

PRODUCT: URETHANE REDUCER - SLOW

SECTION 01: Identification

Manufactured by..... Rexall Solutions
 27 Keefer Road
 St Catharines, ON 2M6K4

Product name..... URETHANE REDUCER - SLOW

Product Code..... RX590345 , RX590345-1, RX590345-5

Recommended use and restrictions on use.. Paint reducer. Recommended use and restrictions on use. This product must be blended with other materials before application. Review and understand the warnings on all containers since the sprayable mixture will have the hazards of its components.

Chemical family..... Mixture.

NFPA rating..... Health: 2 Fire: 3 Reactivity: 0.

HMIS..... H: 2 F: 3 R: 0.

24 hour emergency number..... IN CANADA CALL CANUTEC 1-888-226-8832 (CAN-UTEC); IN THE UNITED STATES

SECTION 02: Hazards identification



Signal Word..... DANGER.

Hazard Classification..... Flammable Liquid 2. Aspiration Toxicity 1. Skin Irritant 2. Eye Irritant 2. Single Target Organ Toxicity - Single Exposure 3. (respiratory system). (narcotic effects). Reproductive 2. STOT RE 2.

Hazard Description..... H225 Highly flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H319 Causes serious eye irritation. H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H361 This product contains ingredients that are suspected of damaging fertility or the unborn child. H373 May cause damage to the liver and kidneys through prolonged or repeated contact.

Prevention..... P201 Obtain special instructions before use. P202 Do not handle this product until all safety instructions have been read and understood. P210 Keep away from heat, sparks, open flames and hot surfaces. No smoking. P233 Keep container tightly closed. P240 Ground and bond container and receiving equipment. P241 Use explosion proof equipment. P242 Use only non-sparking tools. P243 Take precautionary measures against static discharge. P280 Wear protective gloves and eye protection. P264 Wash thoroughly after handling. P271 Use only outdoors or in a well ventilated area. P260 Do not breathe mist, vapours, or spray.

Response P303 + P361 + P353 If on skin or in hair: take off all contaminated clothing immediately. Rinse thoroughly with water and use safety shower . P370 + P378 In case of fire - use dry chemical powder, CO2 or foam to extinguish. P301 + P310 If swallowed IMMEDIATELY CALL A POISON CONTROL CENTRE and follow instructions provided by the centre. P331 Do NOT induce vomiting. P302 + P352 - If on skin: wash with plenty of water. . P321 - For specific treatment see section 4 on this SDS. P332 + P313 - If skin irritation occurs get medical attention or advice. P362 + P364 - Take off contaminated clothing and wash before reuse. P305 + P351 + P338 If in eyes rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing until medical help arrives. P337 + P313 - If eye irritation persists get medical attention. P304 + P340 - If inhaled remove person to fresh air and keep comfortable for breathing. P312 Call a POISON CENTER/doctor if you feel unwell. P308 + P313 If exposed or concerned, get medical advice/attention.

Storage..... P403 + P235 Store in well ventilated area. Keep cool. P405 Store locked up. P233 Keep container tightly closed.

Disposal..... P501 Dispose all unused, waste or empty containers in accordance with local regulations.

Note This product mixture has been classified based on its ingredients.

SECTION 03: Composition/Information on Ingredients

HAZARDOUS INGREDIENTS	CAS #	WT. %
Acetone	67-64-1	10-40
1,2-dimethylbenzene; 1,3-dimethylbenzene; 1,4-dimethylbenzene	1330-20-7	20-25
t-Butyl Acetate	540-88-5	30-35
Methyl Isobutyl Ketone	108-10-1	20-25

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and hence require reporting in this section.

SECTION 04: First aid measures

Eye contact.....	In case of contact, immediately flush eyes, keeping eyelids open, with plenty of water for at least 15 minutes. Obtain medical attention.
Skin contact.....	Remove all contaminated clothing and immediately wash the exposed areas with copious amounts of water for a minimum of 30 minutes or up to 60 minutes for critical body areas. If irritation persists, seek medical attention.
Inhalation.....	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen, obtain medical attention.
Ingestion.....	Do not induce vomiting. If ingestion is suspected, contact physician or poison control center immediately. If spontaneous vomiting occurs have victim lean forward with head down to prevent aspiration of fluid into the lungs. Never give anything by mouth to an unconscious person.
Most important symptoms and effects, whether acute or delayed	Harmful if swallowed, in contact with skin or if inhaled. Causes skin and eye irritation. May cause respiratory irritation. Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea. May damage fertility or the unborn child.
Additional information.....	Treat victims symptomatically. The main hazard from ingestion is aspiration of the liquid into the lungs producing chemical pneumonitis. In the event of an incident involving this product ensure that medical authorities are provided a copy of this safety data sheet.

