

SAFETY DATA SHEET

Prepared according to USA OSHA Hazcom 2012 / Canada WHMIS 2015



Date Prepared : 12/10/2015

SDS No : UURM1LV Low VOC Reducer - Medium_ENG

Date Revised : 05/24/2018

Revision No : 2

UURM1LV Low VOC Urethane Grade Thinner/Reducer - MEDIUM

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: UURM1LV Low VOC Urethane Grade Thinner/Reducer - MEDIUM

Product Description: Urethane Paint Thinner - MEDIUM, 3.78 L / 1 gal US

General Use: Paint Thinner

Product Stock/Code: UURM1LV / 6011

Chemical Family: Solvent-based

Molecular Formula: Mixture

Manufacturer / Supplier

Dominion Sure Seal Ltd.
6175 Danville Road, Mississauga
Ontario, Canada L5T 2H7
Fax: 905-670-5174
www.dominionsureseal.com

Customer Service: 905-670-5411

Emergency Telephone Numbers (24 hour)

CANUTEC : (613) 996-6666

CHEMTREC : (800) 424-9300

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

The classification and label elements stated below were prepared in accordance with the USA OSHA Hazard Communication Standard (29 CFR 1910.1200; Hazcom 2012) and the Canadian WHMIS regulations (Hazardous Products Regulations; WHMIS 2015). This information may be different from the actual product label information for labels that are regulated by other agencies.

Health hazards:

Eye Irritation, Category 2

Skin Irritation, Category 2

Specific Target Organ Toxicity (Single exposure), Category 3 (Respiratory Tract Irritation and Narcotic Effects)

Physical hazards:

Flammable Liquids, Category 2

Label elements

Hazardous components for labelling:

p-Chlorobenzotrifluoride, Acetone and n-Butyl acetate



Exclamation
mark



Flame

Signal Word: DANGER

Hazard statement(s)

H225: Highly flammable liquid and vapour.
H319: Causes serious eye irritation.
H315: Causes skin irritation.
H335: May cause respiratory irritation.
H336: May cause drowsiness or dizziness.

Precautionary statement(s)

Prevention:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240: Ground and bond container and receiving equipment.
P241: Use explosion-proof electrical, ventilating and lighting equipment.
P242: Use non-sparking tools.
P243: Take action to prevent static discharges.
P261: Avoid breathing mist, vapours or spray.
P271: Use only outdoors or in a well-ventilated area.
P264: Wash hands thoroughly after handling.
P280: Wear protective gloves, protective clothing and eye protection.

Response:

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical advice/attention.
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P332+P313: If skin irritation occurs: Get medical advice/attention.
P362+P364: Take off contaminated clothing and wash it before reuse.
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312: Call a POISON CENTER or doctor/physician if you feel unwell.
P370+P378: In case of fire: Use dry chemical or foam to extinguish.

Storage:

P403+P235: Store in a well-ventilated place. Keep cool.
P233: Keep container tightly closed.
P405: Store locked up.

Disposal:

P501: Dispose of contents/container in accordance with applicable local, regional and/or national regulations.

Hazards Not Otherwise Classified: No data available.

Emergency Overview

Immediate concerns: Flammable liquid and vapor. May irritate the eyes, skin and respiratory system. Vapours may cause drowsiness and dizziness.

Comments: See sections 9 and 10 for more detailed information on physicochemical effects.
See section 11 for more detailed information on health effects.
See sections 12 for more detailed information on environmental effects.

This product is a consumer product and is labeled in accordance with the Canadian Consumer Chemicals and Containers Regulations and US Consumer Product Safety Commission regulations which take precedence over Canadian WHMIS 2015 and OSHA Hazcom 2012 Hazard Communication labeling. The actual container label will not include the above label elements. The labeling above applies to products used solely for industrial / professional use.

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name | Wt. % | CAS number |
|--------------------------|--------------|-------------------|
| p-Chlorobenzotrifluoride | 48 - 52 | 98-56-6 |
| Acetone | 28 - 32 | 67-64-1 |
| n-Butyl acetate | 19 - 21 | 123-86-4 |

4. FIRST AID MEASURES

Eye Contact: In case of contact, immediately flush eyes, keeping eyelids open, with plenty of water for at least 15 minutes. Get medical attention, if irritation persists.

Skin Contact: Wash with soap and water. Get medical attention if irritation develops or persists. Remove contaminated clothing and wash before reuse.

