

Catalytic solution (CTS)

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Issue date: 2/2/2023 Version: 1.0

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

1.1. Product identifier

Product form : Mixture
Trade name : Catalytic solution (CTS)
Type of product Solution

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

1.2.1. Relevant identified uses

Main use category : Professional use
Use of the substance/mixture Reagent

1.2.2. Uses advised against

Restrictions on use Not specified

1.3. Details of the supplier of the safety data sheet

Chromservis s.r.o.

Jakobiho 327, 109 00 Prague 10 – Petrovice

T: +420 274 021 211

E-mail: info@chromservis.eu

www.chromservis.eu

1.4. Emergency telephone number

Country	Official advisory body	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH Birmingham	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Cardiff Centre) University Hospital Llandough	Penlan Road CF64 2XX Llandough	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Edinburgh Centre) Royal Infirmary of Edinburgh	Little France Crescent EH16 4SA Edinburgh	0344 892 0111	Only for healthcare professionals
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	+44 20 7188 7188	
United Kingdom	National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre	16/17 Framlington Place Newcastle-upon-Tyne NE2 4AB Newcastle	0344 892 0111	Only for healthcare professionals
United Kingdom	National Poisons Information Service (Belfast Centre) Royal Victoria Hospital	Grosvenor Road BT12 6BA Belfast	0344 892 0111	Only for healthcare professionals

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Skin corrosion/irritation, Category 1

H314

Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

Catalytic solution (CTS)

Safety Data Sheet

according to Regulation (EU) 2015/830

2.2. Label elements

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

Hazard pictograms (CLP)



GHS05

Signal word (CLP)

: Danger

Hazard statements (CLP)

: H314 - Causes severe skin burns and eye damage.

Precautionary statements (CLP)

: P261 - Avoid breathing vapours.

P264 - Wash hands thoroughly after handling.

P280 - Wear protective gloves.

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.

P310 - Immediately call a POISON CENTER, a doctor.

P501 - Dispose of contents and container to a hazardous or special waste collection point.

2.3. Other hazards

Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Sodium hydroxide	CAS-No.: 1310-73-2 EC-No.: 215-185-5 EC Index-No.: 011-002-00-6 REACH-no: 01-2119457892-27	≤ 5	Met. Corr. 1, H290 Skin Corr. 1A, H314 Eye Dam. 1, H318
Pyridine	CAS-No.: 110-86-1 EC-No.: 203-809-9 REACH-no: 01-2119-493105-40-	≤ 4	Flam. Liq. 2, H225 Acute Tox. 4 (Oral), H302 (ATE=891 mg/kg bodyweight) Acute Tox. 4 (Dermal), H312 (ATE=1121 mg/kg bodyweight) Acute Tox. 4 (Inhalation), H332 (ATE=1.5 mg/l/4h) Acute Tox. 4 (Inhalation:dust,mist), H332 (ATE=1.5 mg/l/4h) Skin Irrit. 2, H315 Eye Irrit. 2, H319

Catalytic solution (CTS)

Safety Data Sheet

according to Regulation (EU) 2015/830

Specific concentration limits:		
Name	Product identifier	Specific concentration limits
Sodium hydroxide	CAS-No.: 1310-73-2 EC-No.: 215-185-5 EC Index-No.: 011-002-00-6 REACH-no: 01-2119457892-27	(0.5 ≤C < 2) Eye Irrit. 2, H319 (0.5 ≤C < 2) Skin Irrit. 2, H315 (2 ≤C < 5) Skin Corr. 1B, H314 (5 ≤C < 100) Skin Corr. 1A, H314

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: If possible, show the doctor this safety data sheet. Failing this, show the doctor the packaging or label.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Consult a doctor/medical service if you feel unwell.
First-aid measures after skin contact	: Wash skin with plenty of water. Take off contaminated clothing. If symptoms persist call a doctor.
First-aid measures after eye contact	: Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minutes minimum).
First-aid measures after ingestion	: Do not induce vomiting. Rinse mouth thoroughly with water. Drink two glasses of water. Consult a doctor/medical service.

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

No additional information available

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

No special means are stated.

If any health troubles appear or in case of doubt, please inform the doctor and provide the information from this safety sheet.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: The product is not flammable. Use extinguishing agent suitable for surrounding fire. Foam. Dry powder. Carbon dioxide. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Do not breathe fumes from fires or vapours from decomposition.
Hazardous decomposition products in case of fire	: Hazardous decomposition products in case of fire.

5.3. Advice for firefighters

Precautionary measures fire	: Do not breathe vapours.
Firefighting instructions	: Cool containers / tanks with spray water if possible.
Protection during firefighting	: Use a self-contained breathing apparatus and also a protective suit.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment	: Avoid contact with skin, eyes and clothing. See Section 8.
Emergency procedures	: Do not breathe vapours. In case of inadequate ventilation wear respiratory protection. Remove all sources of ignition. Evacuate personnel to a safe area.

Catalytic solution (CTS)

Safety Data Sheet

according to Regulation (EU) 2015/830

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection. See Section 8.
Emergency procedures : Ventilate area.

6.2. Environmental precautions

Do not allow the mixture to enter into sewer, water system (underground water, surface water) or soil. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : For small spills, take up sand and or other absorbent material and place into containers for later disposal. Soak up with inert absorbent material (for example sand, sawdust, a universal binder, silica gel). Wash away remainder with plenty of water.

6.4. Reference to other sections

See sections 7, 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Ensure adequate ventilation. See section 8.
Precautions for safe handling : When handling product, avoid contact with skin and eyes. Use personal protective equipment as required.
Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store tightly closed in a dry, cool and well-ventilated place. Store away from direct sunlight or other heat sources. When not in use, keep containers tightly closed.

7.3. Specific end use(s)

See article 1.2.1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

Pyridine (110-86-1)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Pyridine
IOEL TWA	15 mg/m ³
IOEL TWA [ppm]	5 ppm
Remark	Skin. (Year of adoption 2004)
Regulatory reference	COMMISSION DIRECTIVE 91/322/EEC; SCOEL Recommendations

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

Catalytic solution (CTS)

Safety Data Sheet

according to Regulation (EU) 2015/830

8.1.4. DNEL and PNEC

Pyridine (110-86-1)	
DNEL/DMEL (Workers)	
Acute - systemic effects, inhalation	22.8 mg/m ³
Long-term - systemic effects, dermal	0.14 mg/kg dwt
Long-term - systemic effects, inhalation	7.6 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	0.07 mg/kg dwt
Long-term - systemic effects, inhalation	1.9 mg/m ³
Long-term - systemic effects, dermal	0.07 mg/kg dwt
PNEC (Water)	
PNEC aqua (freshwater)	0.3 mg/l
PNEC aqua (marine water)	0.03 mg/l
PNEC aqua (intermittent, freshwater)	3 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	3.2 mg/kg dwt
PNEC sediment (marine water)	0.32 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.46 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	2 mg/l

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Avoid contact with skin and eyes. Ensure good ventilation of the work station. Keep away from food, drink and animal feedingstuffs. Remove contaminated clothes.

8.2.2. Personal protection equipment

Personal protective equipment:

Avoid all unnecessary exposure.

8.2.2.1. Eye and face protection

Eye protection:

Protective goggles

8.2.2.2. Skin protection

Skin and body protection:

Not required for normal conditions of use. Normal overalls

Hand protection:

Gloves for work in laboratory conditions.

For working with a large amount of solution:

Hand protection: adequate protective gloves according to ČSN EN 374. When choosing gloves, care must be taken to ensure that they are made of suitable materials, have sufficient thickness and do not have a lower penetration resistance than required. After finishing, the gloves must be cleaned and washed before washing. Sufficient attention should be paid to the care of the skin of the hands. The inside of the gloves should not contain powders that can cause allergies to the skin of the hands

Catalytic solution (CTS)

Safety Data Sheet

according to Regulation (EU) 2015/830

8.2.2.3. Respiratory protection

Respiratory protection:

Under normal conditions of use, in the laboratory, no respiratory protection is required.

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

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
Colour	: white.
Odour	: characteristic.
Odour threshold	: Not available
Melting point	: 320 – 324 °C
Freezing point	: Not available
Boiling point	: 0 – 0 °C
Flammability	: Non flammable.
Explosive properties	: Not explosive.
It does not have oxidising properties	: It does not have oxidising properties.
Explosion limits	: Not available
Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: Not available
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
pH	: Not available
pH solution	: < 1 (3% solution)
Viscosity, kinematic	: Not available
Solubility	: Soluble in water. Organic solvent:insoluble
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: @ 20°C
Relative density	: Not available
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

Pyridine (110-86-1)

Boiling point	115 °C
Flash point	20 °C
Auto-ignition temperature	900 at 1.013 hPa
Vapour pressure	26.7 hPa at 25 °C

Sodium hydroxide (1310-73-2)

Boiling point	128 °C
---------------	--------

Catalytic solution (CTS)

Safety Data Sheet

according to Regulation (EU) 2015/830

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is stable at normal handling and storage conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Acids.

10.4. Conditions to avoid

Contact with : Incompatible materials.

10.5. Incompatible materials

Strong acids. Metals. Strong oxidizing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

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

Acute toxicity (oral) : Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal) : Not classified. (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation) : Not classified (Based on available data, the classification criteria are not met)

Pyridine (110-86-1)	
LD50 oral rat	891 mg/kg
LD50 dermal rabbit	1121 mg/kg
LC50 Inhalation - Rat (Vapours)	0.0285 mg/l/4h

Skin corrosion/irritation : Causes severe skin burns.

Pyridine (110-86-1)	
pH	≤ 8.81 at 20 °C

Serious eye damage/irritation : Assumed to cause serious eye damage

Pyridine (110-86-1)	
pH	≤ 8.81 at 20 °C

Respiratory or skin sensitisation : Not classified
Additional information : Based on available data, the classification criteria are not met
Germ cell mutagenicity : Not classified
Additional information : Based on available data, the classification criteria are not met
Carcinogenicity : Not classified
Additional information : Based on available data, the classification criteria are not met
Reproductive toxicity : Not classified

Catalytic solution (CTS)

Safety Data Sheet

according to Regulation (EU) 2015/830

Additional information	: Based on available data, the classification criteria are not met
STOT-single exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met
STOT-repeated exposure	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified
Additional information	: Based on available data, the classification criteria are not met

Pyridine (110-86-1)

Viscosity, kinematic	No data available
----------------------	-------------------

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties	: The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %
--	--

11.2.2. Other information

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

Pyridine (110-86-1)

LC50 - Fish [1]	99 mg/l Pimephales promelas
EC50 - Crustacea [1]	320 mg/l (Daphnia magna, OECD 202)
EC50 72h - Algae [1]	320 mg/l (Selenastrum capric., static, OECD 201)

Sodium hydroxide (1310-73-2)

LC50 - Fish [1]	> 141.8 mg/l
EC50 - Crustacea [1]	237.5 mg/l

12.2. Persistence and degradability

Pyridine (110-86-1)

Persistence and degradability	Readily biodegradable.
Biodegradation	97 % 19 d, OECD 301 A (Die-Away-Test)

Sodium hydroxide (1310-73-2)

Persistence and degradability	Hydrolysis in water.
-------------------------------	----------------------

12.3. Bioaccumulative potential

Pyridine (110-86-1)

Partition coefficient n-octanol/water (Log Pow)	0.64 at 20 °C
---	---------------

Catalytic solution (CTS)

Safety Data Sheet

according to Regulation (EU) 2015/830

Sodium hydroxide (1310-73-2)

Partition coefficient n-octanol/water (Log Pow)	Not relevant - inorganic substance
Bioaccumulative potential	Bioaccumulation unlikely.

12.4. Mobility in soil

Pyridine (110-86-1)

Surface tension	36.56 mN/m at 25 °C
-----------------	---------------------

Sodium hydroxide (1310-73-2)

Mobility in soil	0 – 50
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	≈ 14 estimation
Ecology - soil	The data are not available.

12.5. Results of PBT and vPvB assessment

Component

Sodium hydroxide (1310-73-2)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
------------------------------	---

12.6. Endocrine disrupting properties

Adverse effects on the environment caused by endocrine disrupting properties	: The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %.
--	---

12.7. Other adverse effects

Additional information	: Avoid release to the environment.
------------------------	-------------------------------------

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods	: Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company..
Product/Packaging disposal recommendations	: Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

SECTION 14: Transport information






In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
UN 1824	UN 1824	UN 1824	UN 1824	UN 1824
14.2. UN proper shipping name				
SODIUM HYDROXIDE SOLUTION	SODIUM HYDROXIDE SOLUTION	Sodium hydroxide solution	SODIUM HYDROXIDE SOLUTION	SODIUM HYDROXIDE SOLUTION

Catalytic solution (CTS)



Safety Data Sheet

according to Regulation (EU) 2015/830

ADR	IMDG	IATA	ADN	RID
Transport document description (ADR)				
UN 1824 SODIUM HYDROXIDE SOLUTION, 8, III, (E)	UN 1824 SODIUM HYDROXIDE SOLUTION, 8, III	UN 1824 Sodium hydroxide solution, 8, III	UN 1824 SODIUM HYDROXIDE SOLUTION, 8, III	UN 1824 SODIUM HYDROXIDE SOLUTION, 8, III
14.3. Transport hazard class(es)				
8	8	8	8	8
				
14.4. Packing group				
III	III	III	III	III
14.5. Environmental hazards				
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No
No supplementary information available				

14.6. Special precautions for user

Overland transport

Classification code (ADR)	: C5
Limited quantities (ADR)	: 5I
Excepted quantities (ADR)	: E1
Packing instructions (ADR)	: P001, IBC03, LP01, R001
Mixed packing provisions (ADR)	: MP19
Portable tank and bulk container instructions (ADR)	: T4
Portable tank and bulk container special provisions (ADR)	: TP1
Tank code (ADR)	: L4BN
Vehicle for tank carriage	: AT
Transport category (ADR)	: 3
Special provisions for carriage - Packages (ADR)	: V12
Hazard identification number (Kemler No.)	: 80
Orange plates	:  
Tunnel restriction code (ADR)	: E

Transport by sea

Special provisions (IMDG)	: 223
Limited quantities (IMDG)	: 5 L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: P001, LP01
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP1
EmS-No. (Fire)	: F-A
EmS-No. (Spillage)	: S-B
Stowage category (IMDG)	: A
Segregation (IMDG)	: SGG18, SG35

Catalytic solution (CTS)

Safety Data Sheet

according to Regulation (EU) 2015/830

Air transport

PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y841
PCA limited quantity max net quantity (IATA)	: 1L
PCA packing instructions (IATA)	: 852
PCA max net quantity (IATA)	: 5L
CAO packing instructions (IATA)	: 856
CAO max net quantity (IATA)	: 60L
Special provisions (IATA)	: A3, A803
ERG code (IATA)	: 8L

Inland waterway transport

Classification code (ADN)	: C5
Limited quantities (ADN)	: 5 L
Excepted quantities (ADN)	: E1
Carriage permitted (ADN)	: T
Equipment required (ADN)	: PP, EP
Number of blue cones/lights (ADN)	: 0

Rail transport

Classification code (RID)	: C5
Limited quantities (RID)	: 5L
Excepted quantities (RID)	: E1
Packing instructions (RID)	: P001, IBC03, LP01, R001
Mixed packing provisions (RID)	: MP19
Portable tank and bulk container instructions (RID)	: T4
Portable tank and bulk container special provisions (RID)	: TP1
Tank codes for RID tanks (RID)	: L4BN
Special provisions for RID tanks (RID)	: TU42
Transport category (RID)	: 3
Special provisions for carriage – Packages (RID)	: W12
Colis express (express parcels) (RID)	: CE8
Hazard identification number (RID)	: 80

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Catalytic solution (CTS)

Safety Data Sheet

according to Regulation (EU) 2015/830

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

For this substance a chemical safety assessment has been carried out

For the following substances of this mixture a chemical safety assessment has been carried out:

Sodium hydroxide

SECTION 16: Other information

SECTION 16: Other information

Indication of changes

Section	Changed item	Change	Comments
1-16	New processing of the sheet.		According to Regulation 2020/878

Abbreviations and acronyms:

CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
BCF	Bioconcentration factor
ATE	Acute Toxicity Estimate
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
CAS-No.	Chemical Abstract Service number
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC-No.	European Community number
EC50	Median effective concentration
ED	Endocrine disrupting properties
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
vPvB	Very Persistent and Very Bioaccumulative
PBT	Persistent Bioaccumulative Toxic
N.O.S.	Not Otherwise Specified

Catalytic solution (CTS)

Safety Data Sheet

according to Regulation (EU) 2015/830

Data sources : Information from the manufacturer. ECHA (European Chemicals Agency).
Training advice : Safety training for chemicals handling.
Other information : None.

Full text of H- and EUH-statements:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
H225	Highly flammable liquid and vapour.
H290	May be corrosive to metals.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
Met. Corr. 1	Corrosive to metals, Category 1
Skin Corr. 1A	Skin corrosion/irritation, Category 1, Sub-Category 1A
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Skin Corr. 1	H314	On basis of test data
--------------	------	-----------------------

Labeling according to Regulation (EC) No. 1272/2008 [CLP] - small packages up to 125 ml:

Hazard pictograms (CLP)



Signal word (CLP)

Contains

Hazard statements (CLP)

Precautionary statements (CLP)

Danger

Sodium hydroxide

Causes severe skin burns and eye damage.

IF ON SKIN: Wash with plenty of water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing Immediately call a POISON CENTER/doctor.

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.