

SECTION 1 - Identification

1.1 Identification

Product form : Mixture
 Product name : XPEL IRON OXIDE REMOVER
 Product code : R1397 & R1397-2

1.2 Recommended use and restrictions on use

No additional information available

1.3 Supplier

XPEL, Inc.
 618 W. Sunset
 San Antonio, TX, 78216
 T: +1 210-678-3700

1.4 Emergency telephone number

Emergency Number : +1 800-535-5053 (INFOTRAC)
 : +1 352-323-3500 (INFOTRAC International)

SECTION 2 - Hazard(s) identification

2.1 Classification of the substance or mixture

Not classified

GHS-US classification

Flammable liquids Category 4	H227	Combustible liquid
Acute toxicity (oral) Category 3	H301	Toxic if swallowed
Serious eye damage/eye irritation Category 2	H319	Causes serious eye irritation
Skin sensitization Category 1	H317	May cause an allergic skin reaction

Full text of H statements : see section 16

2.2 GHS Label elements, including precautionary statements

GHS-US labeling

Hazard pictograms (GHS-US)



Signal word (GHS-US) : Danger

Hazard statements (GHS-US) : H227 - Combustible liquid
 H301 - Toxic if swallowed
 H317 - May cause an allergic skin reaction
 H319 - Causes serious eye irritation

Precautionary statements (GHS-US) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
 P264 - Wash hands, forearms and face thoroughly after handling
 P270 - Do not eat, drink or smoke when using this product
 P272 - Contaminated work clothing must not be allowed out of the workplace
 P280 - Wear protective gloves, protective clothing, eye protection
 P301+P310 - If swallowed: Immediately call a poison center/doctor
 P302+P352 - If on skin: Wash with plenty of water
 P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 P321 - Specific treatment
 P330 - Rinse mouth
 P333+P313 - If skin irritation or rash occurs: Get medical advice/attention
 P337+P313 - If eye irritation persists: Get medical advice/attention
 P363 - Wash contaminated clothing before reuse
 P370+P378 - In case of fire: Use ... to extinguish
 P403+P235 - Store in a well-ventilated place. Keep cool
 P405 - Store locked up
 P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

SECTION 2 - Hazard(s) identification

2.3 Other hazard which do not result in classification

No additional information available

2.4 Unknown acute toxicity (GHS US)

Not applicable

SECTION 3 - Composition/Information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Name	CAS Number	Concentration	GHS-US Classification
sodium mercaptoacetate	367-51-1	> 25 - 30 %	Met. Corr. 1, H290 Acute Tox. 3 (Oral), H301 Acute Tox. 4 (Dermal), H312 Skin Sens. 1, H317
sodium xylenesulfonate	1300-72-7	> 5 - 8 %	Eye Irrit. 2, H319
butyl glycoether	111-76-2	> 2 - 3 %	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Eye Irrit. 2A, H319

Full text of H statements : see section 16

SECTION 4 - First-aid measures

4.1 Description of first-aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). Call a physician immediately.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician.
First-aid measures after skin contact	: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a poison center or doctor/physician. If skin irritation or rash occurs: Get medical advice/attention. : Immediately call a poison center or doctor/physician. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after eye contact	: Do NOT induce vomiting. Immediately call a poison center or doctor/physician. Rinse mouth. Call a physician immediately.
First-aid measures after ingestion	

4.2 Most important symptoms and effects (acute and delayed)

Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.
Symptoms/injuries	: Causes severe skin burns and eye damage.
Symptoms/injuries after skin contact	: May cause an allergic skin reaction.
Symptoms/injuries after eye contact	: Eye irritation.

4.3 Immediate medical attention and special treatments, if necessary

Treat symptomatically.

SECTION 5 - Fire-fighting measures

5.1 Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Dry chemical powder. Sand. Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2 Specific hazard arising from the chemical

Fire hazard	: Combustible liquid.
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5.3 Special protective equipment and precautions for fire-fighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection. 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 : Ventilate spillage area. Evacuate unnecessary personnel. No open flames, no sparks, and no smoking. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.
- 6.1.2. For emergency responders
 Protective equipment : Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".
 Emergency Procedures : Ventilate area.

6.2 Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3 Methods and material for containment and cleaning up

- For containment : Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. Notify authorities if product enters sewers or public waters.
- Methods for cleaning up : Dispose of materials or solid residues at an authorized site.

6.4 Reference to other sections

See Heading 8. Exposure controls and personal protection. For further information refer to section 13.

SECTION 7 - Handling and storage

7.1 Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact during pregnancy/while nursing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear personal protective equipment. Avoid contact with skin and eyes.
- Hygiene measures : Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. 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

- Technical measures : Comply with applicable regulations.
- Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use. Store in a well-ventilated place. Keep cool. Store locked up.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight.

SECTION 8 - Exposure controls/personal protection

8.1 Control parameters

- XPEL IRON REMOVER : No additional information available
- sodium mercaptoacetate (367-51-1) : No additional information available
- butyl glycolether (111-76-2)
 USA - ACGIH - Occupational Exposure Limits
- | | |
|------------------|--------|
| ACGIH TWA (ppm) | 20 ppm |
| ACGIH STEL (ppm) | 20 ppm |
- sodium xylenesulfonate (1300-72-7) : No additional information available

8.2 Appropriate Engineering Controls

- Appropriate engineering controls : Ensure good ventilation of the work station.
- Environmental exposure controls : Avoid release to the environment.

8.3 Individual protection measures/Personal protective equipment

- Personal protective equipment: : Avoid all unnecessary exposure.
- Hand Protection : Wear protective gloves
- Eye Protection : Chemical goggles or face shield. Safety glasses
- Skin and Body Protection : Wear suitable protective clothing
- Respiratory Protection : Wear appropriate mask
- Other Information : Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear Liquid.
Color	: Clear Liquid
Odor	: Mild odour
Odor threshold	: No data available
pH	: 5
Melting point	: NA
Freezing point	: NA
Boiling point	: 212 °F
Flash point	: NA
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Non flammable.
Vapor pressure	: 140 mm Hg @130.0 F
Relative vapor density at 20 °C	: No data available
Relative density	: H2O=>1
Solubility	: Soluble in water.
Log Pow	: No data available
Auto-ignition temperature	: NA
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

9.2 Other information

No additional information available

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under normal conditions. Not established.

10.2 Chemical stability

Not established.

10.3 Possibility of hazardous reactions

Not established.

10.4 Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5 Incompatible materials

Strong acids. Strong bases.

10.6 Hazardous decomposition products

Fume. Carbon monoxide. Carbon dioxide. Thermal decomposition generates

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity (oral)	: Toxic if swallowed.
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
ATE US (oral)	: 166.191 mg/kg body weight
sodium mercaptoacetate (367-51-1)	: Not classified
LD50 oral rat	: 50 - 200 mg/kg body weight (OECD 423: Acute Oral Toxicity - Acute Toxic Class Method, Rat, Male/female, Experimental value, Oral)
LD50 dermal rat	: 1000 - 2000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Female, Experimental value, Dermal)
LC50 inhalation rat (mg/l)	: 2.729 mg/l air (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male/female, Read-across, Inhalation (aerosol))
ATE US (oral)	: 50 mg/kg body weight
ATE US (dermal)	: 1000 mg/kg body weight

SECTION 11: Toxicological information

11.1 Information on toxicological effects

butyl glycoether (111-76-2)	: Toxic if swallowed.
LD50 oral rat	: 1746 mg/kg body weight (Rat; Equivalent or similar to OECD 401; Experimental value)
LD50 dermal rat	: 2000 mg/kg body weight (Rat; Experimental value; OECD 402: Acute Dermal Toxicity)
LC50 inhalation rat (mg/l)	: 2.2 mg/l/4h (Rat; Experimental value)
LC50 inhalation rat (ppm)	: 450 ppm/4h (Rat; Experimental value)
ATE US (oral)	: 1746 mg/kg body weight
ATE US (dermal)	: 1100 mg/kg body weight
ATE US (gases)	: 450 ppmV/4h
ATE US (vapors)	: 2.2 mg/l/4h
ATE US (dust, mist)	: 2.2 mg/l/4h
sodium xylenesulfonate (1300-72-7)	
LD50 oral rat	: 7000 mg/kg body weight (OECD 401: Acute Oral Toxicity, Rat, Male/female, Read-across, Oral, 14 day(s))
LD50 dermal rabbit	: 2000 mg/kg body weight (Equivalent or similar to OECD 402, Rabbit, Read-across, Dermal, 14 day(s))
Skin corrosion/irritation	: Not classified
	pH: 5
Serious eye damage/irritation	: Causes serious eye irritation.
	pH: 5
Respiratory or skin sensitization	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
butyl glycoether (111-76-2)	
IARC group	: 3 - Not classifiable
Reproductive toxicity	: Not classified
Specific target organ toxicity : single exposure	: Not classified
Specific target organ toxicity : repeated exposure	: Not classified
Aspiration hazard	: Not classified
Viscosity, kinematic	: No data available
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.
Symptoms/injuries	: Causes severe skin burns and eye damage.
Symptoms/injuries after skin contact	: May cause an allergic skin reaction.
Symptoms/injuries after eye contact	: Eye irritation.

SECTION 12: Ecological information

12.1 Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
sodium mercaptoacetate (367-51-1)	
LC50 fish 1	: > 100 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Flow-through system, Fresh water, Experimental value, GLP)
EC50 Daphnia 1	: 38 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)
ErC50 (algae)	: 15 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)
butyl glycoether (111-76-2)	
LC50 fish 1	: 1474 ppm (96 h; Oncorhynchus mykiss)
EC50 Daphnia 1	: 1550 mg/l (48 h; Daphnia magna)
Threshold limit algae 1	: 911 mg/l (72 h; Pseudokirchneriella subcapitata)
Threshold limit algae 2	: 88 mg/l (72 h; Pseudokirchneriella subcapitata)

SECTION 12: Ecological information

12.1 Toxicity

sodium xylenesulfonate (1300-72-7)
 LC50 fish 1 : > 1000 mg/l (EPA OTS 797.1400, 96 h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value)
 EC50 Daphnia 1 : > 1000 mg/l (EPA OTS 797.1300, 48 h, Daphnia magna, Static system, Fresh water, Experimental value)

12.2 Persistence and degradability

XPEL IRON REMOVER
 Persistence and degradability : Not established
 sodium mercaptoacetate (367-51-1)
 Persistence and degradability : Readily biodegradable in water.
 butyl glycolether (111-76-2)
 Persistence and degradability : Readily biodegradable in water. Low potential for adsorption in soil. Photooxidation in the air.
 sodium xylenesulfonate (1300-72-7)
 Persistence and degradability : Readily biodegradable in water.

12.3 Bioaccumulative potential

XPEL IRON REMOVER
 Bioaccumulative potential : Not established
 sodium mercaptoacetate (367-51-1)
 Log Pow : -2.99 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 22 °C)
 Bioaccumulative potential : Not bioaccumulative.
 butyl glycolether (111-76-2)
 Log Pow : 0.81 (Test data; 20 °C)
 Bioaccumulative potential : Low potential for bioaccumulation (Log Kow < 4).
 sodium xylenesulfonate (1300-72-7)
 Log Pow : -3.12 (Experimental value, EU Method A.8: Partition Coefficient, 20 °C)
 Bioaccumulative potential : Not bioaccumulative.

12.4 Mobility in soil

sodium mercaptoacetate (367-51-1)
 Ecology - soil : No (test)data on mobility of the substance available.
 butyl glycolether (111-76-2)
 Surface tension : 0.065 N/m (20 °C; 003)
 sodium xylenesulfonate (1300-72-7)
 Surface tension : 71 mN/m (20 °C, 90 %, EU Method A.5: Surface tension)
 Ecology - soil : No (test)data on mobility of the substance available.

12.5 Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1 Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
 Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.
 Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT
 Not applicable

TDG

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

XPEL IRON REMOVER : Not listed on the United States TSCA (Toxic Substances Control Act) inventory
butyl glycolether (111-76-2) : Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2 International regulations

No additional information available

15.3 US State regulations

butyl glycolether(111-76-2) U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other Information

Other information : None

Full text of H-phrases:

H227 : Combustible liquid
H290 : May be corrosive to metals
H301 : Toxic if swallowed
H302 : Harmful if swallowed
H312 : Harmful in contact with skin
H315 : Causes skin irritation
H317 : May cause an allergic skin reaction
H319 : Causes serious eye irritation
H332 : Harmful if inhaled

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