

# **1.4.** Emergency telephone number

European emergency number: 112

# **SECTION 2: Hazards identification**

# 2.1. Classification of the substance or mixture Classification of the mixture in accordance with Regulation (EC) No 1272/2008 The mixture is classified as dangerous.

Met. Corr. 1, H290 Skin Corr. 1, H314 Eye Dam. 1, H318

Full text of all classifications and hazard statements is given in the section 16.

# Most serious adverse physico-chemical effects

May be corrosive to metals.

**Most serious adverse effects on human health and the environment** Causes severe skin burns and eye damage. Causes serious eye damage.

# 2.2. Label elements

Hazard pictogram



Signal word Danger



according to Regulation (EC) No 1907/2006 (REACH) as amended

# INDUSTRIAL SOOT REMOVER

	INDUSINIAL		
Creation date	19th August 2021		
Revision date		Version	1.0
Hazardous substand	ces		
sodium hydroxide potassium hydroxide			
Hazard statements			
H290	May be corrosive to r	netals.	
H314	Causes severe skin b	urns and eye damage.	
Precautionary state	ments		
P260	Do not breathe mist.		
P280	Wear protective glov	es/protective clothing/	eye protection.
P301+P330+P331	IF SWALLOWED: Rin	se mouth. Do NOT indu	uce vomiting.
P303+P361+P353	IF ON SKIN (or hair)	Take off immediately	all contaminated clothing. Rinse skin

with water or shower.

Immediately call a doctor.

P305+P351+P338

P310

# 2.3. Other hazards

Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended.

lenses, if present and easy to do. Continue rinsing.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

# **SECTION 3: Composition/information on ingredients**

# 3.2. Mixtures

# Chemical characterization

Mixture of substances and additives specified below.

# Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
Index: 011-002-00-6 CAS: 1310-73-2 EC: 215-185-5 Registration number: 01-2119457892-27	sodium hydroxide	1-5	Met. Corr. 1, H290 Skin Corr. 1A, H314 Eye Dam. 1, H318 Specific concentration limit: Skin Corr. 1B, H314: $2 \% \le C < 5 \%$ Skin Corr. 1A, H314: $C \ge 5 \%$ Eye Irrit. 2, H319: $0,5 \% \le C < 2 \%$ Skin Irrit. 2, H315: $0,5 \% \le C < 2 \%$	
Index: 019-002-00-8 CAS: 1310-58-3 EC: 215-181-3 Registration number: 01-2119487136-33	potassium hydroxide	1-5	Met. Corr. 1, H290 Acute Tox. 4, H302 Skin Corr. 1A, H314 Specific concentration limit: Skin Irrit. 2, H315: 0,5 % $\leq$ C < 2 % Skin Corr. 1A, H314: C $\geq$ 5 % Skin Corr. 1B, H314: 2 % $\leq$ C < 5 % Eye Irrit. 2, H319: 0,5 % $\leq$ C < 2 %	
CAS: 15763-76-5 EC: 239-854-6 Registration number: 01-2119489411-37	Sodium p-cumenesulphonate	1-3	Eye Irrit. 2, H319	
Index: 603-096-00-8 CAS: 112-34-5 EC: 203-961-6 Registration number: 01-2119475104-44	2-(2-butoxyethoxy)ethanol	1-2	Eye Irrit. 2, H319	1, 2



according to Regulation (EC) No 1907/2006 (REACH) as amended

# INDUSTRIAL SOOT REMOVER

Creation date Revision date 19th August 2021

Version

1.0

### Notes

1 A substance for which exposure limits are set.

2 The use of the substance is restricted by Annex XVII of REACH Regulation

Full text of all classifications and hazard statements is given in the section 16.

# **SECTION 4: First aid measures**

### 4.1. Description of first aid measures

If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet. DO NOT INDUCE VOMITING! If the person vomits by himself, make sure that the vomit is not inhaled. In life threatening conditions first of all provide resuscitation of the affected person and ensure medical assistance. Always ensure the safety of a person providing aid and a person receiving aid. Personal protective equipment must be donned before entering the contaminated area.

Respiratory arrest - provide artificial respiration immediately.

Cardiac arrest - provide indirect cardiac massage immediately.

If unconscious, put the person in the stabilized (recovery) position on his side with his head slightly bent backwards and make sure that airways are free; never induce vomiting.

### If inhaled

Take care of your own safety, do not let the affected person walk! Terminate the exposure immediately; move the affected person to fresh air. Protect the person against growing cold. If necessary, rinse out your mouth, possibly nose with clean water. Beware of the contaminated clothes. Depending on the situation, call the medical rescue service and ensure medical treatment considering the frequent need of further observation for at least 24 hours.

### If on skin

Remove contaminated clothes. Take off any rings, watches, bracelets before or during washing if worn in the contaminated areas of the skin. Rinse contaminated areas with a flow of water, lukewarm at best, for 10-30 minutes; do not use any brush, soap or neutralizers. Cover corroded parts of the skin with sterile dressing; do not apply ointments or other medicine on the skin. Cover the person to ensure protection against growing cold. Provide medical treatment.

#### If in eyes

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. No neutralization should be performed in any case! Rinsing should be continued for 10-30 minutes from the inner to the outer eye corner to make sure that the other eye is not involved. Continue rinsing. Provide medical treatment. Everyone must be referred for treatment even if affected only a little.

#### If swallowed

DO NOT INDUCE VOMITING! RINSE THE MOUTH WITH WATER IMMEDIATELY AND LET THE PERSON DRINK 2-5 dl of cold water to reduce the heating effect of the corrosive substance. Ensure calm environment for body and mind. The affected person must not be forced to drink, particularly if already feeling pain in the mouth or throat. In this case let the affected person only rinse the mouth with water. Do not provide anything to eat. Do not provide anything by mouth if the person is unconscious or if having cramps. Provide medical treatment.

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

#### If inhaled

Inhaling vapours can cause corrosion of the breathing system.

#### If on skin

Causes severe skin burns and poorly healing wounds. Short-term skin exposure may result in skin dryness, redness and burning etc.

### If in eyes

Causes serious eye damage.

#### If swallowed

Corrosion of the digestion system can occur.

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

Symptomatic treatment.



according to Regulation (EC) No 1907/2006 (REACH) as amended

# **INDUSTRIAL SOOT REMOVER**

Creation date Revision date 19th August 2021

Version

1.0

**SECTION 5: Firefighting measures** 

#### 5.1. **Extinguishing media**

# Suitable extinguishing media

The mixture is non-flammable. Accommodate extinguishing components to the location of fire. Alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist.

# Unsuitable extinguishing media

Water - full jet.

#### 5.2. Special hazards arising from the substance or mixture

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

#### 5.3. Advice for firefighters

Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Use a self-contained breathing apparatus and full-body protective clothing. Use only alkali- and solvent-proof equipment. Prevent other leakage. Closed containers with the product near the fire should be cooled with water. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water. Evacuate area. Keep unprotected persons away.

EN469 - Protective clothing for firefighters.

EN137 - Respiratory protective devices — Self-contained open-circuit compressed air breathing apparatus with full face mask.

# **SECTION 6: Accidental release measures**

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

Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8. Evacuate area. Keep unprotected persons away. Do not breathe mist. Do not inhale aerosols. Prevent contact with skin and eyes.

#### 6.2 **Environmental precautions**

Prevent contamination of the soil and entering surface or ground water.

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

In case of an accidental release, cover all drains. Prevent other leakage. Spilled product should be covered with suitable (non-flammable) absorbing material (sand, diatomaceous earth, earth and other suitable absorption materials); to be contained in well closed containers and removed as per the Section 13. In the event of leakage of the substantial amount of the product, inform fire brigade and other competent bodies. Absorb spillage to prevent material damage. After removal of the product, wash the contaminated site with plenty of water. Do not use solvents.

#### 6.4. **Reference to other sections**

See the Section 7, 8 and 13.

# **SECTION 7: Handling and storage**

#### Precautions for safe handling 7.1.

Do not eat, drink or smoke when using this product. Prevent contact with skin and eyes. Use personal protective equipment as per Section 8. Wash hands and exposed parts of the body thoroughly after handling. Remove contaminated clothing and protective equipment before entering eating areas. Observe valid legal regulations on safety and health protection. Observe usual measures for protection of the environment, see Section 6.2.

#### 7.2. Conditions for safe storage, including any incompatibilities

Do not expose to sunlight. Keep away from heat,open flames. Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose. Keep only in original packaging. Protect from exposure to weather. Protect against frost. Provide alkali-resistant floor. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Content	Packaging type	Material of package
750 ml	bottle	HDPE
Storage temperature	min 0 °	°C, max 30 °C

# Storage temperature

# The specific requirements or rules relating to the substance/mixture

High alkaline cleaner. Do not use in combination with acidic products. Do not use on non-alkali resistant materials. Beware of contact with metallic materials, it may be corrosive. Follow the product label instructions.

#### 7.3. Specific end use(s)

not available



according to Regulation (EC) No 1907/2006 (REACH) as amended

# **INDUSTRIAL SOOT REMOVER**

Creation date Revision date 19th August 2021

Version

1.0

# SECTION 8: Exposure controls/personal protection

#### 8.1. **Control parameters**

The mixture contains substances for which occupational exposure limits are set.

# **European Union**

European Union	Commission Directive 2006/15/EC			
Substance name (component)	Туре	Value		
	OEL 8 hours	67,5 mg/m <sup>3</sup>		
2(2  but over the vertice the notation of  (CAS) = 112(24  E)	OEL 8 hours	10 ppm		
	OEL 15 minutes	101,2 mg/m <sup>3</sup>		
	OEL 15 minutes	15 ppm		

# DNEL

2-(2-butoxyethoxy)ethanol

Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Dermal	83 mg/kg bw/day	Systemic chronic effects		
Workers	Inhalation	101.2 mg/m <sup>3</sup>	Local acute effects		
Workers	Inhalation	67.5 mg/m <sup>3</sup>	Local chronic effects		
Workers	Inhalation	67.5 mg/m <sup>3</sup>	Systemic chronic effects		
Consumers	Oral	5 mg/kg bw/day	Systemic chronic effects		
Consumers	Dermal	50 mg/kg bw/day	Systemic chronic effects		
Consumers	Inhalation	60.7 mg/m <sup>3</sup>	Local acute effects		
Consumers	Inhalation	40.5 mg/m <sup>3</sup>	Local chronic effects		
Consumers	Inhalation	40.5 mg/m <sup>3</sup>	Systemic chronic effects		
potassium hydro	xide	-			
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Inhalation	1 mg/m <sup>3</sup>	Local chronic effects		
Consumers	Inhalation	1 mg/m <sup>3</sup>	Local chronic effects		
sodium hydroxid	e				
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Inhalation	1 mg/m <sup>3</sup>	Local chronic effects		
Consumers	Inhalation	1 mg/m <sup>3</sup>	Local chronic effects		
Sodium p-cumer	nesulphonate				
Workers / consumers	Route of exposure	Value	Effect	Value determination	Source
Workers	Dermal	7.6 mg/kg bw/day	Systemic chronic effects		
Workers	Inhalation	53.6 mg/m <sup>3</sup>	Systemic chronic effects		
Consumers	Oral	3.8 mg/kg bw/day	Systemic chronic effects		
Consumers	Dermal	3.8 mg/kg bw/day	Systemic chronic effects		
Consumers	Inhalation	13.2 mg/m <sup>3</sup>	Systemic chronic effects		



according to Regulation (EC) No 1907/2006 (REACH) as amended

# INDUSTRIAL SOOT REMOVER

Creation date Revision date 19th August 2021

Version

1.0

PNEC

# 2-(2-butoxyethoxy)ethanol

Route of exposure	Value	Value determination	Source
Freshwater environment	1.1 mg/l		
Freshwater sediment	4.4 mg/kg		
Seawater	0.11 mg/l		
Sea sediments	0.44 mg/kg		
Water (intermittent release)	11 mg/l		
Microorganisms in wastewater treatment plants	200 mg/l		
Soil (agricultural)	0.32 mg/kg		
Food chain	56 mg/kg		
Sodium p-cumenesulphonate			

Route of exposure	Value	Value determination	Source
Freshwater environment	0.23 mg/l		
Microorganisms in wastewater treatment plants	3100 mg/l		

# 8.2. Exposure controls

Follow the usual measures intended for health protection at work and especially for good ventilation. This can be achieved only by local suction or efficient general ventilation. When possible, use automated and/or closed systems. Ensure that there is no splashes (do not handle the product above your head, do not pour the product from a height). Ensure that persons handling with the product wear protective equipment and are familiar enough with the corrosive properties of the product. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest. Treat with regenerative cream. Do not eat, drink and smoke during work. Do not store together with food, drink and animal feed.

# Eye/face protection

Protective goggles or face shield (based on the nature of the work performed). EN166 - Personal Eye Protection Standard.

# Skin protection

Hand protection: Protective gloves resistant to the product. EN ISO 374-1. Use barrier creams for skin protection. The glove material must be impermeable and resistant to basis and solvents.

#### Material of gloves (KOH): PVC.

Material of gloves (NaOH): Natural rubber (NR 0.6 mm), nitrile rubber (NBR, 0.4 mm), PVC, neoprene, Butyl rubber. Use if a spill or other accident occurs: viton (FKM, 0.7 mm). Penetration time of glove material: > 480 min.

Material of gloves (2-(2-butoxyethoxy)ethanol): Butyl rubber, polyethylene, chlorinated polyethylene, EVAL. Penetration time of glove material: > 120 min.

When choosing appropriate thickness, material and permeability of the gloves, observe recommendations of their particular manufacturer. Observe other recommendations of the manufacturer.

Other protection: Under regular circumstances it is not necessary. In case of splashing risk: protective workwear and plastic or rubber footwear or rubber apron. Wash contaminated clothing before reuse.

# **Respiratory protection**

Prevent splash and splatter exposure - by using closed systems (if possible), covering containers, not pouring the product from a height, not handling it above your head. Do not inhale gases and vapours. Do not inhale aerosols. Use a mask with filter when the exposition limits of the substances are exceeded or at the place with insufficient ventilation. EN143 - Respiratory protective devices - Particle filters. Use respirator with a 95% minimum efficiency for spraying techniques. Use insulating breathing apparatus in case of an accident, fire or high concentration.

#### Thermal hazard Not available.

# **Environmental exposure controls**

Observe usual measures for protection of the environment, see Section 6.2.

# **SECTION 9: Physical and chemical properties**

# 9.1. Information on basic physical and chemical properties

Physical state

liquid



according to Regulation (EC) No 1907/2006 (REACH) as amended

# INDUSTRIAL SOOT REMOVER

Creatio	on date 19th August 20	1		
Revisio	on date	Version	1.0	
	Colour	vellow		
	Odour	according to fragra	nce	
	Melting point/freezing point	<0 °C		
	Boiling point or initial boiling point and	oiling range data not available		
	Flammability	data not available		
	Lower and upper explosion limit	data not available		
	Flash point	data not available		
	Auto-ignition temperature	data not available		
	Decomposition temperature	data not available		
	рН	12-13 (undiluted)		
	Kinematic viscosity	data not available		
	Solubility in water	miscible		
	Solubility in fats	data not available		
	Partition coefficient n-octanol/water (lo	value) data not available		
	Vapour pressure	data not available		
	Density and/or relative density			
	Density	1,05-1,15 g/cm³ at	: 20 °C	
	Form	liquid		
	data not available			
9.2.	Other information			
	Evaporation rate	data not available		
	Explosive properties	The product does n	ot have explosive properties.	•
	Oxidising properties	The product has no	oxidizing properties.	

# SECTION 10: Stability and reactivity

# 10.1. Reactivity

May be corrosive to metals.

10.2. Chemical stability

The product is stable under normal conditions.

# **10.3.** Possibility of hazardous reactions

The product is stable under normal conditions. Violent neutralisation reaction may occur on contact with products containing acids.

# 10.4. Conditions to avoid

The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost. Protect from sunlight.

# 10.5. Incompatible materials

Non-alkali-resistant materials - e.g. aluminum, zinc, magnesium. Protect against strong acids and oxidizing agents. May be corrosive to metals.

#### 10.6. Hazardous decomposition products Not developed under normal uses. In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise.

# SECTION 11: Toxicological information

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

No toxicological data is available for the mixture.

# Acute toxicity

Based on available data the classification criteria are not met.

2-(2-butoxyethoxy)ethanol

Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD 50	>2000 mg/kg		Rat	
Dermal	LD50	>2000 mg/kg		Rabbit	



according to Regulation (EC) No 1907/2006 (REACH) as amended

# INDUSTRIAL SOOT REMOVER

Creation date 19th August 2021 Revision date Version 1.0 potassium hydroxide

	runneter	Value	Exposure time	Species	SCA	
Oral	LD50	333 mg/kg		Rat		
sodium hydroxide						
Route of exposure	Parameter	Value	Exposure time	Species	Sex	
Intraperitoneally	LD50	40 mg/kg		Mouse		
Oral	LDL 0	500 mg/kg		Rabbit		
Dermal	LD 50	1350 mg/kg		Rabbit		
Sodium p-cumenesulpl	honate					

Route of exposure	Parameter	Value	Exposure time	Species	Sex
Oral	LD50	7200 mg/kg		Rat	
Dermal	LD 50	2000 mg/kg		Rat	

# Skin corrosion/irritation

Causes severe skin burns and eye damage.

# Serious eye damage/irritation

Causes severe skin burns and eye damage. Causes serious eye damage.

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.

# Toxicity for specific target organ - single exposure

Based on available data the classification criteria are not met.

# **Toxicity for specific target organ - 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

not available

# **SECTION 12: Ecological information**

# 12.1. Toxicity

# Acute toxicity

2-(2-butoxyethoxy)ethanol

Parameter	Value	Exposure time	Species	Environment	Value determination		
LC50	1300 mg/l	96 hour	Fishes (Lepomis macrochirus)				
EC₅o	>100 mg/l	48 hour	Daphnia (Daphnia magna)				
EC₅o	>100 mg/l	96 hour	Algae (Scenedesmus subspicatus)				
EC50	255 mg/l		Bacteria		Static system		
potassium hydrox	potassium hydroxide						
Parameter	Value	Exposure time	Species	Environment	Value determination		
LD 5 0	100-10 mg/l	96 hour	Fishes				



according to Regulation (EC) No 1907/2006 (REACH) as amended

# INDUSTRIAL SOOT REMOVER

Creation date19th August 2021Revision dateVersion1.0

# potassium hydroxide

,					
Parameter	Value	Exposure time	Species	Environment	Value determination
LC50	270 mg/l	24 hour	Daphnia (Daphnia magna)		
LC	28.6 mg/l	24 hour	Fishes		
odium hydroxide					
Parameter	Value	Exposure time	Species	Environment	Value determination
LC50	160 mg/l	24 hour	Fishes (Carassius auratus)		
LC50	125 mg/l	96 hour	Fishes (Gambusia affinis)		
LC 100	180 mg/l	24 hour	Fishes (Cyprinus carpio)		
EC₅o	40.4 mg/l	48 hour	Invertebrates (Daphnia magna)		
Sodium p-cumenesulphonate					
Parameter	Value	Exposure time	Species	Environment	Value

Fishes

Algae

Daphnia

# 12.2. Persistence and degradability

1000 mg/l

1000 mg/l

230 mg/l

# Biodegradability

LC<sub>50</sub>

EC50

IC50

2-(2-butoxyethoxy)ethanol

Parameter	Method	Value	Exposure time	Environment	Result
	OECD 301C	89-93 %	28 day		Biodegradable
	OECD 302B	100 %	28 day	Activated sludge	Biodegradable
BSK5		27 %			
BSK10		60 %			
BSK20		81 %			

Surfactants are biodegradable according to the European Parliament and Council Regulation (EC) No. 648/2004 on detergents, as amended.

# 12.3. Bioaccumulative potential

### 2-(2-butoxyethoxy)ethanol

Parameter	Value	Exposure time	Species	Environment	Temperature [°C]
BCF	<100				
Log Pow	<3				

Sodium hydroxide: Bioaccumulation in organisms is unlikely.

Potassium hydroxide: Bioaccumulation in organisms is unlikely.

2-(2-butoxyethoxy)ethanol: Bioaccumulation in organisms is unlikely.

Sodium p-cumenesulphonate: No bioaccumulation potential.

# 12.4. Mobility in soil

2-(2-butoxyethoxy)ethanol

Parameter	Value	Environment	Temperature
Кос	2		

2-(2-butoxyethoxy)ethanol: The substance will not evaporate into the atmosphere from the water surface. Potential for mobility in soil is high. Adsorption to the solid soil phase is not expected.

Sodium hydroxide: Soluble in water. Ion exchange may occur when the product diffuse into the soil.

Potassium hydroxide: Soluble in water. Ion exchange may occur when the product diffuse into the soil. Sodium p-cumenesulphonate: Soluble in water. May soak into the soil when dissolved in water.



according to Regulation (EC) No 1907/2006 (REACH) as amended

# INDUSTRIAL SOOT REMOVER

Creation date

Revision date

Version

1.0

# 12.5. Results of PBT and vPvB assessment

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

# 12.6. Endocrine disrupting properties

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

# 12.7. Other adverse effects

Sodium hydroxide: Harmful for aquatic organisms. Do not allow to enter drains. A high pH-value harms aquatic organisms.

Potassium hydroxide: Harmful for aquatic organisms. Do not allow to enter drains. A high pH-value harms aquatic organisms.

Sodium p-cumenesulphonate: Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

# SECTION 13: Disposal considerations

# 13.1. Waste treatment methods

Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations. Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Recycle the product where possible, or neutralize it and then dispose of to a wastewater treatment plant. Incineration or landfill should only be considered when recycling is not feasible. Perfectly cleaned containers can be submitted for recycling.

# Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

### Waste type code

16 03 05 organic wastes containing hazardous substances \*

19th August 2021

20 01 15 Alkalines \*

20 01 29 detergents containing hazardous substances \*

# Packaging waste type code

15 01 10 packaging containing residues of or contaminated by hazardous substances \*

15 01 02 plastic packaging

(\*) - Hazardous waste according to Directive 2008/98/EC on hazardous waste

# **SECTION 14:** Transport information

- 14.1. UN number or ID number
  - UN 1719
- 14.2. UN proper shipping name

CAUSTIC ALKALI LIQUID, N.O.S. (Sodium hydroxide, potassium hydroxide, solution)

- 14.3. Transport hazard class(es)
  - 8 Corrosive substances
- 14.4. Packing group

II - substances presenting medium danger

14.5. Environmental hazards

# 14.6. Special precautions for user

Reference in the Sections 4 to 8.

**14.7.** Maritime transport in bulk according to IMO instruments not relevant



according to Regulation (EC) No 1907/2006 (REACH) as amended

# INDUSTRIAL SOOT REMOVER

	INDUSIN			
Creation date Revision date	19th August 2021	Version	1.0	
Additional info	ormation			
Hazard ide	ntification No.	80		
UN numbe	r	1719		
Classificati	on code	C5		
Safety sigr	IS	8		
		8		
Road transpor	t - ADR			
Excepted q	uantities	E2		
Railway trans	port - RID			

# **SECTION 15: Regulatory information**

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

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16th December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006, as amended.

# Restrictions pursuant to Annex XVII of Regulation (EC) No. 1907/2006 (REACH), as amended

2-(2-butoxyethoxy)ethanol

Restriction	Conditions of restriction
55	1. Shall not be placed on the market for the first time after 27 June 2010, for supply to the general public, as a constituent of spray paints or spray cleaners in aerosol dispensers in concentrations equal to or greater than 3 % by weight.
	2. Spray paints and spray cleaners in aerosol dispensers containing DEGBE and not conforming to paragraph 1 shall not be placed on the market for supply to the general public after 27 December 2010.
	3. Without prejudice to other Community legislation concerning the classification, packaging and labelling of substances and mixtures, suppliers shall ensure before the placing on the market that paints other than spray paints containing DEGBE in concentrations equal to or greater than 3 % by weight of that are placed on the market for supply to the general public are visibly, legibly and indelibly marked by 27 December 2010 as follows:
	"Do not use in paint spraying equipment".

# 15.2. Chemical safety assessment

not available

# **SECTION 16: Other information**

A list of standard risk phrases used in the safety data sheet					
H290	May be corrosive to metals.				
H302	Harmful if swallowed.				
H314	Causes severe skin burns and eye damage.				
H315	Causes skin irritation.				
H318	Causes serious eye damage.				
H319	Causes serious eye irritation.				



according to Regulation (EC) No 1907/2006 (REACH) as amended

# INDUSTRIAL SOOT REMOVER

Creation date	19th Aug	ust 2021				
Revision date			Version	1.0		
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Guidelines	TOF SATE NANGLING L	ised in the safety da	ta sneet			
r20U	 		(protoctive elettic	a love protection		
P280		F CWALLOWED: Dives	protective clothin	g/eye protection.		
P301+P330-	+P331 1	F SWALLOWED: RINSE		nauce vomiting.		
P303+P361	۱ ۲۵۵۶+ ۱	with water or shower.				
P305+P351	+P338 I	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact				
P310	1	enses, if present and e	easy to do. Continu	Je rinsing.		
P310 Other impe	rtant information		protoction			
The product			by the manufact	urar/importar used for purposes other than		
as ner the S	ection 1 The user is	responsible for adhere	ance to all related	health protection regulations		
Key to abb	reviations and acro	nyms used in the sa		nearth protection regulations.		
ADR		Furopean agreement o	oncerning the inte	rnational carriage of dangerous goods by		
, ibit	1	road	sheering the file	mational carriage of adhigerous goods by		
BCF	E	Bioconcentration Facto	r			
BSK	F	Biochemical oxygen de	mand			
CAS	(	Chemical Abstracts Ser	vice			
CLP	F	Regulation (FC) No 127	72/2008 on classifi	cation, labelling and packaging of		
01.	5	substance and mixture	5			
DNEL	[	Derived no-effect level				
EC50	(	Concentration of a sub	stance when it is a	ffected 50% of the population		
EINECS	F	uropean Inventory of	Existing Commerc	ial Chemical Substances		
EmS	I	mergency plan				
FS		dentification code for (	each substance list	ted in FINECS		
FU	-	uronean Union				
EUPCS	L F	European Product Cate	aorication System			
TATA	1	ntornational Air Trans	port Accordiation			
	1	International All ITalis		And Equipment of China Corrying		
IBC	נ ]	Dangerous Chemicals	The construction /	And Equipment of Ships Carrying		
IC 5 0	(	Concentration causing	50% blockade			
ICAO	]	nternational Civil Avia	tion Organization			
IMDG	]	nternational Maritime	Dangerous Goods			
INCI	]	nternational Nomencla	ture of Cosmetic I	Ingredients		
ISO	]	nternational Organizat	ion for Standardiz	ation		
IUPAC	]	nternational Union of I	Pure and Applied C	Chemistry		
LC50	l	ethal concentration of	a substance in wh	nich it can be expected death of 50% of the		
	ŀ	ethal dose of a substa	nce in which it car	be expected death of $50\%$ of the		
;;		opulation				
log Kow	(	Octanol-water partition	coefficient			
MARPOL	]	nternational Convention	on for the Preventi	on of Pollution from Ships		
OEL	(	Occupational Exposure	Limits			
PBT	I	Persistent, Bioaccumula	ative and Toxic			
PNEC	ſ	Predicted no-effect con	centration			
ppm	F	Parts per million				
REACH	F	Registration, Evaluation	n, Authorisation ar	nd Restriction of Chemicals		
RID		areement on the tran	sport of dangerous	s goods by rail		
UN	, I	our-figure identificatio	n number of the s	ubstance or article taken from the UN		
	1	Nodel Regulations				
UVCB	ł	bubstances of unknown biological materials	i or variable comp	osition, complex reaction products or		
VOC	N	olatile organic compo	unds			
vPvB	N	/ery Persistent and ver	ry Bioaccumulative			
Acute Tox.	/	Acute toxicity				
Eye Dam.	9	Serious eye damage				



according to Regulation (EC) No 1907/2006 (REACH) as amended

# INDUSTRIAL SOOT REMOVER

Creation date	19th August 2021		
Revision date		Version	1.0

Eye Irrit.Eye irritationMet. Corr.Corrosive to metalsSkin Corr.Skin corrosionSkin Irrit.Skin irritation

### Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

### **Recommended restrictions of use**

not available

### Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

## Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.