

FALLOUT REMOVER

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 02/03/2015



SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Product name : FALLOUT REMOVER
Product code : FALL

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

Use of the substance/mixture : Industrial Fallout / Rail Dust Remover

1.3. Details of the supplier of the safety data sheet

Sky Blue Industries, Inc.
760 W. Exchange Road
Ogden, Utah 84401 - USA
T (800) 998-2808

1.4. Emergency telephone number

Emergency number : Chemtrec 1-800-424-9300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Skin Corr. 1A H314

Full text of H-phrases: see section 16

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US) :



GHS05

Signal word (GHS-US) : **Danger**

Hazard statements (GHS-US) : Causes severe skin burns and eye damage

Precautionary statements (GHS-US)

Prevention

: Do not breathe fume, gas, mist, spray, vapours.
Wash hands and exposed skin thoroughly after handling.
Wear eye protection, protective clothing, protective gloves.

Response

: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER, a doctor.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER, a doctor.
Wash contaminated clothing before reuse.

Storage

: Store locked up.

Disposal

: Dispose of contents/container in accordance with local/state/federal regulations.

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US)

Not applicable

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SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

| Name | Product identifier | % | GHS-US classification |
|-----------------------------------|---------------------|--------|--|
| Gluconic acid | (CAS No) 526-95-4 | 5 - 10 | Skin Corr. 1A, H314 |
| Oxalic acid, dihydrate | (CAS No) 6153-56-6 | 5 - 10 | Skin Corr. 1A, H314 Aquatic Acute 3, H402 |
| Polyethylene glycol undecyl ether | (CAS No) 34398-01-1 | 1 - 3 | Skin Irrit. 2, H315 Eye Irrit. 2A, H319 |

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : Call a physician immediately.
- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
- First-aid measures after skin contact : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Call a physician immediately.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
- First-aid measures after ingestion : Rinse mouth. Do not induce vomiting. Call a physician immediately.

4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/injuries after skin contact : Burns.
- Symptoms/injuries after eye contact : Serious damage to eyes.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : All extinguishing media allowed.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : No fire hazard.
- Explosion hazard : No explosion hazard.

5.3. Advice for firefighters

- Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate area. Keep upwind.

6.1.2. For emergency responders

- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment. See Section 12 for additional Ecological information.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Neutralize spill with quicklime or soda ash. Take up liquid spill into inert absorbent material. Scoop absorbed substance into closing containers. Store away from other materials.
- Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Do not breathe fume, gas, mist, spray, vapours. Wear personal protective equipment.
- Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store locked up. Store in a well-ventilated place. Keep cool.
- Incompatible products : Strong bases. Strong oxidizing agents. Combustible materials. Chlorine bleach.
- Incompatible materials : Direct sunlight. Metals.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| FALLOUT REMOVER | | |
|------------------------------------|--------------------|---------|
| ACGIH | Not applicable | |
| OSHA | Not applicable | |
| Oxalic acid, dihydrate (6153-56-6) | | |
| ACGIH | ACGIH TWA (mg/m³) | 1 mg/m³ |
| ACGIH | ACGIH STEL (mg/m³) | 2 mg/m³ |
| OSHA | Not applicable | |

8.2. Exposure controls

- Appropriate engineering controls : Ensure good ventilation of the work station.
- Hand protection : Protective gloves.
- Eye protection : Safety glasses.
- Skin and body protection : Wear suitable protective clothing.
- Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.
- Environmental exposure controls : Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Liquid
- Appearance : Clear, colorless liquid.
- Colour : Colorless
- Odour : No data available
- Odour threshold : No data available
- pH : 1.3 - 1.7
- Relative evaporation rate (butylacetate=1) : No data available
- Melting point : No data available
- Freezing point : No data available
- Boiling point : No data available
- Flash point : No data available
- Auto-ignition temperature : No data available
- Decomposition temperature : No data available
- Flammability (solid, gas) : No data available
- Vapour pressure : No data available
- Relative vapour density at 20 °C : No data available
- Relative density : 1.05
- Density : 8.76 lb/gal
- Solubility : Soluble in water.
- Log Pow : No data available

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| | |
|----------------------|---------------------|
| Log Kow | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |
| Explosive properties | : No data available |
| Oxidising properties | : No data available |
| Explosive limits | : No data available |

9.2. Other information

| | |
|-------------|---------|
| VOC content | : 0.2 % |
|-------------|---------|

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong bases. Strong oxidizing agents. Chlorine bleach. Combustible materials. May be corrosive to metals.

10.6. Hazardous decomposition products

Thermal decomposition generates: Carbon monoxide. Carbon dioxide. Oxides of product. Corrosive vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | |
|----------------|------------------|
| Acute toxicity | : Not classified |
|----------------|------------------|

Polyethylene glycol undecyl ether (34398-01-1)

| | |
|--------------------|--------------|
| LD50 oral rat | > 1400 mg/kg |
| LD50 dermal rabbit | > 2000 mg/kg |

| | |
|--|---|
| Skin corrosion/irritation | : Causes severe skin burns and eye damage. pH: 1.3 - 1.7 |
| Serious eye damage/irritation | : Not classified pH: 1.3 - 1.7 |
| Respiratory or skin sensitisation | : Not classified |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |
| Reproductive toxicity | : Not classified |
| Specific target organ toxicity (single exposure) | : Not classified |
| Specific target organ toxicity (repeated exposure) | : Not classified |
| Aspiration hazard | : Not classified |
| Symptoms/injuries after skin contact | : Burns. |
| Symptoms/injuries after eye contact | : Serious damage to eyes. |

SECTION 12: Ecological information

12.1. Toxicity

| | |
|-------------------|---|
| Ecology - general | : Before neutralisation, the product may represent a danger to aquatic organisms. |
|-------------------|---|

Oxalic acid, dihydrate (6153-56-6)

| | |
|--------------------------------|---|
| LC50 fishes 1 | 34.1 mg/l (96 h; Pimephales promelas; Anhydrous form) |
| LC50 other aquatic organisms 1 | 100 - 1000 mg/l (96 h; Anhydrous form) |
| EC50 Daphnia 1 | 137 mg/l (48 h; Daphnia magna; Anhydrous form) |

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| Oxalic acid, dihydrate (6153-56-6) | |
|--|---|
| LC50 fish 2 | 160 mg/l (48 h; Leuciscus idus; Anhydrous form) |
| TLM fish 1 | 4000 mg/l (24 h; Lepomis macrochirus; Anhydrous form) |
| Threshold limit other aquatic organisms 1 | 100 - 1000,96 h; Anhydrous form |
| Threshold limit algae 1 | 790 mg/l (168 h; Scenedesmus quadricauda; Anhydrous form) |
| Threshold limit algae 2 | 80 mg/l (192 h; Microcystis aeruginosa; Anhydrous form) |
| Polyethylene glycol undecyl ether (34398-01-1) | |
| LC50 fishes 1 | 1 - 10 mg/l (96 hr.) |
| EC50 Daphnia 1 | 1 - 10 mg/l (48 hr.) |
| EC50 other aquatic organisms 1 | 1 - 10 mg/l (96 hr.)(Algae) |

12.2. Persistence and degradability

| Gluconic acid (526-95-4) | |
|------------------------------------|--|
| Persistence and degradability | Readily biodegradable in water. No (test)data on mobility of the components available. |
| Chemical oxygen demand (COD) | 0.5 g O ₂ /g substance |
| ThOD | 0.9 g O ₂ /g substance |
| BOD (% of ThOD) | 0.39 % ThOD |
| Oxalic acid, dihydrate (6153-56-6) | |
| Persistence and degradability | Readily biodegradable in water. Readily biodegradable in water in anaerobic conditions. Photolysis in water. Biodegradable in the soil. Photolysis in the air. |

12.3. Bioaccumulative potential

| Gluconic acid (526-95-4) | |
|------------------------------------|----------------------------------|
| Log Pow | -2.57 - -1.87 |
| Bioaccumulative potential | Bioaccumulation: not applicable. |
| Oxalic acid, dihydrate (6153-56-6) | |
| Log Pow | -1.74 (Estimated value) |
| Bioaccumulative potential | Bioaccumulation: not applicable. |

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on ozone layer : No additional information available
Effect on the global warming : No known ecological damage caused by this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose of contents/container in accordance with local/state/federal regulations.

SECTION 14: Transport information

In accordance with DOT:

Not regulated for transport

Additional information

Other information : No supplementary information available.

ADR

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

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SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

No additional information available

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

No additional information available

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm

Oxalic acid (144-62-7)

U.S. - New Jersey - Right to Know Hazardous Substance List

SECTION 16: Other information

Indication of changes : Initial release.

Full text of H-phrases:

| | |
|-----------------|---|
| Aquatic Acute 3 | Hazardous to the aquatic environment — Acute Hazard, Category 3 |
| Eye Irrit. 2A | Serious eye damage/eye irritation, Category 2A |
| Skin Corr. 1A | Skin corrosion/irritation, Category 1A |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| H314 | Causes severe skin burns and eye damage |
| H315 | Causes skin irritation |
| H319 | Causes serious eye irritation |
| H402 | Harmful to aquatic life |

SDS US (GHS HazCom 2012) - Custom

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