



**SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION**

**Product identifier:** SOLIDA HERBICIDE

**Product use:** Herbicide

**Supplier's name and address:**

**FMC Corporation**

1735 Market Street  
Philadelphia, PA 19103  
(215) 299-6000 (General Information)  
msdsinfo@fmc.com (E-mail General Information)

**Manufacturer's name and address:**

Refer to supplier.

**Emergency Telephone #:**

1-800-331-3148 (Medical Emergencies-PROSAR)  
1-800-424-9300 (24 Hr. Chemtrec Number)

**SDS Prepared by:** FMC Corporation  
**SDS Preparation date:** September 24,2015

**SECTION 2 - HAZARDS IDENTIFICATION**

**GHS Signal Word:**

Warning

**Classification:**

Health	Environmental	Physical
Not applicable	Aquatic Toxicity – Acute 1 Aquatic Toxicity – Chronic 1	Not applicable

**GHS Pictogram:**



**Hazard Statements:**

Very toxic to aquatic life.  
Very toxic to aquatic life with long lasting effects.

**Precautionary Statements:**

**Prevention:**

Avoid release to the environment.

**Response:**

Collect spillage.

**Storage:**

Not applicable.

**Disposal:**

Dispose of contents/container according to label directions.

**SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS**

Ingredients	CAS #	% (weight)	ACGIH TLV		OSHA PEL	
			TWA	STEL	PEL	STEL
<b>Hazardous Components</b>						
Rimsulfuron: (2-Pyridinesulfonamide,N-(((4,6-dimethoxy-2-pyrimidinyl)amino)carbonyl)-3-(ethylsulfonyl)-)	38641-94-0	25	N/Av	N/Av	N/Av	N/Av
<b>Non-Hazardous Components</b>						
(Proprietary Ingredient(s))	Proprietary	75	N/Av	N/Av	N/Av	N/Av

This material is classified as hazardous under OSHA regulations (29CFR 1910.1200).

**SECTION 4 - FIRST AID MEASURES**

<b>Inhalation</b>	· No specific intervention is indicated, as product is not likely to be hazardous by inhalation. Remove to fresh air and contact physician if necessary.
<b>Skin</b>	· Call a physician or poison control center. In case of contact, immediately flush with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse.
<b>Eye</b>	· Call a physician or poison control center. Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first five minutes, then continue rinsing eye.
<b>Ingestion</b>	· No specific intervention is indicated, as product is not likely to be hazardous by ingestion. Contact a physician if necessary.
<b>Other information</b>	· Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-303-6950 for emergency medical treatment information.
<b>Both acute and delayed symptoms and effects</b>	· It does not irritate, sensitize. Ingestion may cause nausea, vomiting, diarrhea.
<b>Indication of any immediate medical attention and special treatment needed</b>	· Symptomatic therapy.

**SECTION 5 - FIRE FIGHTING MEASURES**

<b>Extinguishing Media</b>	· LARGE FIRE: Water spray, fog or regular foam. · SMALL FIRES: Dry chemical, CO2, water spray or regular foam.
<b>Unsuitable Extinguishing Media</b>	· No Data Available
<b>Firefighting Procedures</b>	· Evacuate personnel to a safe area. Keep personnel removed and upwind of fire. Wear self-contained breathing apparatus. Wear full protective equipment. Runoff from fire control may be a pollution hazard.
<b>Unusual Fire and Explosion Hazards</b>	· Decomposition may occur if exposed to extreme heat or flame. Closed containers may rupture if exposed to excessive heat or flame due to build-up of external pressure.
<b>Hazardous Combustion Products</b>	· Carbon dioxide, carbon monoxide, sulfur oxides, nitrogen oxides (NOx), irritating gases, particulates, and smoke.
<b>Protection of Firefighters</b>	· Wear positive pressure self-contained breathing apparatus (SCBA).
<b>Flash Point</b>	· Not applicable
<b>Explosion Limits</b>	· Not applicable

