-548-6	2807-30-9	10-20%	R10, R18, R19, R23/24, R36/37/38, S26, S36/37, S46
Glycol Ether EB	203-905-0	111-76-2	0-10%	XN, R20/21/22, R36/38, S36/37, S46

The Full Text for all R-Phrases and S-Phrases is displayed in Section 15

**COMPOSITION COMMENTS**

The data shown are in accordance with the latest EC Directives.

**4- FIRST AID MEASURES****INHALATION:**

Move the victim to a fresh air place immediately. Get medical attention if discomforts persist.

**INGESTION:**

Rinse mouth with clean water immediately. DO NOT induce vomiting. Get medical attention immediately. If vomiting occurs, keep the victim's head low so that vomits from the stomach will not enter the lungs.

**SKIN CONTACT:**

Remove contaminated clothing and flush the affected skin areas with clean water for at least 15 minutes. Get medical attention if discomforts persist.

**EYES CONTACT:**

Make sure all contact lenses are removed before flushing the eyes with eye lids open with clean water for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

**5- FIRE FIGHTING PROCEDURES****EXTINGUISHING MEDIA:**

Fire can be extinguished by using Foam, carbon dioxide, or dry powder, Dry Chemicals, sand, dolomite, etc...

**SPECIAL FIREFIGHTING PROCEDURES:**

Do not use a direct stream of water. Product may float and can be reignited on the surface of the water. Do not enter a confined area without full bunker gear including a positive-pressure NIOSH-approved self-contained breathing apparatus. Decomposition products may form toxic materials.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**

Never use welding or cutting torch on or near drum (even empty) because residue or product can ignite explosively. Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by pilot lights, flames and other ignition sources at locations distant from the material handling point. Flammable material.

**6-ACCIDENTAL RELEASE MEASURES**

**PERSONAL PRECAUTIONS:**

Wear protective clothing as described in Section 8.

**ENVIRONMENTAL PRECAUTIONS:**

Spillages or uncontrolled discharges into watercourses must immediately be alerted to Environmental Agency or other appropriate regulatory authority.

**SPILL CLEANUP METHODS:**

Keep combustibles away from spilled material. Extinguish all ignition sources. Avoid sparks, open flames, and smoking. Ventilate. Absorb in vermiculite, dry sand, or earth and place into containers for disposal.

**7-HANDLING AND STORAGE**

**USAGE PRECAUTIONS:**

Keep away from heat, sparks and open flames. Avoid spilling, skin and eyes contact. Use with adequate ventilation and avoid excessive exposure to solvent vapors. Use approved respirator if air contamination exceeds the accepted level.

**STORAGE PRECAUTIONS:**

**FLAMMABLE/Combustible.** Keep away from oxidizers, open flames and other ignition sources. Keep unused contents in original container and tightly closed lids. Store in a cool, dry and well-ventilated place and at an ambient Temperature not to exceeding above 120° F.

**STORAGE CLASS:**

FLAMMABLE liquid storage.

**8-EXPOSURE CONTROL/PERSONAL PROTECTION**

Name	Workplace Exposure Limits	Remarks
Toluene	ACGIH: 20 ppm TWA NIOSH: 100 ppm TWA; 375 mg/m3 TWA 500 ppm IDLH OSHA-Final PELs: 200 ppm TWA; 300 ppm Ceiling	Consult local authorities for acceptable exposure limits.
Methyl Isobutyl Ketone	ACGIH: 50 ppm; 75 ppm STEL NIOSH: 50 ppm TWA; 205 mg/m3 TWA 500 ppm IDLH OSHA-Final PELs: 100 ppm TWA; 410 mg/m3 TWA	Same As Above
Methyl N-Amyl Ketone	ACGIH: 50 ppm TWA OSHA: 100 ppm TWA	Same As Above
Glycol Ether EB	ACGIH: 20 ppm TWA NIOSH: 5 ppm TWA; 24 mg/m3 TWA 700 ppm IDLH OSHA-Final PELs: 50 ppm TWA; 240 mg/m3 TWA	Same As Above
Ethylene Glycol Mono-n-propyl Ether	None established	Same As Above



**PROTECTIVE EQUIPMENTS:**

**PROCESS CONDITIONS:**

**ENGINEERING MEASURES:**

**RESPIRATORY EQUIPMENT:**

**HANDPROTECTION:**

**EYE PROTECTION:**

**OTHER PROTECTION:**

**HYGIENE MEASURES:**

Provide eyewash station.

Provide adequate ventilation. Fully equipped spray booth is recommended to ensure the workers legal exposure limits are not exceeded.

