



Issue Date 16-Jul-2017

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Version 1

1. IDENTIFICATION		
Product identifier Product Name	Rimsulfuron 18.4% + Thifensulfuron 4.0% WG	
Other means of identification Product Code Synonyms Registration Number(s)	83100-54 None 83100-54	
Recommended use of the chemical Recommended Use Uses advised against	<u>and restrictions on use</u> Herbicide No information available	
Details of the supplier of the safety Manufacturer Address Rotam Agrochemical Company Ltd. 26/F, E-Trade Plaza 24 Lee Chung Street Chaiwan, Hong Kong Website: msds@rotam.com	<u>data sheet</u>	
Emergency telephone number Company Phone Number	1-866-927-6826 (toll free) 1-336-346-8802	
Emergency Telephone	CHEMTREC: 800-424-9300 CHEMTREC: 703-527-3887 POISON CONTROL CENTER: 800-222-1222 NPIC: 1-800-858-7378	
	2. HAZARDS IDENTIFICATION	
Classification OSHA Regulatory Status This chemical is not considered hazar Label elements	dous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)	
	Emergency Overview	

The product contains no substances which at their given concentration, are considered to be hazardous to health

**Appearance** dry, free flowing granules

Physical state Solid

Odor Slight Characteristic

# Hazards not otherwise classified (HNOC)

Not applicable

#### Other Information

Mild eye irritation. Repeated or prolonged contact may cause allergic reactions in very susceptible persons. Toxic to aquatic life with long lasting effects. Toxic to aquatic life.

#### Unknown acute toxicity

< 10% of the mixture consists of ingredient(s) of unknown toxicity

# **3. COMPOSITION/INFORMATION ON INGREDIENTS**

# Substance

Not applicable

## Mixture

Chemical Name	CAS No	Weight-%
Talc *	14807-96-6	30 - 60
Rimsulfuron *	122931-48-0	18.4
Other ingredients *	Proprietary	32.0
Thifensulfuron-methyl *	79277-27-3	4.0

\*The exact percentage (concentration) of composition has been withheld as a trade secret. If CAS number is "proprietary", the specific chemical identity and percentage of composition has been withheld as a trade secret.

# **4. FIRST AID MEASURES**

#### **Description of first aid measures**

General advice	Call a poison control center or doctor for treatment advice. Have the product containers or label with you when calling a poison control center or doctor, or going for treatment.	
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison control center or doctor for treatment advice.	
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. If skin irritation persists, call a physician. Call a poison control center or doctor for treatment advice.	
Inhalation	Move victim to fresh air. If breathing is irregular or stopped, administer artificial respiration. Call a physician or poison control center immediately. Call a poison control center or doctor for treatment advice.	
Ingestion	Call a physician or poison control center immediately. Drink 1 or 2 glasses of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.	
Self-protection of the first aider	Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.	
Most important symptoms and effe	ects, both acute and delayed	
Symptoms	May cause redness and tearing of the eyes.	
Indication of any immediate medical attention and special treatment needed		
Note to physicians	Treat symptomatically.	
5. FIRE-FIGHTING MEASURES		

# Suitable extinguishing media

Dry chemical, CO2, water spray or regular foam. Move containers from fire area if you can do it without risk. Dike fire-control water for later disposal. Water spray, fog or regular foam.

Unsuitable extinguishing media None.

<u>Specific hazards arising from the chemical</u> Thermal decomposition can lead to release of irritating and toxic gases and vapors.

Hazardous combustion products Carbon oxides. Nitrogen oxides (NOx). Oxides of sulfur.

Explosion data Sensitivity to Mechanical Impact None. Sensitivity to Static Discharge None.

# Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool containers / tanks with water spray.

	6. ACCIDENTAL RELEASE MEASURES	
Personal precautions, protective	e equipment and emergency procedures	
Personal precautions	Evacuate personnel to safe areas. Ensure adequate ventilation, especially in confined areas. Use personal protective equipment as required. Avoid creating dust.	
For emergency responders	Use personal protection recommended in Section 8. Ventilate the area.	
Environmental precautions		
Environmental precautions	Prevent entry into waterways, sewers, basements or confined areas.	
Methods and material for contai	nment and cleaning up	
Methods for containment	Prevent dust cloud. Prevent further leakage or spillage if safe to do so.	
Methods for cleaning up	Avoid creating dust. Do not dry sweep dust. Wet dust with water before sweeping or use vacuum to collect dust. Sweep up and shovel into suitable containers for disposal.	
	7. HANDLING AND STORAGE	
Precautions for safe handling		
Advice on safe handling	Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Do not breathe dust/fume/gas/mist/vapors/spray.	
Conditions for safe storage, incl	luding any incompatibilities	
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep away from food, drink and animal feeding stuffs. Keep in properly labeled containers.	
Packaging materials	Do not reuse container.	
Incompatible materials	Strong oxidizing agents.	

