

Safety Data Sheet

Product identifier used on the label: -25 RX DEICER BUG 6/1GL

Product Code: RB6M256P

Revision Date: 05-03-2024

Replaces: 02-05-2024

1. Identification

Product identifier used on the label: -25 RX DEICER BUG 6/1GL

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Other means of identification:

Other means of identification:

Synonyms: No data available

Recommended use of the chemical and restrictions on use:

Recommended use: Windshield Wash

Restrictions on use: Uses other than those described above

Name, address, and telephone number
of the chemical manufacturer,
importer, or other responsible party:

Highline Warren LLC

8700 Trail Lake Drive West

Suite 300

Memphis, TN 38125

Phone number: +01 (901) 437-8615

E-mail address: sds@highlinewarren.com

Emergency phone number: CHEMTREC: +1 (800) 424-9300 International: +01 (703) 527-3887

2. Hazard(s) identification

Classification of the chemical in accordance with paragraph (d) of §1910.1200:

GHS Hazard
Symbols:



GHS Classification: Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 1

Flammable Liquid Category 3

Acute Toxicity - Inhalation Vapor Category 3

Acute Toxicity - Dermal Category 3

Acute Toxicity - Oral Category 3

Signal Word: Danger

Hazard Statements: Flammable liquid and vapor; Toxic if swallowed, in contact with skin or if

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inhaled; Causes damage to organs

Precautionary Statements:

Prevention:

Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.

Response:

If swallowed: Immediately call a poison center/doctor. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. Specific treatment (see Sections 4 - 8 of Safety Data Sheet). Rinse mouth. Take off immediately all contaminated clothing and wash it before reuse. In case of fire: Use an appropriate extinguisher (see section 5) to extinguish.

Storage:

Keep container tightly closed.

Disposal:

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

Hazards not otherwise classified:

No data available

3. Composition/information on ingredients

Chemical Name	Common name and synonyms	CAS #	%
Methanol	No data available	67-56-1	15 - 40
Ethylene glycol mono-n-butyl ether	No data available	111-76-2	0.5 - 1

4. First-aid measures

Description of necessary measures, subdivided according to the different routes of exposure, i.e., inhalation, skin and eye contact, and ingestion:

Inhalation:

If inhaled: Remove person to fresh air and keep comfortable for breathing.

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Eye Contact:	Immediately flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention and monitor the eye daily as advised by your physician.
Skin Contact:	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Specific treatment (see Sections 4 - 8 of Safety Data Sheet). Wash contaminated clothing before reuse.
Ingestion:	If swallowed: Immediately call a poison center/doctor. Rinse mouth.
Most important symptoms/effects, acute and delayed:	Impaired vision. Muscle pains. Temporary or permanent blindness. Systemic effects similar to those resulting from ingestion. Mental confusion. Coughing. Drowsiness. Dizziness. Headache. Nausea Vomiting.
Indication of immediate medical attention and special treatment needed, if necessary:	Specific treatment (see Sections 4 - 8 of Safety Data Sheet).

5. Fire-fighting measures

Suitable (and unsuitable) extinguishing media:

Suitable extinguishing media: Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water may be ineffective but water spray can be used to extinguish a fire if swept across the base of the flames. Water can absorb heat and keep exposed material from being damaged by fire.

Unsuitable extinguishing media: No data available

Specific hazards arising from the chemical: Vapors may be ignited by sparks, flames or other sources of ignition if material is above the flash point giving rise to a fire (Class B). Vapors are heavier than air and may travel to a source of ignition and flash back.

Hazardous combustion products: Carbon monoxide, Formaldehyde

Special protective equipment and precautions for fire-fighters: In case of fire: Use an appropriate extinguisher (see section 5) to extinguish.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Exposure to the spilled material may be severely irritating or toxic. Follow personal protective equipment recommendations found in Section 8 of this SDS. Personal protective equipment needs must be evaluated based

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on the special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred, and the expertise of employees in the area responding to the spill. Never exceed any occupational exposure limits. Evaporation of volatile substances can lead to the displacement of air creating an environment that can cause asphyxiation.

Methods and materials for containment and cleaning up:

Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material. Gather and store in a sealed container pending a waste disposal evaluation. Shut off ignition sources; including electrical equipment and flames. Do not allow smoking in the area.

7. Handling and storage

Precautions for safe handling:

Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting/ equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

Conditions for safe storage, including any incompatibilities:

Safe storage conditions:

Store in a well-ventilated place. Keep cool. Store locked up. Keep container tightly closed.

