

SAFETY DATA SHEET

1. Identification

Product Number: FPR-5823 _____
Product Name: Premium Urethane Reducer Slow _____
Product Use Description: Industrial _____

Manufacturer Information _____

Medco
3201 S. 76th Street
Philadelphia, PA 19153

Emergency Telephone Number: CHEMTREC 800.424.9300

Additional Information: 215-492-6700

2. Hazard(s) identification

GHSClassification

Flammable liquids (Category 3) H226, Acute toxicity, Inhalation (Category 4) H332, Acute toxicity, Dermal (Category 4) H312, Acute toxicity, Oral (Category 4) H302, Carcinogenicity (Category 2) H351

Pictogram Flame, Exclamation Point, Health Hazard

Signalword Warning

HazardStatement

Flammable liquid and vapor. Harmful in contact with skin. Harmful if inhaled. Harmful if swallowed. Suspected of causing cancer

Precautionary

Avoid breathing mist/vapors/spray. Do not eat, drink or smoke when using this product. Do not handle until all safety precautions have been read and understood. Ground/bond container and receiving equipment. Keep away from heat/sparks/open flames/hot surfaces-no smoking. Keep container tightly closed. Obtain special instructions before use. Take precautionary measure against static discharge. Use only non-sparking tools. Use only outdoors or in a well-ventilated area. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Call a poison center/doctor if you feel unwell. If exposed or concerned: Get medical advice/attention. If inhaled: Remove person to fresh air and keep comfortable for breathing. If on skin (or hair): Take off immediately all contaminated clothing. Wash skin with plenty of water shower. If swallowed: Immediately call a poison center/doctor. Rinse mouth. In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish. Take off contaminated clothing and wash it before reuse. Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazards not otherwise classified: Not available

3. Composition/information on ingredients

Name	CAS	Concentration
Butylglycol acetate	112-07-2	1-50
n-Butyl acetate	123-86-4	1-50
methyl n-amyl ketone	110-43-0	1-50
Ethyl 3-ethoxypropionate	763-69-9	1-50
Methyl Propyl Ketone	107-87-9	1-20
Methyl isobutyl ketone	108-10-1	<1

4. First-aid measures

General Advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
If Inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In Case of Skin Contact	Wash off with soap and plenty of water. Consult a physician.
In Case of Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If Swallowed	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

Indications of any immediate medical attention and special treatment needed

No data available

5. Fire-fighting measures

Extinguishing Media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special Hazards	Carbon oxides
Advice for firefighters	Wear self-contained breathing apparatus for firefighting if necessary.
Further Information	Use water spray to cool unopened containers.

6. Accidental release measures

Personal precautions, protective equipment, and emergency procedures

Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all

sources of ignition. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

Environmental precautions Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and materials for containment and cleaning up

Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations.

7. Handling and storage

Safe Handling Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

Safe Storage Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

8. Exposure controls/personal protection

Engineering Control Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Eye/Face Protection Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin Protection Handle with butyl rubber gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection Complete suit protecting against chemicals, Flame retardant antistatic protective clothing., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory Protection Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type AXBEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of Environmental Exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Safe Storage Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

9. Physical and chemical properties

Appearance	methyl n-amyl ketone	clear colorless liquid
Odor	methyl n-amyl ketone	No data available
Odor Threshold	methyl n-amyl ketone	No data available
pH	methyl n-amyl ketone	No data available
Melting/Freezing Point	methyl n-amyl ketone	Melting point/range: -35 °C (-31 °F) - lit.
Initial Boiling Point/Range	methyl n-amyl ketone	149 - 150 °C (300 - 302 °F) - lit.
Flash Point	methyl n-amyl ketone	41 °C (106 °F) - closed cup
Evaporation Rate	methyl n-amyl ketone	No data available
Flammability	methyl n-amyl ketone	No data available
Upper Explosion Limit	methyl n-amyl ketone	7.9%
Lower Explosion Limit	methyl n-amyl ketone	1.11%
Vapor Pressure	methyl n-amyl ketone	2.85 hPa (2.14 mmHg) at 20 °C (68 °F)
Vapor Density	methyl n-amyl ketone	3.94 - (Air = 1.0)
Relative Density	methyl n-amyl ketone	0.82 g/cm3 at 25 °C (77 °F)
Water Solubility	methyl n-amyl ketone	4.21 g/l at 20 °C (68 °F)
Partition Coefficient	methyl n-amyl ketone	log Pow: 1.98
Auto Ignition Temperature	methyl n-amyl ketone	358 °C (676 °F) at 99.63 hPa (74.73 mmHg)
Decomposition Temperature	methyl n-amyl ketone	No data available
Viscosity	methyl n-amyl ketone	No data available

10. Stability and reactivity

Reactivity No data available

Chemical Stability Stable under recommended storage conditions.

