

SAFETY DATA SHEET

Version: 1.0
Revision date: 2026-10-08

Example: Industrial Degreaser XT-40

according to Regulation (EC) No 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878

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

1.1. Product identifier

Trade name Example: Industrial Degreaser XT-40

Product code XT-40

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

Relevant identified uses: Heavy-duty alkaline degreaser for metal parts and floors. Professional use.

Uses advised against: Consumer use.

1.3. Details of the supplier of the safety data sheet

Supplier Example Supplier GmbH

Address Musterstraße 1, 10115 Berlin, Germany

Telephone +49 30 000 0000

E-mail address of the competent person responsible for the SDS sds@example.com

1.4. Emergency telephone number

Emergency telephone +49 30 000 0099 (24 hours, English and German)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Hazard class and category	Hazard statement
Skin Corr. 1	H314
Eye Dam. 1	H318

Full text of the hazard statements: see subsection 2.2.

2.2. Label elements

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



Signal word Danger

Hazardous components which must be listed on the label Sodium hydroxide

Hazard statements

H314 Causes severe skin burns and eye damage.

Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P280 Wear protective gloves, protective clothing, eye protection and face protection.

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

- P305+P351+P338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310** Immediately call a POISON CENTER or doctor.

2.3. Other hazards

The mixture does not contain substances for PBT or vPvB in accordance with REACH Annex XIII at 0.1% or more.

The mixture does not contain substances identified as having endocrine disrupting properties at a concentration of 0.1% or more.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable.

3.2. Mixtures

Aqueous alkaline cleaning mixture of the substances listed below with non-hazardous additions.

Substance name	Identifiers	Concentration (% w/w)	Classification (CLP)	SCL, M-factor, ATE
2-Butoxyethanol	CAS: 111-76-2 EC: 203-905-0 Index: 603-014-00-0	≥ 5 – < 10	Acute Tox. 4 (oral), H302; Acute Tox. 4 (dermal), H312; Acute Tox. 4 (inhalation), H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319	–
Sodium hydroxide	CAS: 1310-73-2 EC: 215-185-5 Index: 011-002-00-6	≥ 1 – < 2	Skin Corr. 1A, H314	Skin Corr. 1A: C ≥ 5 %; Skin Corr. 1B: C ≥ 2 %; Skin Irrit. 2: C ≥ 0.5 %; Eye Irrit. 2: C ≥ 0.5 %

Full text of the H and EUH statements: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information: Remove contaminated clothing immediately. Show this safety data sheet to the doctor in attendance.

Following inhalation: Remove person to fresh air and keep comfortable for breathing.

Following skin contact: Take off immediately all contaminated clothing. Rinse skin with plenty of water/shower for at least 15 minutes. Call a doctor immediately.

Following eye contact: Rinse immediately and cautiously with water for at least 15 minutes, holding the eyelids open. Remove contact lenses, if present and easy to do. Call an ophthalmologist immediately.

Following ingestion: Rinse mouth. Do NOT induce vomiting. Call a poison centre or doctor immediately.

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

Causes burns. Risk of serious damage to eyes.

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

Immediate medical attention is required. Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Water spray, alcohol-resistant foam, dry chemical powder, carbon dioxide (CO₂). The product itself does not burn.

Unsuitable extinguishing media: Full water jet.

5.2. Special hazards arising from the substance or mixture

In case of fire, hazardous combustion products such as carbon monoxide (CO) and carbon dioxide (CO₂) may be formed.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and chemical protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment (see section 8). Avoid contact with skin and eyes. Ensure adequate ventilation.

6.2. Environmental precautions

Do not allow to enter drains, surface water or ground water. Dilute with plenty of water.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomaceous earth, universal binder). Neutralise residues with a dilute acid. Dispose of the collected material according to regulations (see section 13).

6.4. Reference to other sections

For personal protective equipment see section 8. For disposal see section 13.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Avoid contact with skin and eyes. Do not eat, drink or smoke in work areas. Wash hands after use. When diluting, always add the product to water, never water to the product.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Store in a corrosion-resistant container. Keep away from acids, aluminium and zinc. Store locked up.

7.3. Specific end use(s)

No specific end uses other than those listed in section 1.2.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Occupational exposure limits**

Substance	Source	Type	Limit value	Notes
2-Butoxyethanol (CAS 111-76-2)	EU IOELV (Directive 2000/39/EC)	TWA 8 h	98 mg/m ³ (20 ppm)	Skin
2-Butoxyethanol (CAS 111-76-2)	EU IOELV (Directive 2000/39/EC)	STEL 15 min	246 mg/m ³ (50 ppm)	Skin

8.2. Exposure controls**Appropriate engineering controls**

Ensure adequate ventilation, especially in confined areas.

Eye/face protection

Tightly fitting safety goggles (EN 166) and face shield.

Skin protection: hand protection

Protective gloves tested to EN ISO 374 made of nitrile rubber (0.4 mm, breakthrough time > 480 min).

Skin protection: other

Chemical-resistant apron and boots.

Respiratory protection

Not required under normal use with adequate ventilation.

Environmental exposure controls

Do not allow to enter drains or water courses.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Property	Value	Method / remarks
Physical state	Liquid	
Colour	Colourless to pale yellow	
Odour	Slight, characteristic	
Melting point/freezing point	No data available.	
Boiling point or initial boiling point and boiling range	No data available.	
Flammability	No data available.	
Lower and upper explosion limit	No data available.	
Flash point	> 100 °C	Closed cup

Property	Value	Method / remarks
Auto-ignition temperature	No data available.	
Decomposition temperature	No data available.	
pH	13.2 (undiluted, 20 °C)	
Kinematic viscosity	No data available.	
Solubility	Miscible with water	
Partition coefficient n-octanol/water (log value)	No data available.	
Vapour pressure	No data available.	
Density and/or relative density	1.04 g/cm ³ at 20 °C	
Relative vapour density	No data available.	
Particle characteristics	No data available.	

9.2. Other information

No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reacts with acids and with light metals (aluminium, zinc) releasing hydrogen.

10.2. Chemical stability

Stable under recommended storage and handling conditions.

10.3. Possibility of hazardous reactions

Exothermic reaction with acids.

10.4. Conditions to avoid

Frost.

10.5. Incompatible materials

Acids. Aluminium, zinc, tin and their alloys.

10.6. Hazardous decomposition products

Hydrogen in contact with light metals.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Hazard class	Conclusion
Acute toxicity	Based on available data, the classification criteria are not met. ATE(mix) oral: 5000 mg/kg bw; ATE(mix) dermal: 11000 mg/kg bw; ATE(mix) inhalation (vapour): 110 mg/l.
Skin corrosion/irritation	Skin Corr. 1 (calculation method)
Serious eye damage/irritation	Eye Dam. 1 (calculation method)
Respiratory or skin sensitisation	Based on available data, the classification criteria are not met.
Germ cell mutagenicity	Based on available data, the classification criteria are not met.
Carcinogenicity	Based on available data, the classification criteria are not met.
Reproductive toxicity	Based on available data, the classification criteria are not met.
STOT-single exposure	Based on available data, the classification criteria are not met.
STOT-repeated exposure	Based on available data, the classification criteria are not met.
Aspiration hazard	Based on available data, the classification criteria are not met.

11.2. Information on other hazards

11.2.1 Endocrine disrupting properties: The mixture does not contain substances identified as having endocrine disrupting properties at a concentration of 0.1% or more.

11.2.2 Other information: No data available.

SECTION 12: Ecological information

12.1. Toxicity

Based on available data, the classification criteria for hazards to the aquatic environment are not met.

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

The mixture does not contain substances for PBT or vPvB in accordance with REACH Annex XIII at 0.1% or more.

12.6. Endocrine disrupting properties

The mixture does not contain substances identified as having endocrine disrupting properties at a concentration of 0.1% or more.

12.7. Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose of contents/container in accordance with local, regional, national and international regulations. Do not allow to enter drains. Waste codes should be assigned by the user based on the application for which the product was used (European Waste Catalogue).

Contaminated packaging: Empty containers completely. Uncleaned packaging must be disposed of in the same way as the product.

SECTION 14: Transport information

14.1. UN number or ID number

ADR/RID	IMDG	IATA
UN 1719	UN 1719	UN 1719

14.2. UN proper shipping name

ADR/RID	IMDG	IATA
CAUSTIC ALKALI LIQUID, N.O.S. (sodium hydroxide)	CAUSTIC ALKALI LIQUID, N.O.S. (sodium hydroxide)	Caustic alkali liquid, n.o.s. (sodium hydroxide)

14.3. Transport hazard class(es)

ADR/RID	IMDG	IATA
8	8	8

14.4. Packing group

ADR/RID	IMDG	IATA
III	III	III

14.5. Environmental hazards

Environmentally hazardous: no.

14.6. Special precautions for user

No data available.

14.7. Maritime transport in bulk according to IMO instruments

Not relevant.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Candidate List of substances of very high concern (REACH Art. 59): none at 0.1% or more.

Authorisations (REACH Annex XIV): not applicable.

Restrictions (REACH Annex XVII): not applicable.

15.2. Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

SECTION 16: Other information

Indication of changes

First issue.

Full text of H and EUH statements referred to in sections 2 to 15

H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.

Classification procedure (Article 9 of Regulation (EC) No 1272/2008)

Classification	Procedure
Skin Corr. 1	calculation method
Eye Dam. 1	calculation method

Abbreviations and acronyms

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road. ATE: Acute Toxicity Estimate. CAS: Chemical Abstracts Service. CLP: Regulation (EC) No 1272/2008. DNEL: Derived No-Effect Level. EC: European Community number. IATA: International Air Transport Association. IMDG: International Maritime Dangerous Goods Code. M-factor: multiplying factor. PBT: Persistent, Bioaccumulative and Toxic. PNEC: Predicted No-Effect Concentration. REACH: Regulation (EC) No 1907/2006. SCL: Specific Concentration Limit. STOT: Specific Target Organ Toxicity. SVHC: Substance of Very High Concern. UFI: Unique Formula Identifier. vPvB: very Persistent and very Bioaccumulative.

Key literature and sources of data

Supplier safety data sheets of the ingredients; ECHA C&L Inventory; ECHA Guidance on the compilation of safety data sheets, version 4.0, December 2020.

Training advice: Workers should be trained in the safe use and handling of this product.