



Hinge

Safety Data Sheet

US
Revision date: November 29, 2015

Version: 1.0

SECTION 1: Product and Company Identification

1.1. Product identifier

Trade name : Hinge
EPA Reg. No. : 83100-40-83979

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

Use of the substance/preparation : Herbicide

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Rotam North America, Inc.
4900 Koger Blvd. Suite# 140
Greensboro, NC 27407
Phone: 1-(866) 927-6826 (toll free); 1-305-599-2221
msds@rotam.com

1.4. Emergency telephone number

Emergency number : (800)-424-9300 (CHEMTREC)
(800)-222-1222 (National Poison Information Center)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

<u>Hazard Class</u>	<u>Category</u>	<u>Hazard Statement</u>
Aquatic Toxicity (Chronic)	2	H411


Full text of H-phrases: see table in "Label elements" below

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

GHS Labeling Elements

Hazard pictograms : 
GHS09

Signal word : WARNING

Hinge

Safety Data Sheet

Hazard statements	: H411 – Toxic to aquatic life with long lasting effects
Precautionary statements (Prevention)	: P273 – Avoid release to the environment
Precautionary statements (Response)	: P391 – Collect spillage
Precautionary statements (disposal)	: P501 – Dispose of contents/containers in accordance with local/regional/national/international regulations

SECTION 3: Composition/information on ingredients

Name	Product identifier	%/wt.
Rimsulfuron	(CAS No.) 122931-48-0	25
Other Ingredients	NA	75

SECTION 4: First aid measures

4.1. Description of first aid measures

IF INHALED	: Move to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for treatment advice.
IF ON SKIN OR CLOTHING	: Take off contaminated clothing. Rinse skin with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
IF IN EYES	: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call poison control center or doctor for treatment advice if irritation develops or persists.
IF SWALLOWED	: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything by mouth to an unconscious person
First-aid measures – general	Have the product container or label with you when calling a poison control center or doctor, or going for treatment. See Label for Additional Precautions and Directions for Use.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Product not readily flammable or ignitable. If there is a fire in the area, cool containers with water to avoid overheating or rupture. For dried material, use foam, water spray, dry chemical or carbon dioxide.
Unsuitable extinguishing media	: High volume water jet. (Water contamination risk from runoff)

Hinge

Safety Data Sheet

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Thermal decomposition may produce toxic or irritating gases.
Explosion hazard : Product is not explosive.
Reactivity : The product is stable at normal handling and storage conditions.

5.3. Advice for firefighters

- Firefighting instructions : Prevent runoff from entering drains, sewers or waterways. To fight large fires, wear full protective clothing and NIOSH approved self-contained breathing apparatus with full-face piece operated in the positive pressure/demand mode. Full firefighting turnout gear (bunker gear): Any air respirator supplied with full face piece and operated in a pressure-demand or other positive pressure mode in combination with a separate escape supply. Any self-contained breathing apparatus with a full face piece.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Wear appropriate personal protective equipment (PPE): Eye and face protection, coveralls, gloves, boots. Avoid dusty conditions during cleanup. Put in appropriate container and dispose according to Local, State or Federal regulations. Keep spills away from entering sewers, waterways or low areas. After spill cleanup, flush the area with water. Read label.

6.1.1. For non-emergency personnel

- Protective equipment : Wear appropriate personal protective equipment (PPE): Eye and face protection, coveralls, gloves, boots.
Emergency procedures : Avoid contact with spilled material

6.1.2. For emergency responders

- Protective equipment : Wear appropriate personal protective equipment (PPE): Eye and face protection, coveralls, gloves, boots.

6.2. Environmental precautions

Prevent material from entering sewers, waterways, or low areas. Do not allow material to contaminate water systems.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Ventilate air. Cleanup personnel require protective clothing and respiratory protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove personal protective equipment immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing. Remove clothing/PPE immediately if material gets inside. Wash thoroughly and put on clean clothing.

Hinge

Safety Data Sheet

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in original container. Store in a cool, dry place. Keep separated from incompatible substances. Store in a cool and well-ventilated room. Keep out of the reach of children.

SECTION 8: Exposure controls/personal protection

8.1. Personal protective equipment

Eye/Face Protection: To avoid contact with eyes, wear safety glasses with side shields. An emergency eyewash or water supply should be readily accessible to the work area.

Skin Protection: To avoid contact with skin, wear long pants, long-sleeved shirt, socks, shoes and chemical-resistant gloves. An emergency shower or water supply should be readily accessible to the work area.

Respiratory Protection: Not normally required. If dusts, vapors or mists exceed acceptable levels, wear NIOSH approved air-purifying respirator with cartridges/canisters approved for use against pesticides.

General Hygiene Considerations: Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material: 1) do not store, use and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored; 2) wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics or using the toilet.