Possibility of Hazardous Reactions No data available

Conditions to Avoid Heat, flames and sparks.

Incompatible materials Strong oxidizing agents, Strong reducing agents, Strong bases

Hazardous Decomposition Products No data available

11. Toxicological information

Name	CAS
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Butylglycol acetate	112-07-2
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LD50 Oral - Rat - 2,400 mg/kg

No data available

LD50 Dermal - Rabbit - 1,500 mg/kg

Skin corrosion/irritation Result: Mild eye irritation - 24 h

Serious eye damage/eye irritation Result: Mild eye irritation - 24 h

Respiratory or skin sensitization No data available

Germ cell mutagenicity No data available

Carcinogenicity Not identified as probable, possible or confirmed human carcinogen by IARC, NTP, or OSHA

Reproductive No data available

Additional information Stomach - Irregularities

Name	CAS
n-Butyl acetate	123-86-4
LD50 Oral - Rat - 10,700 - 14,130 mg/kg	
LC50 Inhalation - Rat - 4 h - > 21.0 mg/l	
LD50 Dermal - Rabbit - 17,600 mg/kg	
Skin corrosion/irritation	Result: No skin irritation - 4 h
Serious eye damage/eye irritation	Result: No eye irritation
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	Not identified as probable, possible or confirmed human carcinogen by IARC, NTP, or OSHA
Reproductive	No data available
Additional information	Drowsiness, Stomach - Irregularities

Name	CAS
methyl n-amyl ketone	110-43-0
LD50 Oral - Rat - 1,600 mg/kg	
LC50 Inhalation - Rat - male and female - 4 h - > 16.7 mg/l	
LD50 Dermal - Rat - male and female - > 5,000 mg/kg	
Skin corrosion/irritation	Result: Mild skin irritation - 4 h
Serious eye damage/eye irritation	Result: Mild eye irritation
Respiratory or skin sensitization	Did not cause sensitisation on laboratory animals.
Germ cell mutagenicity	Result: negative
Carcinogenicity	Not identified as probable, possible or confirmed human carcinogen by IARC, NTP, or OSHA
Reproductive	No data available
Additional information	Stomach - Irregularities, Central nervous system depression

Name	CAS
Ethyl 3-ethoxypropionate	763-69-9
LD50 Oral - Rat - male - > 5,000 mg/kg, LD50 Oral - Rat - female - 4,309 mg/kg	
LC50 Inhalation - Rat - male - 6 h - > 998 ppm	
LD50 Dermal - Rabbit - male - 4,080 mg/kg, LD50 Dermal - Rabbit - female - 4,680 mg/kg	
Skin corrosion/irritation	Result: No skin irritation - 4 h
Serious eye damage/eye irritation	Result: No eye irritation - 24 h
Respiratory or skin sensitization	Result: Does not cause skin sensitisation.
Germ cell mutagenicity	Result: negative
Carcinogenicity	Not identified as probable, possible or confirmed human carcinogen by IARC, NTP, or OSHA
Reproductive	No data available
Additional information	Nausea, Headache, Vomiting, Central nervous system depression, Dizziness

Name	CAS
Methyl Propyl Ketone	107-87-9
LD50 Oral - Rat - 1,600 mg/kg	
No data available	
LD50 Dermal - Rabbit - 6,500 mg/kg	
Skin corrosion/irritation	Result: Open irritation test
Serious eye damage/eye irritation	No data available
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	Not identified as probable, possible or confirmed human carcinogen by IARC, NTP, or OSHA
Reproductive	No data available
Additional information	Lowered blood pressure, Central nervous system depression, narcosis, Nausea, Dizziness, Headache, Exposure to and/or consumption of alcohol may increase toxic effects.