Wear respirator with appropriate cartridge for organic solvents and chemicals.

Wear approved gloves such as Neoprene, Nitrile or Rubber types.

Wear splash-proof goggles.

Wear appropriate clothing to prevent any possible skin contact.

DO NOT SMOKE IN THE WORK AREA. Wash at the end of each work shift and before eating, drinking or smoking. Promptly remove contaminated clothing.

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**9- PHYSICAL AND CHEMICAL PROPERTIES**

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APPEARANCE:	Liquid
COLOR:	Clear
ODOR:	Ketone odor
BOILING POINT:	172-345° F
RELATIVE DENSITY:	0.849 g/mL
VAPOR DENSITY:	Heavier than air
FLASH POINT:	43 °F (Closed Cup)
FLAMMABILITY LIMITS:	NA
SOLUBILITY VALUE (g/100g H <sub>2</sub> O @ 20°C):	Insoluble
VOLATILE ORGANIC COMPOUND (VOC):	864 g/L

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**10- STABILITY AND REACTIVITY**

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## STABILITY:

Stable

## CONDITIONS TO AVOID:

Heat and fires. Ignition sources.

## INCOMPATIBILITY (MATERIALS TO AVOID):

Strong alkalis or strong oxidizers. This material may dissolve some plastics, rubber compounds or coatings. May react strongly with acids while in liquid form.

## HAZARDOUS DECOMPOSITION OR BYPRODUCTS:

Hydrogen chloride and very small amounts of phosgene and chlorine.

## HAZARDOUS POLYMERIZATION:

N/A

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**11-TOXICOLOGICAL INFORMATION**

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**Toluene (CAS# 108-88-3):** ACGIH: A4-Not Classifiable as a Human Carcinogen; IARC: Group 3 carcinogen; No other toxicological information available

**Methyl Isobutyl Ketone (CAS#108-10-1):** LD50/rat/oral = 2080mg/kg; Carcinogenicity: Not listed by NTP or IARC.

**Methyl n-Amyl Ketone (CAS#110-43-0):** LD50/rabbit/dermal = 12.6mL/kg; LD50/rat/oral = 1600mg/kg; Carcinogenicity: Not listed by IARC, NTP or OSHA.

**Glycol Ether EB (CAS#111-76-2):** Carcinogenicity: Not listed by NTP, IARC or OSHA.

**Ethyl.Glyc.Monopropyl Ether (CAS#2807-30-9):** LD50/rat/oral=3089mg/kg, LD50/mouse/oral=1774 mg/kg, LC50/rat/6 hrs > 2132 ppm, LD50/rabbit/dermal=1337 mg/kg, Skin Irritation/guinea pig=slight, Skin Irritation/rabbit=slight, Eye Irritation/rabbit=strong, Skin Sensitization/guinea pig=none.

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**12- ECOLOGICAL INFORMATION**

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**Toluene (CAS#108-88-3):** Ecotoxicity : No data available; Environmental : From soil, substance evaporates and is microbially biodegraded. In water, substance volatilizes and biodegrades; Physical: Photo chemically produced hydroxyl radicals degrade substance.

**Methyl Isobutyl Ketone (CAS#108-10-1):** Ecotoxicity : Not expected to be toxic to terrestrial life; Environmental : substance evaporates and biodegrades when released to soil, water and air.

**Methyl n-Amyl Ketone (CAS#110-43-0):** Ecotoxicity: No data available.

**Glycol Ether EB (CAS#111-76-2):** Ecotoxicity: Not expected to be toxic to aquatic life. Environmental: substance evaporates and biodegrades when released to soil, water and air.

**Ethyl.Glyc.Monopropyl Ether (CAS#2807-30-9) :** Oxygen Demand Data: BOD-5:1.3 g/g; BOD-20: 1.6 g/g COD (Chemical Oxygen Demand):: 2.04 g/g ThBOD: 1.98 g/g Acute Aquatic Effects Data: 96 h LC-50 (fathead minnow): > 91.3 mg/l NOEC: 91.3 mg/l , 96 h LC-50 (daphnid): > 91.3 mg/l NOEC: 91.3 mg/l, 96 h LC-50 (flatworm): > 91.3 mg/l NOEC: 91.3 mg/l, 96 h LC-50 (snail): > 91.3 mg/l NOEC: 91.3 mg/l

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**13 – DISPOSAL CONSIDERATIONS**

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Hazardous wastes should be sent to a RCRA approved incinerator or disposed of in a RCRA approved waste facility. Dispose of container and unused contents in accordance with federal, state and local requirements.