Materials to Avoid/Chemical Incompatibility:

Strong oxidizing agents, Strong acids, Peroxides, Hypochlorites, Acetic anhydride, Caustics (bases)

8. Exposure controls/personal protection

OSHA permissible exposure limit (PEL), American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV), and any other exposure limit used or recommended by the chemical manufacturer, importer, or employer preparing the safety data sheet, where available:

Chemical component	OSHA PEL	ACGIH TLV	ACGIH STEL	IDLH	US WEEL
Methanol	200 ppm TWA; 260 mg/m3 TWA	200 ppm TWA	250 ppm STEL	6000 ppm IDLH	No data available
Ethylene glycol mono-n-butyl ether	50 ppm TWA; 240 mg/m3 TWA	20 ppm TWA	No STEL	700 ppm IDLH	No data available

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Appropriate engineering controls: Use only outdoors or in a well-ventilated area. Local exhaust ventilation or other engineering controls are normally required when handling or using this product to avoid overexposure.

Individual protection measures, such as personal protective equipment:

Respiratory Protection: Do not breathe dust/fume/gas/mist/vapors/spray.

Respirator Type(s): If airborne concentrations are above the applicable exposure limits, use NIOSH/MSHA approved respiratory protection. A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Eye protection: Wear chemically resistant safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Do not wear contact lenses. Have an eye wash station available. An eye wash station must be available where this product is used.

Skin protection: Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

Gloves: Butyl rubber, Polyethylene, Polyvinylalcohol

Other protective equipment: An eye wash station must be available where this product is used.

General hygiene conditions: Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands thoroughly after handling.

9. Physical and chemical properties

Appearance (physical state, color etc.):

Physical state: Liquid

Color: Orange

Odor: Mild Alcohol

Odor Threshold: Not determined

pH: No data available

Melting point/freezing point:

Melting Point: No data available

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Freezing point:	No data available
Initial boiling point and boiling range (°C):	No data available
Flash Point (°C):	32
Evaporation Rate:	No data available
Flammability (solid, gas):	No data available
Upper/lower flammability or explosive limits:	
Upper flammability or explosive limits:	Not established
Lower flammability or explosive limits:	Not established
Vapor pressure:	No data available
Vapor density:	4.1
Relative density:	0.94
Solubility(ies):	Not determined
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Decomposition Temperature:	Not determined
Viscosity:	No data available

10. Stability and reactivity

Reactivity:	There are no known reactivity hazards associated with this product.
Chemical stability:	Stable under normal conditions.
Possibility of hazardous reactions:	None expected under standard conditions of storage.
Conditions to avoid (e.g., static discharge, shock, or vibration):	Sparks, open flame, other ignition sources, and elevated temperatures. Visible light
Incompatible materials:	Strong oxidizing agents, Strong acids, Peroxides, Hypochlorites, Acetic anhydride, Caustics (bases)
Hazardous decomposition products:	Carbon monoxide, Formaldehyde

11. Toxicological information

Description of the various toxicological (health) effects and the available data used to identify those effects:

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Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact):

Ingestion, Absorption, Inhalation, Skin contact

Symptoms related to the physical, chemical and toxicological characteristics:

Impaired vision. Muscle pains. Temporary or permanent blindness. Systemic effects similar to those resulting from ingestion. Mental confusion. Coughing. Drowsiness. Dizziness. Headache. Nausea Vomiting.

Delayed and immediate effects and also chronic effects from short- and long-term exposure:

Ingestion:

Toxic if swallowed

Skin Contact:

Toxic in contact with skin

Inhalation:

Toxic if inhaled.

Eye Contact:

The material is likely to be moderately irritating to eyes based on animal data. Contact with the eyes may cause moderate to severe eye injury. Eye contact may result in tearing and reddening, but not likely to permanently injure eye tissue. Temporary vision impairment (cloudy or blurred vision) is possible.

Sensitization:

Non-hazardous under Respiratory Sensitization category.

Mutagenicity:

No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.

Carcinogenicity:

None of the substances have been shown to cause cancer in long term animal studies. Not a carcinogen according to NTP, IARC, or OSHA.

Reproductive toxicity

Contains a substance(s) that is a possible reproductive system hazard based on high dose tests with laboratory animals. Possible reproductive hazard.

STOT-single exposure:

Classification has been based on toxicological information of the components in Section 3.

STOT-repeated exposure:

Based on available data, the classification criteria are not met.

Aspiration hazard:

Based on available data, the classification criteria are not met.

Other information:

None known.

Numerical measures of toxicity (such as acute toxicity estimates)

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Ethylene glycol mono-n-butyl ether	Oral LD50 Rat 470 mg/kg	Dermal LD50 Rabbit 435 mg/kg	Inhalation LC50 (4h) Rat 450 ppm Inhalation LC50 (4h) Rat

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			486 ppm
Methanol	Oral LD50 Rat 6200 mg/kg	Dermal LD50 Rabbit 15800 mg/kg	Inhalation LC50 (8h) Rat 22500 ppm

Classification has been based on toxicological information of the components in Section 3.