Name	CAS
Methyl isobutyl ketone	108-10-1
LD50 Oral - Rat - 2,080 mg/kg	
LC50 Inhalation - Rat - 4 h - 8.2 - 16.4 mg/m3	
LD50 Dermal - Rabbit - > 16,000 mg/kg	
Skin corrosion/irritation	Result: Mild skin irritation - 24 h
Serious eye damage/eye irritation	Result: Moderate eye irritation - 24 h
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	IARC: 2B - Group 2B: Possibly carcinogenic to humans (4-Methylpentan-2-one)
Reproductive	Developmental Toxicity - Mouse - Inhalation Effects on Embryo or Fetus: Fetotoxicity (except death, e.g., stunted fetus). Effects on Embryo or Fetus: Fetal death.
Additional information	Blurred vision, Dermatitis,

12. Ecological information

Name	CAS	Toxicity
Butylglycol acetate	112-07-2	Not Available
n-Butyl acetate	123-86-4	Toxicity to fish LC50 - Lepomis macrochirus (Bluegill) - 100 mg/l - 96 h, Toxicity to daphnia EC50 - Daphnia magna (Water flea) - 72.8 - 205.0 mg/l - 24 h, EC50 - Daphnia (water flea) - 44 mg/l - 48 h, Toxicity to algae EC50 - Desmodesmus subspicatus (Scenedesmus subspicatus) - 674.7 mg/l - 72 h
methyl n-amyl ketone	110-43-0	Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - 126 - 137 mg/l - 96 h, Toxicity to daphnia semi-static test EC50 - Daphnia magna (Water flea) - > 90.1 mg/l - 48 h, Toxicity to algae static test EC50 - Pseudokirchneriella subcapitata (algae) - 98.2 mg/l - 72 h

Ethyl 3-ethoxypropionate	763-69-9	static test LC50 - Pimephales promelas (fathead minnow) - 55.3 mg/l - 96 h, static test LC50 - Pimephales promelas (fathead minnow) - 45.3 mg/l - 96 h, Immobilization EC50 - Daphnia magna (Water flea) - > 479.7 mg/l - 48 h, Immobilization EC50 - Daphnia magna (Water flea) - 785 mg/l - 48 h, Growth inhibition EC50 - Selenastrum capricornutum (green algae) - > 114.86 mg/l - 72 h, Growth inhibition IC50 - other microorganisms - > 5,000 mg/l - 16 h
Methyl Propyl Ketone	107-87-9	LC50 - Pimephales promelas (fathead minnow) - 1,240 mg/l - 96 h
Methyl isobutyl ketone	108-10-1	LC0 - Leuciscus idus melanotus - 480 mg/l - 48 h, EC50 - Daphnia magna (Water flea) - 1,550 - 3,623 mg/l - 24 h, EC50 - Desmodesmus subspicatus (green algae) - 980 - 2,000 mg/l - 48 h

13. Disposal considerations

Dispose of contents/container in accordance with local/regional/national/international regulations.

14. Transport information

Proper Shipping Name	Paint Related Material
Hazard Class	3
Identification Number	UN1263
Packing Group	III
Label	Flammable

15. Regulatory information

Name	CAS
Butylglycol acetate	112-07-2
SARA 302/304	No components were identified
SARA 313	No components were identified
CERCLA	No components were identified
SARA 311/312	Fire Hazard, Acute Health Hazard, Chronic Health Hazard
PROP 65	No components were identified

Name	CAS
n-Butyl acetate	123-86-4
SARA 302/304	No components were identified
SARA 313	No components were identified
CERCLA	RQ=5,000 lbs
SARA 311/312	Fire Hazard, Chronic Health Hazard
PROP 65	No components were identified

Name	CAS
methyl n-amyl ketone	110-43-0
SARA 302/304	No components were identified
SARA 313	No components were identified
CERCLA	No components were identified
SARA 311/312	Fire Hazard, Acute Health Hazard, Chronic Health Hazard
PROP 65	No components were identified

Name	CAS
Ethyl 3-ethoxypropionate	763-69-9
SARA 302/304	No components were identified
SARA 313	No components were identified
CERCLA	No components were identified
SARA 311/312	Fire Hazard
PROP 65	No components were identified

Name**CAS**

Methyl Propyl Ketone

107-87-9

SARA 302/304 No components were identified**SARA 313** No components were identified**CERCLA** No components were identified**SARA 311/312** Fire Hazard, Acute Health Hazard, Chronic Health Hazard**PROP 65** No components were identified**Name****CAS**

Methyl isobutyl ketone

108-10-1

SARA 302/304 No components were identified**SARA 313** 313**CERCLA** RQ=5,000 lbs**SARA 311/312** Fire Hazard, Acute Health Hazard, Chronic Health Hazard**PROP 65** Cancer Hazard

16. Other information, including date of preparation or last revision

SDS Date: 6/5/2015

Disclaimer

Our Company cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.