3.0% NaOH Reagent

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878
Issue date: 2023-04-28

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

1.1. Product identifier

Product form	:	Mixture
Trade name	:	3.0% NAOH Reagent
Product code	:	NAOH30
Product group	:	Trade product

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

1.2.1. Relevant identified uses

Use of the substance/mixture	:	For in vitro diagnostic use only

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

IMMY (Immuno-Mycologics, Inc.)
2701 Corporate Centre Dr.
Norman, OK 73069 - USA
T 405-360-4669
sds@immy.com - www.immy.com

1.4. Emergency telephone number

Emergency number	:	+1-800-654-3639 8:30 AM - 5:00 PM, Monday - Friday

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, Sub-Category 1B	H314
Serious eye damage/eye irritation, Category 1	H318

Full text of H-statements: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

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)	:	P260 - Do not breathe mist/vapours/spray. P264 - Wash hands, forearms and face thoroughly after handling. P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection. P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with 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 or doctor.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards

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	1 – 5	Skin Corr. 1A, H314

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	(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-statements: see section 16

SECTION 4: First Aid measures

4.1. Description of first aid measures

First-aid measures general : If exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to an unconscious person.

First-aid measures after inhalation : IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention. If breathing is difficult, supply oxygen. If breathing has stopped, give artificial respiration.

First-aid measures after skin contact : IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with water for at least 15 minutes. If irritation develops or persists, get medical attention immediately.

First-aid measures after eye contact : IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. Get medical attention immediately. Continue rinsing.

First-aid measures after ingestion : IF SWALLOWED: rinse mouth thoroughly. Do not induce vomiting without advice from poison control center or medical professional. Get medical attention immediately.

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

Symptoms/effects : Causes severe skin burns and eye damage.

Symptoms/effects after inhalation : May cause respiratory irritation.

Symptoms/effects after skin contact : Causes severe skin burns.

Symptoms/effects after eye contact : Causes serious eye damage.

Symptoms/effects after ingestion : May cause gastrointestinal irritation.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Foam. Carbon dioxide. Dry powder. Water spray.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Not flammable.
Explosion hazard : Product is not explosive.
Reactivity in case of fire : None known.
Hazardous decomposition products in case of fire : Thermal decomposition is highly dependent on conditions. A complex mixture of airborne solids, liquids and gases, including carbon oxides and other organic compounds will be evolved when this material undergoes thermal degradation.

5.3. Advice for firefighters

Precautionary measures fire : Eliminate all ignition sources if safe to do so.
Firefighting instructions : Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. Do not dispose of fire-fighting water in the environment.
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Evacuate area. Ventilate area. Keep upwind. Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection.

6.1.1. For non-emergency personnel

Protective equipment : Wear Protective equipment as described in Section 8.
Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Wear suitable protective clothing, gloves and eye or face protection. Approved supplied-air respirator, in case of emergency.

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Prevent entry to sewers and public waters.
Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. This material and its container must be disposed of in a safe way, and as per local legislation.

6.4. Reference to other sections

See Sections 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Do not handle until all safety precautions have been read and understood. Keep container closed when not in use. Avoid contact with skin and eyes. Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in original container. Keep container closed when not in use. Containers which are opened should be properly resealed and kept upright to prevent leakage. Store in a dry, cool and well-ventilated place.

Incompatible materials : No data available.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. National occupational exposure and biological limit values

Sodium hydroxide (1310-73-2)	
Austria - Occupational Exposure Limits	
MAK (OEL TWA)	2 mg/m³ inhalable aerosol
MAK (OEL STEL)	4 mg/m³ inhalable aerosol
Belgium - Occupational Exposure Limits	
OEL TWA	2 mg/m³
Bulgaria - Occupational Exposure Limits	
OEL TWA	2 mg/m³ (alkaline aerosols)
Croatia - Occupational Exposure Limits	
KGVI (OEL STEL)	2 mg/m³
Czech Republic - Occupational Exposure Limits	
PEL (OEL TWA)	1 mg/m³
Denmark - Occupational Exposure Limits	
OEL TWA [1]	2 mg/m³
OEL STEL	2 mg/m³
OEL C	2 mg/m³
Estonia - Occupational Exposure Limits	
OEL TWA	1 mg/m³
OEL STEL	2 mg/m³
Finland - Occupational Exposure Limits	
OEL C	2 mg/m³
France - Occupational Exposure Limits	
VME (OEL TWA)	2 mg/m³