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

- Personal Precautions** · Restrict access to area until completion of clean-up. Ensure clean-up is conducted only by trained personnel. All clean-up personnel should wear appropriate personal protective equipment and clothing.
- Emergency Procedures** · Evacuate area. Thoroughly ventilate area.
- Environmental Precautions** · Do NOT wash away into sewer. Prevent entry into waterways, sewers, basements or confined areas. Runoff from fire control or dilution water may cause pollution.
- Containment/Clean-up** · Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.  
Dike far ahead of spill; use dry sand to contain the flow of material.  
Stop leak if can do it without risk.
- Prohibited Materials** · No Data Available
- Other Information** · Follow applicable Federal, State/Provincial, and Local laws/regulations. In case of a transportation accident in the United States, contact CHEMTREC at 1-800-424-9300 or International at 1-703-527-3887. If a spill/release in excess of EPA reportable quantity is made into the environment, immediately notify the National Response Center in the United States at 1-800-424-8002. US CERCLA Reportable Quantity (RQ): none.

## SECTION 7 – HANDLING AND STORAGE

- Handling** · Wear chemical resistant protective clothing when handling. Use only in well-ventilated areas. Avoid contact with eyes, skin, and clothing. Do not breathe vapors and mists. Use caution when opening cap. Keep containers tightly closed when not in use.
- Storage** · Store in a cool, dry place.
- Special Packaging Materials** · Store in product container only.
- Incompatible Materials or Ignition Sources** · No Data Available

## SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

- Personal Protective Equipment**
  - Respiratory** · None needed for normal use in well ventilated areas. Refer to Section 6 for protection during emergency spills.
  - Eye/Face** · Wear protective eyewear (goggles, face shield, or safety glasses).
  - Hands** · Wear protective gloves.
  - Skin/Body** · Wear chemical-resistant clothing and shoe coverings. An eyewash station and safety shower should be available in the immediate area.
- General Industrial Hygiene Considerations** · Avoid breathing dust. Avoid contact with skin, eyes, and clothing. Do not eat, drink, smoke, or apply cosmetics while working with this product. Upon completion or interruption of work, wash hands before eating, drinking, smoking, or using toilet facilities. Remove contaminated clothing and thoroughly wash it before reuse. Do not take contaminated clothing home.
- Engineering Measures/Controls** · Use only with adequate ventilation.
- Exposure Limits/Guidelines** · For ingredient exposure levels, see Section 3.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear, yellow, viscous liquid  
**Odor:** Odorless to slight amine-like  
**Odor threshold:** NE  
**pH:** 4.5 @ 20° C (1% soln)  
**Melting point/Freezing point:** <32° F (<0° C)  
**Initial boiling point and boiling range:** N/Av

**Flash point:** 235° F (>113° C); estimated  
**Evaporation rate:** NE  
**Flammability:** NA  
**Upper/lower flammability and explosive limits:** NA  
**Vapor pressure:** 1.7 x 10<sup>-7</sup> mmHg @ 25° C (free Glyphosate acid)  
**Vapor density:** NE  
**Bulk density:** 9.72 lbs/gal  
**Specific gravity:** 1.165 g/ml @ 20° C  
**Solubility(ies):** in water: miscible  
**Partition coefficient (n-octanol/water):** Log P = -3.3 (free Glyphosate acid)  
**Auto-ignition temperature:** NE  
**Decomposition temperature:** NE  
**Viscosity:** NE

**SECTION 10 - STABILITY AND REACTIVITY**

**Stability** · Stable under normal temperatures and pressures.  
**Hazardous Polymerization** · Hazardous polymerization will not occur.  
**Conditions to Avoid** · No Data Available  
**Incompatible Materials** · None reasonably foreseeable.  
**Hazardous Decomposition Products** · None known. Refer to Section 7.