Ingestion: If swallowed, do NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

Signs and Symptoms of Overexposure

Eye Contact: Contact causes serious eye irritation. Symptoms may include pain, tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes.

Skin Contact: Contact causes skin irritation. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

Ingestion: Substance may be harmful if swallowed. May cause irritation. Symptoms of ingestion may include abdominal pain, nausea, vomiting and diarrhea.

Inhalation: High vapor or spray mist concentrations may be harmful if inhaled. May cause headaches and dizziness. High vapor concentrations may cause drowsiness.

Notes to Physician: Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

Additional Information: No data available.

5. FIRE FIGHTING MEASURES

Flammable Properties: Flammable Liquid. Can release vapors that form explosive mixtures at temperatures at or above the flash point. Product can be ignited by static discharge.

Extinguishing Media: Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.

Hazardous Combustion Products: During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

Fire Fighting Procedures: Containers can build up pressure if exposed to heat (fire).

Fire Fighting Equipment: As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

Sensitivity to Static Discharge: Product is sensitive to static discharge.

Sensitivity to Mechanical Impact: Product is not sensitive to mechanical impact.

6. ACCIDENTAL RELEASE MEASURES

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Small Spill: Eliminate all ignition sources. Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Sweep up material being careful not to raise dust. Place in an appropriate disposal container and seal tightly.

Environmental Precautions

Water Spill: Do not flush to sewer.

Land Spill: Avoid runoff into storm sewers and ditches which lead to waterways.

Special Protective Equipment: Clean up spills immediately, observing precautions in Protective Equipment section 8.

7. HANDLING AND STORAGE

General Procedures: Comply with all national, state, and local codes pertaining to the storage, handling, dispensing, and disposal of flammable liquids. Ensure thorough ventilation of stores and work areas.

Handling: Do not use in the presence of open flame or spark. Use only in a well ventilated area. Wear recommended personal protective equipment. Keep container closed when not in use. Avoid breathing vapours or mist. Avoid contact with eyes, skin, and clothing. After handling, always wash hands thoroughly with soap and water.

Storage: Store away from heat, sparks, open flames, strong oxidizing agents and direct sunlight. Protect from physical damage. Keep container tightly closed and in a well-ventilated place. Store in a cool place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

| OSHA / WHMIS 2015 HAZARDOUS COMPONENTS | | | | |
|--|------------------------------|------|--------|-------------------|
| Chemical Name | Occupational Exposure Limits | | | |
| | Type | | ppm | mg/m ³ |
| p-Chlorobenzotrifluoride | USA OEL | - | -- [1] | -- [1] |
| Acetone | OSHA PEL | TWA | 1000 | 2400 |
| | ACGIH TLV | TWA | 500 | 1188 |
| | | STEL | | 750 |
| | NIOSH REL | TWA | 250 | 590 |
| n-Butyl acetate | OSHA PEL | TWA | 150 | 710 |
| | | STEL | 200 | 950 |
| | NIOSH REL | TWA | 150 | 710 |
| | | STEL | 200 | 950 |

Footnotes:
1. This material does not have established exposure limits in the USA under OSHA, NIOSH, ACGIH.

Engineering Controls: Use general or local exhaust ventilation to maintain air concentrations below recommended exposure limits.

Personal Protective Equipment

Eyes and Face: Wear safety glasses with side shields (or goggles). Contact lenses should not be worn when working with this product. Eye wash fountains should be readily available to areas of use and handling.

Skin Contact: Wear chemical resistant gloves.

Respiratory: If engineering controls do not maintain airborne concentrations below recommended exposure

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limits, an approved respirator must be worn. Respirator type: NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

Protective Clothing: Wear protective clothing as necessary to prevent contact.

Work Hygienic Practices: Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Promptly remove soiled clothing/wash thoroughly before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|-------------------------------|------------------------------|
| Physical State | : Liquid |
| Odor | : Ketone |
| Odor Threshold | : No data available. |
| Appearance | : Clear |
| Color | : Colourless |
| pH | : No data available. |
| % Volatiles | : 100 % w/w |
| Flash Point and Method | : -18°C Setaflash Closed Cup |
| Flammable Limits | : 1.0 to 12.8 |

Notes: Based on data for acetone.

Autoignition Temperature : 480°C

Notes: Based on data for acetone.

| | |
|---|--|
| Vapor Pressure | : 24 kPa (184 mm Hg) [Acetone] at 20°C |
| Vapor Density | : > 1 (air = 1) |
| Boiling Point | : 56 °C (Acetone) |
| Freezing Point | : No data available. |
| Melting Point | : No data available. |
| Solubility in Water | : Partial |
| Evaporation Rate (n-butyl acetate = 1) | : > 1 |
| Density | : 1.02±0.01g/ml at 20°C |
| Viscosity | : < 10 cps at 25°C |
| VOC Content | : 205 g/l (1.7 lb/gal); 20% w/w |
| Oxidizing Properties | : None |

Comments:

VOC Compliance Statement

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| | |
|---|---|
| Total Volatiles: | 100% w/w (< 1025 g/l) |
| VOC Content: | Total Material: 205 g/l (1.7 lb/gal) 20% w/w |
| Density: | 1.020 ± 0.005 g/ml |
| Exempt Content: | 80% w/w [PCBTF, acetone] |
| VOC Regulation: | Consumer Product Regulations - USA |
| Product Category: | Paint Thinner, non-aerosol |
| Restrictions from Sale: | Yes |
| The product VOC content does not meet the current 3% w/w limit for Paint Thinner, non-aerosol. | |
| Not for sale in the following USA states: CA, CT, DE, MD, NH and UT | |
| Check your area for compliance before using this product. | |

10. STABILITY AND REACTIVITY

Reactive Hazard : No

Hazardous Polymerization: Not expected to occur.

Stability: Stable.

Conditions to Avoid: Keep away from flames and incompatible materials. Keep away from flames and any object that sparks.

Possibility of Hazardous Reactions: No data available.

Hazardous Decomposition Products: Carbon Monoxide and other toxic vapors.

Incompatible Materials: Oxidizing materials.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

| Chemical Name | Oral LD ₅₀ mg/kg(rat) | Dermal LD ₅₀ mg/kg (rabbit) | Inhalation LC ₅₀ mg/l |
|--------------------------|-------------------------------------|--|---|
| p-Chlorobenzotrifluoride | > 6700 13,000 11,500 | > 2000 | 33.0(rat;4h) 22.0(rat;4h) 20.0(mouse) |
| Acetone | 8400 5250(mouse) 5300(rabbit) | >15,700 | 50.1(rat;8h) 44.0(mouse;4h) |
| n-Butyl acetate | 13,100(rat) 11,000(rat) | >14,400 | >45.0(rat;4h) |

Acute Toxicity - Dermal LD₅₀: Based on available ingredient data, the classification criteria for Acute Dermal Toxicity are not met for this mixture. The calculated ATE is >2000 mg/kg.

Acute Toxicity - Oral LD₅₀: Based on available ingredient data, the classification criteria for Acute Oral Toxicity are not met for this mixture. The calculated ATE is >2000 mg/kg.

Acute Toxicity - Inhalation LC₅₀: Based on available ingredient data, the classification criteria for Acute Toxicity - inhalation are not met for this mixture. The calculated ATE is >20 mg/l/4h (vapours) and >5 mg/l/4h (mists). High vapor concentrations may be harmful if inhaled. Excessive vapor concentrations are attainable.

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Saturated vapors can be encountered in confined spaces and/or under conditions of poor ventilation.

Notes: < 5% of the mixture consists of an ingredient or ingredients of unknown acute toxicity.
No additional toxicology information is available for this product itself. (See Component Toxicity Information).

Skin Irritation / Corrosion: Contains: p-Chlorobenzotrifluoride. Causes skin irritation. The mixture is classified as: Skin Irritant, category 2, based on summation of ingredient data (>10% ingredients classified as skin irritant, category 2). Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

Eye Irritation / Serious Eye Damage: Contains: p-Chlorobenzotrifluoride and Acetone. Contact causes serious eye irritation. The mixture is classified as: Eye Irritant, category 2, based on summation of ingredient data (>10% ingredients classified as eye irritant, category 2). Liquid, aerosols and vapors of this product are irritating and can cause pain, tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes.

Respiratory / Skin Sensitizer: Based on available data, the classification criteria for respiratory sensitization are not met for this mixture (< 0.1% ingredients classified as a respiratory sensitizer, category 1 or sub-category 1A and < 1.0% ingredients classified as a respiratory sensitizer, sub-category 1B).
Based on available data, the classification criteria for skin sensitization are not met for this mixture (< 0.1% ingredients classified as a skin sensitizer, category 1 or sub-category 1A and < 1.0% ingredients classified as a skin sensitizer, sub-category 1B).

Germ Cell Mutagenicity: Based on available data, the classification criteria for Germ Cell Mutagenicity are not met for this mixture (< 0.1% ingredients classified as Germ Cell Mutagen, category 1A or 1B and < 1.0% ingredients classified as Germ Cell Mutagen, category 2).

Carcinogenicity

| Chemical Name | NTP status | IARC status | OSHA status | Other |
|--------------------------|------------|-------------|-------------|---------------|
| p-Chlorobenzotrifluoride | -- | -- | -- | -- |
| Acetone | -- | -- | -- | A4 (ACGIH) |
| n-Butyl acetate | -- | -- | -- | -- |

Notes: Based on available data, the classification criteria for Carcinogenicity are not met for this mixture (< 0.1% ingredients classified as a Carcinogen, category 1 or 2).

Reproductive Toxicity: Based on available data, the classification criteria for Reproductive Toxicity are not met for this mixture (< 0.1% ingredients classified as Reproductive Toxicity, category 1 or 2).

Specific Target Organ Toxicity - Single Exposure: The mixture is classified as: Specific Target Organ Toxicity - Single Exposure, category 3, based on summation of ingredient data using the applicable cut-off/concentration limits ($\geq 20\%$ summation of all ingredients classified as Specific Target Organ Toxicity - Single Exposure, category 3).

Contains: p-Chlorobenzotrifluoride. Prolonged or excessive inhalation may cause respiratory tract irritation. Vapour/mists at concentrations above the exposure limits can irritate (burning sensation) the mucous membranes in the respiratory tract.

Contains Acetone and n-Butyl acetate. High vapor concentrations may cause drowsiness. May cause headaches and dizziness.

Specific Target Organ Toxicity - Repeated Exposure: Based on available data, the classification criteria for Specific Target Organ Toxicity - Repeated Exposure are not met for this mixture (< 1.0% ingredients classified as Specific Target Organ Toxicity - Repeated Exposure, category 1 or 2).

Aspiration Hazard: Based on available data, the classification criteria for Aspiration Hazard are not met for this mixture (< 10% ingredients classified as an Aspiration Hazard, category 1 and/or mixture viscosity > 20.5 mm²/s at 40 °C).

12. ECOLOGICAL INFORMATION

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Environmental Data: No data available.

Ecotoxicological Information: No data available.

Bioaccumulation/Accumulation: No data available.

Distribution: No data available.

Aquatic Toxicity (Acute): No data available.

Chemical Fate Information: No data available.

13. DISPOSAL CONSIDERATIONS

Disposal Method: Comply with applicable local, state or international regulations concerning solid or hazardous waste disposal and/or container disposal. Do not discharge substance/product into sewer system.

Product Disposal: Empty containers retain product residue; observe all precautions for product. Decontaminate containers prior to disposal.

14. TRANSPORT INFORMATION

DOT (Department of Transportation)

Proper Shipping Name : PAINT RELATED MATERIAL

Primary Hazard Class/Division: 3

UN/NA Number : 1263

Packing Group : II

Other Shipping Information:

For products with an inner packaging < 5.0 L, this product may be shipped as a Limited Quantity.

Vessel (IMO/IMDG)

Shipping Name : PAINT RELATED MATERIAL

UN/NA Number : 1263

Primary Hazard Class/Division: 3

Packing Group : II

Marine Pollutant : None

Note: For products with an inner packaging < 5.0 L, this product may be shipped as a Limited Quantity.

Canadian Transportation of Dangerous Goods Regulations

Shipping Name : PAINT RELATED MATERIAL

UN/NA Number : 1263

Primary Hazard Class/Division: 3

Packing Group : II

TDG Note:

For products with an inner packaging < 5.0 L, this component may be shipped as a Limited Quantity as per TDG Section 1.17.

15. REGULATORY INFORMATION

UNITED STATES

SARA Section 311/312 Hazard Categories

311/312 Health Hazards: Eye Irritation, Narcotic Effects, Respiratory Tract Irritation, Skin Irritation

311/312 Physical Hazards: Flammable Liquids

Fire Hazard : Yes
Sudden Release of Pressure : No
Reactive Hazard : No
Product Acute Toxicity : Yes
Product Chronic Toxicity : Yes

EPCRA Section 313 Toxic Chemicals:

This product does not contain any listed toxic chemicals that exceed the threshold reporting levels established by SARA Title III, Section 313.

EPCRA Section 302 Extremely Hazardous Substances

EPCRA Status:

This product contains no listed extremely hazardous substances that are subject to the reporting requirements of SARA Title III, Section 302.

CERCLA Hazardous Substances and Reportable Quantities (RQ)

| Chemical Name | Wt.% | RQ |
|-----------------|---------|-------|
| Acetone | 28 - 32 | 5,000 |
| n-Butyl acetate | 19 - 21 | 5,000 |

TSCA (The Toxic Substances Control Act)

TSCA Status:

All components are included or are otherwise exempt from inclusion on this inventory.

CAA 112(b) - Hazardous Air Pollutants

CAA 112(r) - List of Substances for Accidental Release Prevention:

This product contains no chemicals subject to CAA 112(b) or CAA 112(r).

California Proposition 65:

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

OSHA Hazard Communication Standard (29 CFR 1910.1200):

OSHA Status: Hazardous Product (See Section 2 for details).

This product has been classified in accordance with the hazard criteria of the USA OSHA Hazard Communication Standard (29CFR 1910.1200) and the Safety Data Sheet contains all the information required by the OSHA Hazard Communication Standard (HazCom 2012).

CANADA

WHMIS Hazard Symbol and Classification

See Section 2 for details.

WHMIS Regulatory Status:

This product has been classified in accordance with the hazard criteria of the Canadian Hazardous Products Regulations and the Safety Data Sheet contains all the information required by the Hazardous Products Regulations (WHMIS 2015).

WHMIS Classification:

WHMIS 2015 (Canada) Status: Hazardous Product (See Section 2 for details).

CEPA - National Pollutant Release Inventory (NPRI):

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| Name | CAS No. | NPRI Part No. |
|-----------------|----------|---------------|
| n-Butyl acetate | 123-86-4 | 5 (VOC) |

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL):

All components are included or are otherwise exempt from inclusion on this inventory.

Comments VOC Content -- See section 9.

16. OTHER INFORMATION

Reason for Issue: NEW

Approved By: Jim Gordon **Title:** R&D Chemist

Prepared By : Regulatory Compliance

Date Revised: 05/24/2018

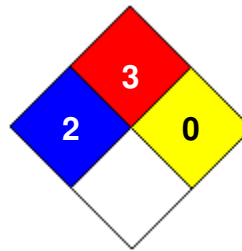
Information Contact: 905-670-5411

Revision Summary: This MSDS replaces the 08/28/2017 MSDS. Revised: **Section 9:** Comments. **Section 11:** Product Acute Toxicity - Inhalation LC₅₀ mg/l . **Section 15:** California Proposition 65.

HMIS RATING

| | | |
|----------------------------|---|----------|
| HEALTH | * | 2 |
| FLAMMABILITY | | 3 |
| PHYSICAL HAZARD | | 0 |
| PERSONAL PROTECTION | | G |

NFPA CODES



NFPA 30 / 30B Storage Classification: Flammable Liquid IB

Manufacturer Supplemental Notes: None

Data Sources: Not Available

Additional SDS Information:

N/AV Not Available

N/AP Not Applicable

ND Not yet determined

ACGIH American Conference of Governmental Industrial Hygienists

CAA The Clean Air Act

CCCR The Consumer Chemicals and Containers Regulations

CEPA The Canadian Environmental Protection Act

CERCLA Comprehensive Environmental Response, Compensation, and Liability Act

EPCRA The Emergency Planning and Community Right-To-Know Act

IARC International Agency for Research on Cancer

MSHA Mine Safety and Health Administration

NIOSH National Institute for Occupational Safety and Health

NTP National Toxicology Program

OSHA The Occupational Safety and Health Administration

SARA The Superfund Amendments and Reauthorization Act

WHMIS Workplace Hazardous Materials Information System

General Statements: None

Comments: None

Manufacturer Disclaimer: The information contained herein is based on data considered accurate. No warranty

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is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. No responsibility is assumed for personal injury or property damage to vendees or users or third parties, caused by the material. Such vendees or users assume all risks with the use of this material.