# 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

# Control parameters

# Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Talc	TWA: 2 mg/m <sup>3</sup> particulate matter	TWA: 20 mppcf if 1% Quartz or	IDLH: 1000 mg/m <sup>3</sup>
14807-96-6	containing no asbestos and <1% crystalline silica, respirable fraction	more, use Quartz limit	TWA: 2 mg/m <sup>3</sup> containing no Asbestos and <1% Quartz
	· ,···		respirable dust

NIOSH IDLH Immediately Dangerous to Life or Health

#### Appropriate engineering controls

**Engineering Controls** 

Ensure adequate ventilation, especially in confined areas. And. Showers. Eyewash stations. Ventilation systems.

# Individual protection measures, such as personal protective equipment

Eye/face protection	Wear safety glasses with side shields (or goggles).
Skin and body protection	Wear suitable protective clothing. Wear protective butyl rubber gloves. Protective shoes or boots.
Respiratory protection	Ensure adequate ventilation, especially in confined areas. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
General Hygiene Considerations	When using do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing is recommended. Avoid contact with skin, eyes or clothing. Wash hands thoroughly after handling. Keep away from food, drink and animal feeding stuffs. Wash contaminated clothing before reuse.

# 9. PHYSICAL AND CHEMICAL PROPERTIES

# Information on basic physical and chemical properties

Physical state Appearance Color	Solid dry, free flowing granules light brown	Odor Odor threshold	Slight Characteristic No information available
<u>Property</u> pH Melting point / freezing point Boiling point / boiling range Flash point Evaporation rate Flammability (solid, gas)	<u>Values</u> 6.19 No information available No information available Not applicable No information available No information available	Remarks • Method solution (1 %)	
Flammability Limit in Air Upper flammability limit: Lower flammability limit: Vapor pressure	No information available No information available 0 mmHg	@ 25 °C	
Vapor density Relative density Water solubility Solubility in other solvents Partition coefficient	No information available 0.77 - 0.86 g/cm3 dispersible No information available No information available		
Autoignition temperature Decomposition temperature Kinematic viscosity Dynamic viscosity Explosive properties Oxidizing properties	No information available No information available No information available No information available Not an explosive Not applicable		
Other Information			
Softening point Molecular weight VOC Content (%) Density Bulk density	No information available No information available No information available No information available No information available		

# **10. STABILITY AND REACTIVITY**

Reactivity No data available

# **Chemical stability**

Stable under recommended storage conditions.

# Possibility of Hazardous Reactions None under normal processing. Conditions to avoid Elevated Temperature. Storage near to reactive materials. Incompatible materials Strong oxidizing agents. Hazardous Decomposition Products Thermal decomposition can lead to release of irritating and toxic gases and vapors. Nitrogen oxides (NOx). Carbon oxides.

# **11. TOXICOLOGICAL INFORMATION**

# Information on likely routes of exposure

Product Information	Acute Oral LD50 (rat): >5000 mg/kg Acute Dermal LD50 (rabbit): > 5000 mg/kg Eye Irritation (rabbit): Not an irritant. Skin Irritation (rabbit): Not an irritant. Inhalation LC50 (rat): >4.432 mg/L (4 HR) Skin Sensitization (guinea pig): Not a sensitizer
Inhalation	Based on available data, the classification criteria are not met.
Eye contact	Based on available data, the classification criteria are not met.
Skin contact	Based on available data, the classification criteria are not met.
Ingestion	Based on available data, the classification criteria are not met.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Rimsulfuron 122931-48-0	> 5 g/kg (Rat)	-	= 5200 mg/m³ (Rat)4 h
Other ingredients	> 40 g/kg (Rat)	-	-
Thifensulfuron-methyl 79277-27-3	> 5 g/kg (Rat)	-	> 7900 mg/m³ (Rat)4 h

## Information on toxicological effects

Symptoms

May cause redness and tearing of the eyes.

# Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization	Based on ava	ilable data, the classificat	tion criteria are not met.	
Germ cell mutagenicity	Based on ava	ilable data, the classificat	tion criteria are not met.	
Carcinogenicity	Based on ava	ilable data, the classificat	tion criteria are not met.	
Chemical Name	ACGIH	IARC	NTP	OSHA
Talc 14807-96-6	-	Group 3	-	-
IARC (International Agency for Research on Cancer)         Not classifiable as a human carcinogen         Reproductive toxicity       Based on available data, the classification criteria are not met.         STOT - single exposure       Based on available data, the classification criteria are not met.         STOT - repeated exposure       Based on available data, the classification criteria are not met.				
Chronic toxicity Aspiration hazard <u>Numerical measures of t</u>		ilable data, the classificat	tion criteria are not met.	

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral)

1,560.00 mg/kg

# 12. ECOLOGICAL INFORMATION

#### Ecotoxicity Toxic to aquatic life with long lasting effects

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# 33.4 % of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Talc	-	100: 96 h Brachydanio rerio g/L	-
14807-96-6		LC50 semi-static	
Rimsulfuron	0.0046: 14 d L. minor mg/L EC50	-	-
122931-48-0			
Other ingredients	-	7300: 48 h Oncorhynchus mykiss	-
		mg/L LC50	
Pentasodium triphosphate	-	1650: 48 h Leuciscus idus mg/L	-
7758-29-4		LC50	
Tetrasodium EDTA tetrahydrate	1.01: 72 h Desmodesmus	41: 96 h Lepomis macrochirus mg/L	610: 24 h Daphnia magna mg/L
13235-36-4	subspicatus mg/L EC50	LC50 static 59.8: 96 h Pimephales	EC50
		promelas mg/L LC50 static	

# Persistence and degradability

Not readily biodegradable.

#### **Bioaccumulation**

Not likely to bioaccumulate.

Chemical Name	Partition coefficient
Rimsulfuron	0.288
122931-48-0	

# Other adverse effects

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT)

# **13. DISPOSAL CONSIDERATIONS**

	13. DISPOSAL CONSIDERATIONS					
<u>Waste treatment methods</u> Disposal of wastes Contaminated packaging	Pesticide wastes may be acutely hazardous. Improper disposal is a violation of federal law. Disposal should be in accordance with applicable regional, national and local laws and regulations. Contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance on proper disposal of waste product. Disposal should be in accordance with applicable regional, national and local laws and regulations. Consult product label for additional information. Do not reuse container.					
14. TRANSPORT INFORMATION						
<u>DOT</u>	Not regulated					
<u>TDG</u>	Not regulated					
IATA UN/ID no Proper shipping name Hazard Class Packing Group ERG Code Special Provisions Description	UN3077 Environmentally hazardous substance, solid, n.o.s. 9 III 9L A158, A179, A97, A197 UN3077, Environmentally hazardous substance, solid, n.o.s. (Thifensulfuron, Rimsulfuron), 9, III					
IMDG UN/ID no Proper shipping name Hazard Class Packing Group EmS-No Special Provisions Description	UN3077 Environmentally hazardous substance, solid, n.o.s. 9 III F-A, S-F 274, 335, 966, 967 UN3077, Environmentally hazardous substance, solid, n.o.s. (Thifensulfuron, Rimsulfuron), 9, III					

# **15. REGULATORY INFORMATION**

International Inventories	
TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

# Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

#### US Federal Regulations

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

# SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

#### CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

#### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

# US State Regulations

#### California Proposition 65

This product does not contain any Proposition 65 chemicals

## U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Talc 14807-96-6	Х	X	Х
Pentasodium triphosphate 7758-29-4	-	X	Х

#### **U.S. EPA Label Information**

EPA Pesticide Registration Number 83100-54

#### **EPA Statement**

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:

#### Difference between SDS and EPA Pesticide label

CAUTION: Causes moderate eye irritation. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Avoid contact with eyes or clothing.

# **16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

<u>NFPA</u>	Health hazards 1	Flammability 1	Instability 0	Physical and Chemical Properties -
HMIS	Health hazards 1	Flammability 1	Physical hazards 0	Personal protection X
Issue Date	16-Jul-201	7		
Revision Date	16-Jul-201	7		
Revision Note				
No information available				

# **Disclaimer**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet