

# IRON OXIDE REMOVER

Safety Data Sheet  
according to the WHS Regulations  
Issue date: 08/01/2023 Version: 1.0  
SDS No: 10736-0046



## SECTION 1: Product identifier

### 1.1. GHS Product identifier

Product form Mixture  
Product name XPEL IRON OXIDE REMOVER

### 1.2. Other means of identification

Other means of identification XPEL-020

### 1.3. Recommended use of the chemical and restrictions on use

Recommended Use Cleaning agent

### 1.4. Details of manufacturer or importer

XPEL, Inc.  
3251 I-35  
San Antonio, TX, 78219  
USA  
T +1 210-678-3700

E-mail address of competent person responsible for the SDS: sds@gbk-ingelheim.de

### 1.5. Emergency phone number

Emergency number 1300 366 961

## SECTION 2: Hazard identification

### 2.1. Classification of the hazardous chemical

Classification according to the model Work Health and Safety Regulations (WHS Regulations)

Acute toxicity (oral), Category 4 H302

Acute toxicity (dermal), Category 4 H312

Serious eye damage/eye irritation, Category 2A H319

Skin sensitisation, Category 1 H317

### 2.2. GHS Label elements, including precautionary statements

Hazard pictograms (GHS AU)



Exclamation  
mark

Signal word (GHS AU)

Warning

Contains

Sodium mercaptoacetate ( $\geq 25 - < 35$  %); sodium xylenesulphonate ( $\geq 5 - < 10$  %); 2-butoxyethanol;  
ethylene glycol monobutyl ether ( $\geq 1 - < 5$  %)

Hazard statements (GHS AU)

H302+H312 - Harmful if swallowed or in contact with skin

H317 - May cause an allergic skin reaction

H319 - Causes serious eye irritation

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## Precautionary statements (GHS AU)

P261	Avoid breathing vapours, mist, dust, 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 should not be allowed out of the workplace.
P280	Wear protective gloves, protective clothing, eye protection, face protection.
P301 + P312	IF SWALLOWED: Call a POISON CENTER, a doctor if you feel unwell.
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 (see supplemental first aid instruction on this label).
P330	Rinse mouth.
P333 + P313	If skin irritation or rash occurs: Get medical advice.
P337 + P313	If eye irritation persists: Get medical advice.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P501	Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

## 2.3. Other hazards which do not result in classification

No additional information available

## SECTION 3: Composition and information on ingredients

Name	CAS No	%	Classification according to the model Work Health and Safety Regulations (WHS Regulations)
Water	7732-18-5	≥ 55 - < 60	Not classified
Sodium mercaptoacetate	367-51-1	≥ 25 - < 35	Met. Corr. 1, H290 Acute Tox. 3 (Oral), H301 Acute Tox. 4 (Dermal), H312 Skin Sens. 1, H317
sodium xylenesulphonate	1300-72-7	≥ 5 - < 10	Eye Irrit. 2A, H319
2-butoxyethanol; ethylene glycol monobutyl ether	111-76-2	≥ 1 - < 5	Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Oral), H302 Eye Irrit. 2A, H319 Skin Irrit. 2, H315

## SECTION 4: First aid measures

### 4.1. Description of necessary first-aid measures

First-aid measures general	Call a poison center or a doctor if you feel unwell.
First-aid measures after inhalation	Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after 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.
First-aid measures after ingestion	Rinse mouth. Call a poison center or a doctor if you feel unwell.

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## 4.2. Symptoms caused by exposure

Symptoms/effects after skin contact	May cause an allergic skin reaction. Harmful in contact with skin.
Symptoms/effects after eye contact	Causes serious eye irritation.
Symptoms/effects after ingestion	Harmful if swallowed.

## 4.3. Medical attention and special treatment

Treatment	Treat symptomatically.
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## SECTION 5: Fire-fighting measures

### 5.1. Extinguishing media

Suitable Extinguishing Media	Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable Extinguishing Media	Do not use a solid water stream as it may scatter and spread fire.

### 5.2. Specific hazards arising from the chemical

Explosion hazard	Product is not explosive.
General measures	Avoid contact with eyes, skin or mucous membrane. Evacuate the danger area. Evacuate personnel to a safe area.
Hazardous decomposition products in case of fire	Toxic fumes may be released.

### 5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
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## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

General measures	Avoid contact with eyes, skin or mucous membrane. Evacuate the danger area. Evacuate personnel to a safe area.
6.1.1. For non-emergency personnel Emergency procedures	Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing vapours, mist, dust, spray.
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.

### 6.3. Methods and materials for containment and cleaning up

Methods for cleaning up	Take up liquid spill into absorbent material.
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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Additional hazards when processed	Avoid contact with eyes, skin or mucous membrane.
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## Precautions for safe handling

Ensure good ventilation of the work station. Avoid contact with skin and eyes. Avoid breathing vapours, mist, dust, spray. Wear personal protective equipment.

## Hygiene measures

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

### Storage conditions

Store in a well-ventilated place. Keep cool.

### Heat and ignition sources

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

### Information on mixed storage

Keep away from food, drink and animal feeding stuffs.

### Storage area

Keep out of frost.

## SECTION 8: Exposure controls and personal protection

### 8.1. Control parameters - exposure standards

2-butoxyethanol; ethylene glycol monobutyl ether (111-76-2)	
Australia - Occupational Exposure Limits	
Local name	2-Butoxyethanol (Butyl cellosolve; Butyl glycol; Ethylene glycol monobutyl ether; Glycol monobutyl ether)
OES TWA [1]	96.9 mg/m <sup>3</sup>
OES TWA [2]	20 ppm
OES STEL	242 mg/m <sup>3</sup>
OES STEL [ppm]	50 ppm
Remark (AU)	Sk - Absorption through the skin may be a significant source of exposure.
Regulatory reference	Workplace exposure standards for airborne contaminants (2022)

### 8.2. Biological Monitoring

No additional information available

### 8.3. Engineering controls

#### Appropriate engineering controls

Ensure good ventilation of the work station.

### 8.4. Individual protection measures, such as personal protective equipment (PPE)

#### Hand protection

Chemically resistant protective gloves

#### Eye protection

tightly fitting safety goggles

#### 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 Physical and Chemical Properties

Physical state	Liquid
Appearance	Clear

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Colour	Mixture contains one or more component(s) which have the following colour(s): Colourless to white On exposure to air: discolours On exposure to light: discolours
Odour	Mild
Odour Threshold	No data available
pH	5
pH solution	No data available
Relative evaporation rate (butylacetate=1)	No data available
Melting point / Freezing point	No data available
Boiling point	100 °C
Flash point	No data available
Auto-ignition temperature	No data available
Flammability (solid, gas)	No data available
Vapour pressure	No data available
Relative density	No data available
Density	Relative density: > 1
Solubility	No data available
Log Pow	No data available
Explosive properties	No data available
Explosive limits	No data available
Minimum ignition energy	No data available
Fat solubility	No data available

## SECTION 10: Stability and reactivity

Reactivity	The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	No dangerous reactions known under normal conditions of use.
Conditions to avoid	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep out of direct sunlight.
Incompatible materials	Acids. Bases. Oxidizing agent.
Hazardous decomposition products	smokes. Vapours. Carbon oxides (CO, CO <sub>2</sub> ).

## SECTION 11: Toxicological information

Acute toxicity (oral)	Harmful if swallowed.
Acute toxicity (dermal)	Harmful in contact with skin.
Acute toxicity (inhalation)	Not classified

XPPEL IRON OXIDE REMOVER	
LD50 oral	1435.844 mg/kg
ATE AU (dermal)	1100 mg/kg bodyweight
Sodium mercaptoacetate (367-51-1)	
LD50 oral rat	50 - 200 mg/kg bodyweight (OECD 423 method)
LD50 dermal rat	> 2000 mg/kg bodyweight (OECD 402 method)
ATE AU (oral)	100 mg/kg bodyweight
ATE AU (dermal)	1100 mg/kg bodyweight

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2-butoxyethanol; ethylene glycol monobutyl ether (111-76-2)	
ATE AU (oral)	500 mg/kg bodyweight
ATE AU (dermal)	1100 mg/kg bodyweight
ATE AU (gases)	4500 ppmv/4h
ATE AU (vapours)	11 mg/l/4h
ATE AU (dust,mist)	1.5 mg/l/4h

<b>Skin corrosion/irritation</b>	Not classified pH: 5
<b>Serious eye damage/irritation</b>	Causes serious eye irritation. pH: 5
<b>Respiratory or skin sensitisation</b>	May cause an allergic skin reaction.
<b>Germ cell mutagenicity</b>	Not classified
<b>Carcinogenicity</b>	Not classified
<b>Reproductive toxicity</b>	Not classified
<b>STOT-single exposure</b>	Not classified
<b>STOT-repeated exposure</b>	Not classified
<b>Aspiration hazard</b>	Not classified

Water (7732-18-5)	
Animal studies and expert judgment for classification	False
Sodium mercaptoacetate (367-51-1)	
Animal studies and expert judgment for classification	False
sodium xylenesulphonate (1300-72-7)	
Animal studies and expert judgment for classification	False
2-butoxyethanol; ethylene glycol monobutyl ether (111-76-2)	
Animal studies and expert judgment for classification	False

## SECTION 12: Ecological information

### 12.1. Ecotoxicity

<b>Ecology - general</b>	The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
<b>Hazardous to the aquatic environment, short-term (acute)</b>	Not classified
<b>Hazardous to the aquatic environment, long-term (chronic)</b>	Not classified

Sodium mercaptoacetate (367-51-1)	
Log Pow	-3.78
2-butoxyethanol; ethylene glycol monobutyl ether (111-76-2)	
LC50 fish 1	116 mg/l
EC50 Daphnia 1	130 mg/l

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## 12.2. Persistence and degradability

Water (7732-18-5)	
Not rapidly degradable	-
Sodium mercaptoacetate (367-51-1)	
Not rapidly degradable	-
Persistence and degradability	Biodegradability in water: no data available.

## 12.3. Bioaccumulative potential

Sodium mercaptoacetate (367-51-1)	
Log Pow	-3.78
Bioaccumulative potential	not bioaccumulable.

## 12.4. Mobility in soil

Sodium mercaptoacetate (367-51-1)	
Log Pow	-3.78

## 12.5. Other adverse effects

Ozone Not classified  
 Other adverse effects No additional information available

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Fluorinated greenhouse gases	False
Water (7732-18-5)	
Fluorinated greenhouse gases	False
Sodium mercaptoacetate (367-51-1)	
Fluorinated greenhouse gases	False
sodium xylenesulphonate (1300-72-7)	
Fluorinated greenhouse gases	False
2-butoxyethanol; ethylene glycol monobutyl ether (111-76-2)	
Fluorinated greenhouse gases	False

## SECTION 13: Disposal considerations

Waste treatment methods Dispose of contents/container in accordance with licensed collector's sorting instructions.

## SECTION 14: Transport information

### 14.1. UN number

No dangerous goods as defined by the transport regulations

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## 14.2. UN Proper Shipping Name

Proper Shipping Name (ADG)	Not regulated
Proper Shipping Name (IMDG)	Not regulated
Proper Shipping Name (IATA)	Not regulated

## 14.3. Transport hazard class(es)

### ADG

Transport hazard class(es) (ADG)	Not regulated
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### IMDG

Transport hazard class(es) (IMDG)	Not regulated
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### IATA

Transport hazard class(es) (IATA)	Not regulated
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## 14.4. Packing group

Packing group (ADG)	Not regulated
Packing group (IMDG)	Not regulated
Packing group (IATA)	Not regulated

## 14.5. Environmental hazards

Marine pollutant	No
Dangerous for the environment	No
Other information	No supplementary information available

## 14.6. Special precautions for user

Specific storage requirement	No data available
Shock sensitivity	No data available

## 14.7. Additional information

Other information	No supplementary information available
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## Transport by road and rail

Not regulated

## Transport by sea

Not regulated

## Air transport

Not regulated

## 14.8. Hazchem or Emergency Action Code

Hazchem Code	Not applicable
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## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations specific for the product in question

No additional information available

### 15.2. International agreements

No additional information available

## SECTION 16: Other information

### Abbreviations and acronyms

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	RID - Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
CAS-No.	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified

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vPvB	Very Persistent and Very Bioaccumulative
ED	Endocrine disrupting properties
DOT	Department of Transport
TDG	Transportation of Dangerous Goods
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
GIS	Globally Harmonized System of Classification, Labelling and Packaging of Chemicals
ICB-Code	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
MARPOL 73/78 - MARPOL 73/78	International Convention for the Prevention of Pollution From Ships
ADG	Transport of Australian Dangerous Goods

## Other information

Data of sections 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities. The information describes exclusively the safety requirements for the product(s) and is based on the present level of our knowledge. The delivery specifications are contained in the corresponding product sheet. This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

Classification	
Acute Tox. 4 (Oral)	H302
Acute Tox. 4 (Dermal)	H312
Eye Irrit. 2A	H319
Skin Sens. 1	H317

Full text of H-statements	
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Met. Corr. 1	Corrosive to metals, Category 1
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
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