SECTION 05: Fire fighting measures

Suitable and unsuitable extinguishing media	"Alcohol" foam, CO ₂ , dry chemical. In cases of larger fires, water spray should be used. Do not use water in a jet.
Hazardous combustion products.....	Oxides of carbon (CO, CO ₂). Hydrocarbon fumes and smoke.
Special fire fighting procedures.....	Firefighter should be equipped with self-contained breathing apparatus and full protective clothing to protect against potentially toxic and irritating fumes. Cool fire-exposed containers with cold water spray. Heat will cause pressure buildup and may cause explosive rupture. Solvent vapours may be heavier than air and may build up and travel along the ground to an ignition source, which may result in a flash back to the source of the vapours. Keep run-off water from entering sewers and other waterways. Dike for water control.

SECTION 06: Accidental release measures

Leak/spill.....	Ventilate. Eliminate all sources of ignition. Contain the spill. Avoid all personal contact. Evacuate all non-essential personnel. Prevent runoff into drains, sewers, and other waterways. Absorb with earth, sand, or another dry inert material. Shovel into suitable unsealed containers, transport to well-ventilated area (outside) and treat with neutralizing solution: mixture of water (80%) with non-ionic surfactant Tergitol TMN-10 (20%); or water (90%), concentrated ammonia (3-8%) and detergent (2%). Spilled material and water rinses are classified as chemical waste, and must be disposed of in accordance with current local, provincial, state, and federal regulations.
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SECTION 07: Handling and storage

Handling procedures.....	Keep away from heat, sparks, and open flame. Always adopt precautionary measures against build-up of static which may arise from appliances, handling and the containers in which product is packed. Ground handling equipment. Avoid all skin contact and ventilate adequately, otherwise wear an appropriate breathing apparatus. Avoid breathing vapours or mist. Handle and open container with care. Employees should wash hands and face before eating or drinking.
Storage needs.....	Keep away from heat, sparks, and open flames. Keep container closed when not in use. Store away from oxidizing and reducing materials. Store away from sunlight.

SECTION 08: Exposure controls / personal protection

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Occupational exposure limits (Canada)

Ingredient name	Exposure limits
Acetone	<p>CA Alberta Provincial (Canada, 4/2009). 8 hrs OEL: 1200 mg/m³ 8 hours. 15 min OEL: 1800 mg/m³ 15 minutes. 8 hrs OEL: 500 ppm 8 hours. 15 min OEL: 750 ppm 15 minutes.</p> <p>CA British Columbia Provincial (Canada, 5/2015). TWA: 250 ppm 8 hours. STEL: 500 ppm 15 minutes.</p> <p>CA Ontario Provincial (Canada, 7/2015). TWA: 500 ppm 8 hours. STEL: 750 ppm 15 minutes.</p> <p>CA Quebec Provincial (Canada, 1/2014). TWAEV: 500 ppm 8 hours. TWAEV: 1190 mg/m³ 8 hours. STEV: 1000 ppm 15 minutes. STEV: 2380 mg/m³ 15 minutes.</p> <p>CA Saskatchewan Provincial (Canada, 7/2013). STEL: 750 ppm 15 minutes. TWA: 500 ppm 8 hours.</p> <p>15 min OEL: 300 ppm 15 minutes.</p>
1,2-dimethylbenzene; 1,3-dimethylbenzene; 1,4-dimethylbenzene	<p>CA Alberta Provincial (Canada, 6/2018). 8 hrs OEL: 100 ppm 8 hours. 15 min OEL: 651 mg/m³ 15 minutes. 15 min OEL: 150 ppm 15 minutes. 8 hrs OEL: 434 mg/m³ 8 hours.</p> <p>CA British Columbia Provincial (Canada, 5/2019). TWA: 100 ppm 8 hours. STEL: 150 ppm 15 minutes.</p> <p>CA Quebec Provincial (Canada, 1/2014). TWAEV: 100 ppm 8 hours. TWAEV: 434 mg/m³ 8 hours. STEV: 150 ppm 15 minutes. STEV: 651 mg/m³ 15 minutes.</p> <p>CA Ontario Provincial (Canada, 1/2018). STEL: 150 ppm 15 minutes. TWA: 100 ppm 8 hours.</p> <p>CA Saskatchewan Provincial (Canada, 7/2013). STEL: 150 ppm 15 minutes. TWA: 100 ppm 8 hours.</p>

t- butyl acetate

CA Alberta Provincial (Canada, 6/2018).