8.2. Exposure controls

Exposure limits have not been established for Rimsulfuron. Use with adequate ventilation.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid (granules)
Color	: Light brown color
Odor	: Mild odor
Odor threshold	: No data available
pH (1%)	: 6.7
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: Not applicable
Self-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Non- flammable
Vapor pressure	: 0

Hinge

Safety Data Sheet

Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Density/bulk density	: ~0.6 g/mL at 20 °C (tapped)
Solubility	: Soluble in water
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: Not applicable
Explosive properties	: Not explosive
Oxidizing properties	: No oxidizing properties
Explosive limits	: Not applicable

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is stable at normal handling and storage conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Protect from heat.

10.5. Incompatible materials

Oxidizers

10.6. Hazardous decomposition products

Thermal decomposition may give off toxic or irritating gases.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Hinge	
LD50 oral rat	>5000 mg/kg
LD50 dermal rabbit	> 5000 mg/kg
LC50 inhalation rat (4 h)	>5 mg/L

Irritation	: Skin – Not an irritant. Eye – Not an irritant.
Corrosivity	: Not corrosive to eyes or skin
Sensitization	: Not classified as a sensitizer per GHS criteria

Hinge

Safety Data Sheet

Repeated dose toxicity	: Repeated exposure to Rimsulfuron at levels significantly exceeding those expected under labeled usage conditions may cause altered blood chemistry, liver changes and organ weight changes.
Carcinogenicity	: Not classified as a carcinogen.
Mutagenicity	: Rimsulfuron does not demonstrate mutagenic effects.
Toxicity for reproduction	: Rimsulfuron does not interfere with fertility in reproduction studies in laboratory animals

SECTION 12: Ecological information

12.1. Toxicity

Rimsulfuron	
Fish (Bluegill and Rainbow Trout 96 hr.)	LC50: >390 mg/L
Daphnia (48 hr.)	EC50: >360 mg/L
Green algae (120 hr.)	EbC50: 1.6 mg/L

Rimsulfuron is expected to be toxic to aquatic life with long lasting effects.

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirement of a National Pollutant Discharge Elimination System (NPDES) permit and permitting authority has been notified in writing prior to the discharge. Do not discharge effluent containing the product to sewer system without previously notifying the local sewage treatment plant authority. For guidance contact your local state water board or regional office of the EPA.

12.2. Persistence and degradability

Product is not readily biodegradable.

12.3. Bioaccumulative potential

Does not bioaccumulate.

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Pesticide disposal: Wastes resulting from using this product may be disposed of on-site or at an approved waste disposal facility. If these wastes cannot be disposed of according to label instructions, contact your state pesticide agency or environmental control agency, or the Hazardous Waste representatives at the nearest EPA Regional Office for guidance.

Container disposal (Contaminated packaging material should be treated as the product. See label for proper disposal methods):

[FOR NON-REFILLABLE CONTAINERS LESS THAN 5 GALLONS:]

Non-refillable container: Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container $\frac{1}{4}$ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or

Hinge

Safety Data Sheet

disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

See label for additional container disposal methods.

SECTION 14: Transport information

Ground transport

Not Regulated by US DOT

Not Regulated by Canadian TDG

Transport by sea (IMDG)

UN3077; ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Rimsulfuron); 9; III

Air transport (IATA)

UN3077; ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Rimsulfuron); 9; III

Additional Air, Sea and International Transportation Information

UN-No.	: 3077
Proper Shipping Name	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.(Rimsulfuron)
Transport document description	: UN3077; ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Rimsulfuron); 9; III
Class (UN)	: 9
Hazard labels (UN)	: 9



Packing group (UN)	: III
Marine Pollutant (Y/N)	: Y
Dangerous for the environment	:



SECTION 15: Regulatory information

FIFRA Information:

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

Signal word	: CAUTION
Hazard statements	: Harmful if swallowed. Harmful if absorbed through skin.
Precautionary statements	: Avoid contact with skin, eyes or clothing. Avoid breathing dust. Wash thoroughly with soap and water after handling and before eating,

Hinge

Safety Data Sheet

drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

SARA 313 Regulated Chemical(s): Not applicable

Title III hazard classification:

Acute Health Hazard: Yes

Chronic Health Hazard: No

Fire: No

Reactivity/Physical hazard: No

Pressure: No

CERCLA/DOT Reportable Quantities (RQ)

Not applicable

Canadian Regulatory Information:

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR. WHMIS Classification: D2B – Toxic

SECTION 16: Other information

NFPA: Health: 2; Flammability: 0; Reactivity: 0; Specific:
HMIS: Health: 2; Flammability: 0; Physical Hazard: 0; PPE: E

SDS US

Disclaimer: The information provided by Rotam North America, Inc. contained herein is given in good faith and correct to the best of our knowledge. However, the information given is designed only as guidance for safe handling, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification.