

SECTION 1 - Identification

1.1 Identification

SDS # : XPEL-020
Product Name : XPEL IRON OXIDE REMOVER

1.2 Recommended use and restrictions on use

Recommended Use : Cleaning Agent

1.3 Supplier

XPEL, Inc.
3251 I-35
San Antonio, TX, 78219
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

Appearance: Clear liquid

Physical state: Liquid

Odor: Mild

2.1 Classification

Acute toxicity - Oral : Category 4
Acute toxicity - Dermal : Category 4
Serious eye damage/eye irritation : Category 2
Skin sensitization : Category 1

Signal word : Warning
Hazard Statements : Harmful if swallowed
Harmful in contact with skin
Causes serious eye irritation
May cause an allergic skin reaction



Precautionary statements

Prevention : Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Wear protective gloves/protective clothing/eye protection/face protection
Avoid breathing dust/fume/gas/mist/vapors/spray
Contaminated work clothing must not be allowed out of the workplace

Response : IF IN EYES: 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
: IF ON SKIN: Wash with plenty of water and soap
: Call a poison center or doctor/physician if you feel unwell
: Wash contaminated clothing before reuse
: If skin irritation or rash occurs: Get medical advice/attention
: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
: Rinse mouth

Disposal : Dispose of contents/container to an approved waste disposal plant

SECTION 3 - Composition/Information on ingredients

3.2 Mixtures

Name	CAS Number	% (weight)
Sodium thioglycolate	367-51-1	25 - 30
Sodium xylenesulfonate	1300-72-7	5 - 8
Glycol Ether EB	111-76-2	2 - 3

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

SECTION 4 - First-aid measures

4.1 Description of first-aid measures

General Advice : Provide this SDS to medical personnel for treatment.

Eye Contact : 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.

Skin Contact : Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

Inhalation : Remove to fresh air.

Ingestion : Call a poison center or doctor/physician if you feel unwell. Rinse mouth.

4.2 Most important symptoms and effects (acute and delayed)

Symptoms : Harmful if swallowed. Harmful in contact with skin. Causes serious eye irritation. May cause an allergic skin reaction.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5 - Fire-fighting measures

5.1 Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Dry chemical. Sand. Water spray. Dry powder. Foam. Carbon dioxide (CO₂).

Unsuitable extinguishing media : High volume water jet

5.2 Specific hazard arising from the chemical

Water can be used to cool fire exposed containers.

Hazardous combustion products : Smoke, fumes or vapors, and oxides of carbon.

5.3 Special protective equipment and precautions for fire-fighters

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

SECTION 6 - Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions : Use personal protective equipment as required.

6.2 Environmental precautions

Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.

6.3 Methods and material for containment and cleaning up

For containment : Prevent further leakage or spillage if safe to do so.

Methods for cleaning up : Absorb spillage with non-combustible, absorbent material. Keep in suitable, closed containers for disposal.

SECTION 7 - Handling and storage

7.1 Precautions for safe handling

Precautions for safe handling : Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing and eye/face protection. Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing must not be allowed out of the workplace.

7.2 Conditions for safe storage, including any incompatibilities

Storage Conditions : Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible Materials : Acids. Bases. Oxidizing agents

SECTION 8 - Exposure controls/personal protection

8.1 Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLK
Sodium thioglycolate 367-51-1	TWA: 1 ppm S*	-	-
Glycol Ether EB 111-76-2	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m ³ (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m ³ (vacated) S* S*	IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m ³

8.2 Appropriate Engineering Controls

Engineering Controls : Apply technical measures to comply with the occupational exposure limits.

8.3 Individual protection measures, such as personal protective equipment

Eye/Face Protection : Chemical goggles or full face shield. Safety glasses. Refer to 29 CFR 1910.133 for eye and face protection regulations.

Skin and Body Protection : Wear protective gloves and protective clothing. Refer to 29 CFR 1910.138 for appropriate skin and body protection.

Respiratory Protection : Refer to 29 CFR 1910.134 for respiratory protection requirements.