8 hrs OEL: 200 ppm 8 hours.

8 hrs OEL: 950 mg/m³ 8 hours.**CA British Columbia Provincial (Canada, 1/2020).**

TWA: 200 ppm 8 hours.

CA Quebec Provincial (Canada, 7/2019).

TWAEV: 200 ppm 8 hours.

TWAEV: 950 mg/m³ 8 hours.**CA Saskatchewan Provincial (Canada, 7/2013).**

STEL: 250 ppm 15 minutes.

TWA: 200 ppm 8 hours.

CA Ontario Provincial (Canada, 6/2019).

STEL: 150 ppm 15 minutes.

TWA: 50 ppm 8 hours.

Methyl isobutyl ketone

CA Alberta Provincial (Canada, 6/2018).8 hrs OEL: 205 mg/m³ 8 hours.

8 hrs OEL: 50 ppm 8 hours.

15 min OEL: 75 ppm 15 minutes.

15 min OEL: 307 mg/m³ 15 minutes.**CA British Columbia Provincial (Canada, 5/2019).**

TWA: 20 ppm 8 hours.

STEL: 75 ppm 15 minutes.

CA Ontario Provincial (Canada, 1/2018).

TWA: 20 ppm 8 hours.

STEL: 75 ppm 15 minutes.

CA Quebec Provincial (Canada, 1/2014).

TWAEV: 50 ppm 8 hours.

TWAEV: 205 mg/m³ 8 hours.

STEV: 75 ppm 15 minutes.

STEV: 307 mg/m³ 15 minutes.**CA Saskatchewan Provincial (Canada, 7/2013).**

STEL: 75 ppm 15 minutes.

TWA: 50 ppm 8 hours.

Appropriate engineering controls

: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Environmental exposure controls

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures**Hygiene measures**

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

SECTION 09: Physical and chemical properties

Physical state.....	Liquid.
Colour.....	Clear, colourless.
Odour.....	Solvent odour.
Odour threshold (ppm).....	Not available.
pH.....	Not applicable.
Melting / Freezing point (deg C).....	< -50 C. (estimate).
Initial boiling point / boiling range (deg C).....	>79.
Flash point (deg C), method.....	-9. (estimated).
Evaporation rate.....	Not available.
Flammability (solids and gases).....	Not applicable.
Upper flammable limit (% vol).....	11.5.
Lower flammable limit (% vol).....	0.9.
Vapour pressure (mm Hg).....	>3.7 mmHg.
Vapour density (air=1).....	>1.
Relative Density (Specific Gravity).....	6.99 lb/usg - 0.839 g/mL.
Solubility	
Coefficient of water/oil distribution.....	Not available.
Auto ignition temperature (deg C).....	> 320.
Decomposition temperature.....	Not available.
Viscosity.....	13.2 sec Zahn #2.
% Volatile by volume.....	100.
VOC.....	378 g/L.

SECTION 10: Stability and reactivity

Chemical stability.....	Stable at normal temperatures and pressures.
Reactivity	Avoid heat, sparks and flames. Explosive reactions can occur in the presence of strong oxidizing agents.
Possibility of hazardous reactions.....	Hazardous polymerization will not occur.
Conditions to avoid.....	Keep away from heat. Incompatible with strong oxidizers.
Hazardous decomposition products.....	By fire: Oxides of carbon (CO,CO2). Dense black smoke.