Is the hazardous chemical listed in the National Toxicology Program (NTP) Report on Carcinogens (latest edition) or has been found to be a potential carcinogen in the International Agency for Research on Cancer (IARC) Monographs (latest edition), or by OSHA:

Chemical Name	OSHA Carcinogen	IARC Carcinogen	NTP Carcinogen
There are no components that are known or reported to cause cancer.			

12. Ecological information

Ecotoxicity (aquatic and terrestrial, where available):

Moderate ecological hazard. This product may be dangerous to plants and/or wildlife.

Ecological Toxicity Data:

Chemical Name	CAS #	Aquatic EC50 Crustacea	Aquatic ERC50 Algae	Aquatic LC50 Fish
Ethylene glycol mono-n-butyl ether	111-76-2	EC50 (48h) Daphnia magna > 1000 mg/L	No data available	LC50 (96h) Lepomis macrochirus (Bluegill) 2950 mg/L LC50 (96h) Lepomis macrochirus (Bluegill) 1490 mg/L
Methanol	67-56-1	No data available	No data available	LC50 (96h) Lepomis macrochirus (Bluegill) 13500 - 17600 mg/L LC50 (96h) Rainbow Trout 18 - 20 ml/l LC50 (96h) Rainbow Trout 19500 - 20700 mg/L LC50 (96h)

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				Pimephales promelas (Fathead Minnow) > 100 mg/L LC50 (96h) Pimephales promelas (Fathead Minnow) 28200 mg/L
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Persistence and degradability: Biodegrades quickly.

Bioaccumulative potential: Bioconcentration is not expected to occur.

Mobility in soil: This material is expected to have very high mobility in soil. It does not absorb to most soil types. This material is expected to evaporate quickly from surface soils and/or waters.

Other adverse effects (such as hazardous to the ozone layer): None known.

13. Disposal considerations

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging: Dispose of contents and container in accordance with local/regional/national/international regulations.

Waste codes / waste designations: D001

Contaminated packaging: Containers of this material may be hazardous when emptied.

14. Transport information

Carriage of dangerous goods by road (DOT), rail or inland waterways:

Exception: UN1993, FLAMMABLE LIQUID, N.O.S. (METHANOL), 3, III, LIMITED QUANTITY

International carriage of dangerous goods by sea (IMDG/IMO):

UN number: UN1993

UN Proper shipping name: FLAMMABLE LIQUIDS, N.O.S

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Technical Name: METHANOL
Transport hazard class(es): 3
Packing group, if applicable: III
Exception: LTD QTY
EMS#: F-E, S-E

International carriage of dangerous goods by air (IATA):

UN number: UN1993
UN Proper shipping name: FLAMMABLE LIQUIDS, N.O.S
Technical Name: METHANOL
Transport hazard class(es): 3
Packing group, if applicable: III
Exception: LTD QTY

Environmental hazards (e.g., Marine pollutant (Yes/No)): None.

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): No data available

Special precautions which a user needs to be aware of or needs to comply with in connection with transport or conveyance either within or outside their premises: No data available

15. Regulatory information

Safety, health and environmental regulations specific for the product in question:

TSCA Status: All components of this material are on the Active US TSCA Inventory or are exempt.

Regulated Components:

Chemical Name	CAS #	CERCLA	Sara EHS	Sara 313	U.S. HAP
Methanol	67-56-1	Y	N	Y	Y
Ethylene glycol mono-n-butyl ether	111-76-2	N	N	N	N

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Chemical Name	CAS #	California Prop 65 - Cancer	California Prop 65 - Dev. Toxicity	California Prop 65 - Reprod fem	California Prop 65 - Reprod male
Methanol	67-56-1	N	Y	N	N
Ethylene glycol mono-n-butyl ether	111-76-2	N	N	N	N

California Prop 65

WARNING: This product can expose you to methanol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Chemical Name	CAS #	Massachusetts RTK List	New Jersey RTK List	Pennsylvania RTK List	Rhode Island RTK List	Minnesota Hazardous Substance List
Methanol	67-56-1	Y	Y	Y	N	Y
Ethylene glycol mono-n-butyl ether	111-76-2	Y	Y	Y	N	Y

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

SDS Prepared by:

EHUGHES

Revision Date:

05-03-2024

Revision Number:

10

Reason for revision:

Activated by Document Formulation Generation

References:

No data available

Other Info:

No data available

Disclaimer:

This safety data sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in the data sheet which we have received from outside sources and we believe the information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product in a safe manner and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.

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