General Hygiene Considerations : Handle in accordance with good industrial hygiene and safety practice.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Clear liquid
Odor	Mild
Color	Clear
Odor Threshold	Not determined
Property	Values
pH	5
Melting point / freezing point	Not determined
Boiling point / boiling range	100 °C / 212 °F
Flash point	Not determined
Evaporation Rate	Not determined
Flammability (Solid, Gas)	Liquid - Not Applicable
Flammability Limit in Air	
Upper flammability or explosive limits	Not determined
Lower flammability or explosive limits	Not determined
Vapor Pressure	Not determined
Vapor Density	Not determined
Relative Density	>1
Water Solubility	Not determined
Solubility in other solvents	Not determined
Partition Coefficient	Not determined
Autoignition temperature	Not determined
Decomposition temperature	Not determined
Kinematic viscosity	Not determined
Dynamic Viscosity	Not determined
Explosive Properties	Not determined
Oxidizing Properties	Not determined

SECTION 10: Stability and reactivity

10.1 Reactivity

Not reactive under normal conditions.

10.2 Chemical stability

Stable under recommended storage conditions

10.3 Possibility of hazardous reactions

None under normal processing.

Hazardous Polymerization : Hazardous polymerization does not occur.

10.4 Conditions to avoid

Direct sunlight. Extreme temperatures. Hot surfaces. Ignition sources.

10.5 Incompatible materials

Acids. Bases. Oxidizing agents.

10.6 Hazardous decomposition products

Smoke, fumes or vapors, and oxides of carbon.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Product Information

Eye Contact Causes serious eye irritation.
 Skin Contact Harmful in contact with skin. Causes mild skin irritation.
 Inhalation Do not inhale.
 Ingestion Harmful if swallowed.

11.2 Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium thioglycolate 367-51-1	504 mg/kg (Mouse)	293 mg/kg (Mouse)	-
Sodium xylenesulfonate 1300-72-7	= 1000 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	-
Glycol Ether EB 111-76-2	= 470 mg/kg (Rat)	= 435 mg/kg (Rabbit)	= 450 ppm (Rat) 4 h = 486 ppm (Rat) 4 h

11.3 Information on physical, chemical and toxicological effects

Symptoms : Please see section 4 of this SDS for symptoms.

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

Sensitization May cause an allergic skin reaction.

Carcinogenicity Group 3 IARC components are "not classifiable as human carcinogens".

Chemical name	ACGIH	IARC	NTP	OSHA
Glycol Ether EB 111-76-2	A3	Group 3		

Legend

ACGIH (American Conference of Governmental Industrial Hygienists)
 A3 - Animal Carcinogen
 IARC (International Agency for Research on Cancer)
 Group 3 - Not Classifiable as to Carcinogenicity in Humans

11.5 Numerical measures of toxicity

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

Oral LD50 1,435.8440 mg/kg
 ATEmix (inhalation-dust/mist) 50.00 mg/L
 ATEmix (inhalation-vapor) 78.30 mg/L

SECTION 12: Ecological information

12.1 Toxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

12.2 Component Information

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Glycol Ether EB 111-76-2		1490: 96 h Lepomis macrochirus mg/L LC50 static 2950: 96 h Lepomis macrochirus mg/L LC50	1000: 48 h Daphnia magna mg/L EC50

12.3 Persistence / degradability

Not determined.

12.4 Bioaccumulative

Not determined.

12.5 Mobility

Chemical Name	Partition Coefficient
Glycol Ether EB 111-76-2	0.81

12.6 Other adverse effects

Not determined.

SECTION 13: Disposal considerations

13.1 Disposal methods

Disposal of Wastes	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated Packaging	Disposal should be in accordance with applicable regional, national and local laws and regulations.

SECTION 14: Transport information

Note

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

Not regulated

TDG

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

SECTION 15: Regulatory information

15.1 International Inventories

Chemical name	TSCA	TSCA Inventory Status	DSL/NDSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Sodium thioglycolate	X	ACTIVE	X	X	X	X	X	X	X
Sodium xylenesulfonate	X	ACTIVE	X	X	X	X	X	X	X
Glycol Ether EB	X	ACTIVE	X	X	X	X	X	X	X

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

SECTION 15: Regulatory information

15.2 US Federal Regulations 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).

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

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
Glycol Ether EB - 111-76-2	111-76-2	2-3	1.0

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)

15.3 US State Regulations California Proposition 65

This product does not contain any Proposition 65 chemicals.

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

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Glycol Ether EB 111-76-2	X	X	X

Section 16: OTHER INFORMATION

NFPA	HEALTH HAZARDS	FLAMMABILITY	INSTABILITY	SPECIAL HAZARDS
	Not determined	Not determined	Not determined	Not determined
HMIS	HEALTH HAZARDS	FLAMMABILITY	PHYSICAL HAZARDS	PERSONAL PROTECTION
	Not determined	Not determined	Not determined	Not Determined

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Disclaimer

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End of Safety Data Sheet