SECTION 11: Toxicological information

INGREDIENTS	LC50	LD50
Methyl isobutyl ketone	Not Available	Oral -4 hrs exposure Rat 2080 mg/kg

SECTION 11: Toxicological information

INGREDIENTS Acetone	LC50	LD50
1,2-dimethylbenzene; 1,3-dimethylbenzene; 1,4-dimethylbenzene	Not Available	Oral Rat 5800 mg/kg (rat oral)
t-butyl acetate	Not Available	4100 mg/kg (rat oral)

Route of exposure.....	Eye contact. Skin contact. Inhalation.
Skin contact.....	Can cause moderate irritation, defatting and dermatitis.
Skin absorption.....	May be harmful if absorbed through the skin.
Eye contact.....	Can cause redness, irritation, tissue destruction.
Inhalation (acute).....	Excessive inhalation of vapours can cause respiratory irritation, dizziness, headache, vomiting and unconsciousness.
Inhalation (chronic).....	Chronic exposure to organic solvent vapors have been associated with various neurotoxic effects including permanent brain and/or nervous system damage, kidney, liver, blood damage and reproductive effects among women. Symptoms may include nausea, vomiting, abdominal pain, headache, impaired memory, loss of coordination, insomnia and breathing difficulties.
Ingestion.....	May be harmful if swallowed. Aspiration of material into lungs can cause chemical pneumonitis which can be fatal.
Effects of chronic exposure.....	Breathing high concentrations of vapour may cause anesthetic effects and serious health effects. Prolonged or repeated skin contact may cause drying or cracking of skin. Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal .
Carcinogenicity of material.....	None known.
Reproductive effects.....	Toluene is fetotoxic in rats and mice at maternally toxic levels. Prolonged and repeated exposure of pregnant animals (>1500 ppm) to Toluene have been reported to cause adverse fetal developmental effects. Toluene is known by the State of California to cause adverse fetal developmental effects. In one study, Methyl Ethyl Ketone has been found to cause embryol toxicity in large concentrations.

SECTION 12: Ecological information

Environmental..... Do not allow to enter waters, waste water or soil.

SECTION 13: Disposal considerations

Waste disposal..... This material and its container must be disposed of as hazardous waste. Avoid release to the environment. Dispose of waste in accordance with all applicable Federal, Provincial/State and local regulations.

SECTION 14: Transport information

TDG Classification.....	UN1263 - PAINT RELATED MATERIAL - Class 3 - Packing Group II - This product meets the Limited Quantity exemption when packaged in containers less than 5 liters.
DOT Classification (Road).....	UN1263 - PAINT RELATED MATERIAL - Class 3 - Packing Group II - Ltd Qty (5 Liters/1.3 Gallons).
IATA Classification (Air).....	UN1263 - PAINT RELATED MATERIAL - Class 3 - Packing Group II. Do not ship by air without checking appropriate IATA regulations.
IMDG Classification (Marine).....	UN1263 - PAINT RELATED MATERIAL - Class 3 - Packing Group II - EmS: F-E S-E. Limited Quantity.
Marine Pollutant.....	No.
Proof of Classification.....	In accordance with Part 2.2.1 of the Transportation of Dangerous Goods Regulations (July 2, 2014) - we certify that classification of this product is correct. .

SECTION 15: Regulatory information

CEPA status.....	On Domestic Substances List (DSL).
TSCA inventory status.....	All components are listed.
OSHA.....	This product is considered hazardous under the OSHA Hazard Communication Standard.
SARA Title III	
Section 302 - extremely hazardous substances.....	None.
Section 311/312 - hazard categories.....	Immediate health, delayed health, fire hazard.
Section 313.....	Methyl Ethyl Ketone. Toluene.
EPA hazardous air pollutants (HAPS).....	Toluene. Ethylbenzene.
40CFR63	

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CEPA status..... On Domestic Substances List (DSL).
 TSCA inventory status..... All components are listed.
 OSHA..... This product is considered hazardous under the OSHA Hazard Communication Standard.
 SARA Title III
 Section 302 - extremely hazardous None.
 substances
 Section 311/312 - hazard categories..... Immediate health, delayed health, fire hazard.
 Section 313..... None.
 EPA hazardous air pollutants (HAPS) None.
 40CFR63
 California Proposition 65..... This product does not contain any chemical(s) known to the State of California to cause

SECTION 16: Other information

Prepared by: REGULATORY AFFAIRS.

Disclaimer:..... **DISCLAIMER:** All information appearing herein is based upon data obtained from experience and recognized technical sources. To the best of our knowledge, it is believed to be correct as of the date of issue but we make no representations as to its accuracy or sufficiency and do not suggest or guarantee that any hazards listed herein are the only ones which exist. The hazard information contained herein is offered solely for the consideration of the user, subject to his own investigation and verification of compliance with applicable regulations, including the safe use of the product under every foreseeable condition. The information relates only to the product designated herein, and does not relate to its use in combination with any other material or in any other process.

Revision date: AUG 11/2021