**I certify that all chemicals in this shipment comply with all applicable rules or orders under TSCA and that I am not offering a chemical substance for entry in violation of TSCA or any applicable rule or order under TSCA.**

## 14 – TRANSPORT INFORMATION

**DOT PROPER SHIPPING NAME:** PAINT RELATED MATERIAL  
**PRIMARY HAZARD CLASS/DIVISION:** 3  
**UN/UA NUMBER:** UN1263  
**PACKING GROUP:** II

**IMO PROPER SHIPPING NAME:** PAINT RELATED MATERIAL  
**IMO UN CLASS:** 3  
**IMO UN NUMBER:** UN1263  
**IMO PACKING GROUP:** II  
**IMO LABEL:** FLAMMABLE LIQUID  
**IMO VESSEL STOWAGE:** B

Air shipping this product is not advised and if done must be handled by a certified carrier according to IATA rules.



**GHS LABEL:**

**DANGER - HIGHLY FLAMMABLE LIQUID AND VAPOR. VAPOR HARMFUL. CAUSES SERIOUS EYE DAMAGE. MAY CAUSE ALLERGIC SKIN REACTION. HARMFUL OR FATAL IF SWALLOWED AND ENTERS AIRWAYS.**

Refer to SDS for additional information on safe handling / use. - Keep out of reach of children. For industrial use only.

**Contains:** Toluene (50-60%), Methyl Isobutyl Ketone (10-20%), Methyl n-Amyl Ketone (10-20%), Ethylene Glycol Mono-n-propyl Ether (10-20%), and Glycol Ether EB (0-10%). This product contains one or more chemicals known to the State of California to cause cancer, birth defects, and/or other reproductive harm.

**Hazards:** Highly flammable liquid and vapour. Causes serious eye damage. Causes skin irritation. May cause drowsiness or dizziness. May cause respiratory irritation. May cause damage to organs through prolonged or repeated exposure: Inhalation - auditory dysfunction. May cause an allergic skin reaction. May be fatal if swallowed and enters airways. Toxic to aquatic life. Suspected of damaging fertility or the unborn child.

**Precautionary Statement(s):** Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Store in a well-ventilated place. Keep container tightly closed. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe mist/vapors/spray. Use only outdoors or in a well-ventilated area. Wash (hands and exposed skin) thoroughly after handling.

**First Aid: Inhalation** - Move person to fresh air. If symptoms occur obtain medical attention. **Skin Contact** - Wash affected skin with soap and water. If symptoms occur obtain medical attention. **Eye Contact** - If substance has got into the eyes, immediately wash out with plenty of water for at least 15 minutes. Get immediate medical attention. **Ingestion** - Do not induce vomiting. Drink one glass of water. If symptoms occur obtain medical attention.

## 15 – REGULATORY INFORMATION

**Hazards:** Highly flammable liquid and vapour. Causes serious eye damage. Causes skin irritation. May cause drowsiness or dizziness. May cause respiratory irritation. May cause damage to organs through

prolonged or repeated exposure: Inhalation - auditory dysfunction. May cause an allergic skin reaction. May be fatal if swallowed and enters airways. Toxic to aquatic life. Suspected of damaging fertility or the unborn child.

**Precautionary Statement(s):** Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Store in a well-ventilated place. Keep container tightly closed. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe mist/vapors/spray. Use only outdoors or in a well-ventilated area. Wash (hands and exposed skin) thoroughly after handling.

CODES:



XI and XN



F

- XI=irritant
- XN=harmful
- F=highly flammable

R-Phrases:

R10: Flammable  
R11: Highly Flammable  
R18: In use, may form flammable/explosive vapor-air mixture  
R19: May form explosive peroxides  
R20: Harmful by inhalation  
R20/21/22: Harmful by inhalation, in contact with skin and if swallowed  
R22: Harmful if swallowed  
R23/24: Toxic by inhalation and in contact with skin  
R36/37/38: Irritating to eyes, respiratory system and skin  
R36/38: Irritating to eyes and skin

S-Phrases:

S9: Keep container in a well-ventilated place  
S16: Keep away from sources of ignition - No smoking  
S23: Do not breathe gas/fumes/vapor/spray (appropriate wording to be specified by the manufacturer)  
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice  
S29: Do not empty into drains  
S33: Take precautionary measures against static discharges  
S36/37: Wear suitable protective clothing and gloves  
S46: If swallowed, seek medical advice immediately and show this container or label

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**16- DISCLAIMER**

Above information is based on data supplied to us and is believed to be correct. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar and since the data made available subsequent to the date hereof may suggest modifications of the information, we do not assume responsibility for the results of its use. This information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose. It is the user's obligation to determine the safe use of it.