**SECTION 11 – TOXICOLOGICAL INFORMATION**

SOLIDA Herbicide CAS #: 122931-48-0				
Test Type	Dosage	Units	Route	Species
Acute Toxicity	>2000	mg/kg	Ingestion/Oral	Rat
Acute Toxicity	>2000	mg/kg	Skin/Dermal	Rat
Acute Toxicity	>4.62	mg/L	Inhalation	Rat

**Other Information** · Based on animal data, prolonged overexposures by ingestion or inhalation may cause abnormal liver function as detected by laboratory tests. Bases on animal data, significant skin permeation and systemic toxicity after contact appears unlikely. There are no reports of human skin sensitization. Repeated and long-term ingestion exposures resulted in decreased body weights, increased liver, kidney, and spleen weights, mild hematological changes, and serum chemistry changes linked to liver effects. A repeated-dose teratogenicity study in rabbits resulted in maternal deaths at excessive doses. There were no effects observed in offspring. A one year feeding study in dogs resulted in mild tracheal effects. Rimsulfuron did not demonstrate carcinogenic effects in long-term feeding studies in rats or mice. Rimsulfuron did not cause developmental or reproductive effects in animals. Rimsulfuron did not produce genetic damage in bacterial or mammalian cell culture or in animals.

**SECTION 12 – ECOLOGICAL INFORMATION**

SOLIDA Herbicide				122931-48-0		
Test Type	Dosage	Units	Species	Species Description	Duration	Results
Aquatic Toxicity	>360		Fish	Rainbow trout ( <i>Salmo gairdneri</i> )	96 Hour(s)	LC50
Terrestrial Toxicity	>1000			Bees ( <i>Apis mellifera</i> )	48 Hour(s)	LC50

Aquatic Toxicity	=1.2		Algae or other aquatic plants	Green Algae ( <i>Selenastrum capricornutum</i> )	72 Hour(s)	IC50
Terrestrial Toxicity	>360			Invertebrate ( <i>Daphnia magna</i> )	48 Hour(s)	EC50
Terrestrial Toxicity	=0.005			Duckweed ( <i>Lemna minor</i> )	14 day(s)	EC50
Aquatic Toxicity Aquatic Toxicity	=1.9		Algae or other aquatic plants		96 Hour(s)	IC50

- Ecological Fate** · No Data Available.
- Persistence/Degradability** · Not readily biodegradable.
- Bioaccumulation Potential** · Low.
- Mobility in Soil** · Not mobile in the soil profile.
- Other Information** · The product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters. This product is an herbicide. The active ingredient is Rimsulfuron and is considered to be toxic to many plants and non-toxic to fish, aquatic invertebrates, soil micro- and macro-organisms, birds, mammals, and insects.

### SECTION 13 – DISPOSAL CONSIDERATIONS

- Product** · Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment rinsewater. Do not apply where/when conditions could favor runoff. Do not apply if a severe storm is expected within 24 hours. Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State, and Local regulations. Do not flush to surface water or sanitary sewer systems. Do not contaminate water, food, or feed by disposal. Waste resulting from the use of this product may be disposed of onsite or at an approved waste facility.
- Packaging** · Triple rinse (or equivalent) the container. Then offer for recycling or reconditioning. Alternatively, puncture and dispose of container in a sanitary landfill, or by incineration, or if allowed by State/Provincial or Local authorities, by burning. If burned, stay out of smoke.

### SECTION 14 – TRANSPORTATION INFORMATION

Shipping Information

DOT: Not Regulated in Transportation by DOT

IMDG/IATA:

UN/NA No. : UN 3077  
Proper Shipping Name : Environmentally hazardous substance, solid, n.o.s. (Rimsulfuron)  
Hazard Class : 9  
Packing Group : III  
Marine Pollutant : Yes

### SECTION 15 – REGULATORY INFORMATION

- FIFRA** · 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 on safety data sheets, and for workplace labels on non-pesticide chemicals. Following is the hazard information as required on the pesticide label:  
CAUTION  
Harmful if absorbed through skin.  
Harmful if swallowed.  
Avoid contact with skin, eyes, or clothing.

Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.  
Remove and wash contaminated clothing before reuse.

**SARA Hazard Classifications** · Acute

**Other Information** · In the United States, this product is regulated by the US Environmental Protection Agency under the Federal Insecticide, Fungicide, and Rodenticide Act. It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

## SECTION 16 – OTHER INFORMATION

**Disclaimer/Statement of Liability** · The information in this Material Safety Data Sheet relates only to the specific material designated herein and does not related to use in combination with any other material or in any process.

**Creation Date** · April 28, 2010  
**Revision Date** · September 24, 2015  
**Revision Reason** · US GHS Update

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Prepared By:

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**End of Safety Data Sheet**