Sodium hydroxide (1310-73-2)	
Greece - Occupational Exposure Limits	
OEL TWA	2 mg/m³
OEL STEL	2 mg/m³
Hungary - Occupational Exposure Limits	
AK (OEL TWA)	2 mg/m³
CK (OEL STEL)	2 mg/m³
Ireland - Occupational Exposure Limits	
OEL STEL	2 mg/m³
Latvia - Occupational Exposure Limits	
OEL TWA	0.5 mg/m³
Lithuania - Occupational Exposure Limits	
NRV (OEL C)	2 mg/m³
Poland - Occupational Exposure Limits	
NDS (OEL TWA)	0.5 mg/m³
NDSCh (OEL STEL)	1 mg/m³
Portugal - Occupational Exposure Limits	
OEL C	2 mg/m³
Slovakia - Occupational Exposure Limits	
NPHV (OEL TWA) [1]	2 mg/m³
Spain - Occupational Exposure Limits	
VLA-ED (OEL TWA) [1]	2 mg/m³
VLA-EC (OEL STEL)	2 mg/m³
Sweden - Occupational Exposure Limits	
NGV (OEL TWA)	2 mg/m³ inhalable fraction
KTV (OEL STEL)	2 mg/m³ inhalable fraction
United Kingdom - Occupational Exposure Limits	
WEL STEL (OEL STEL)	2 mg/m³
Norway - Occupational Exposure Limits	
Takverdi (OEL C) [1]	2 mg/m³
Switzerland - Occupational Exposure Limits	
MAK (OEL TWA) [1]	2 mg/m³ inhalable aerosol
KZGW (OEL STEL)	2 mg/m³ inhalable aerosol
USA - ACGIH - Occupational Exposure Limits	
Local name	Sodium hydroxide
ACGIH OEL C	2 mg/m³
Remark (ACGIH)	TLV® Basis: URT, eye, & skin irr
Regulatory reference	ACGIH 2023

Ethyl alcohol (64-17-5)	
Austria - Occupational Exposure Limits	
MAK (OEL TWA)	1900 mg/m³
MAK (OEL TWA) [ppm]	1000 ppm
MAK (OEL STEL)	3800 mg/m³
MAK (OEL STEL) [ppm]	2000 ppm
Belgium - Occupational Exposure Limits	
OEL TWA	1907 mg/m³
OEL TWA [ppm]	1000 ppm
Bulgaria - Occupational Exposure Limits	
OEL TWA	1000 mg/m³
Croatia - Occupational Exposure Limits	
GVI (OEL TWA) [1]	1900 mg/m³
GVI (OEL TWA) [2]	1000 ppm
Czech Republic - Occupational Exposure Limits	
PEL (OEL TWA)	1000 mg/m³
Denmark - Occupational Exposure Limits	
OEL TWA [1]	1900 mg/m³
OEL TWA [2]	1000 ppm
OEL STEL	3800 mg/m³
OEL STEL [ppm]	2000 ppm
Estonia - Occupational Exposure Limits	
OEL TWA	1000 mg/m³
OEL TWA [ppm]	500 ppm
OEL STEL	1900 mg/m³
OEL STEL [ppm]	1000 ppm
Finland - Occupational Exposure Limits	
HTP (OEL TWA) [1]	1900 mg/m³
HTP (OEL TWA) [2]	1000 ppm
HTP (OEL STEL)	2500 mg/m³
HTP (OEL STEL) [ppm]	1300 ppm
France - Occupational Exposure Limits	
VME (OEL TWA)	1900 mg/m³
VME (OEL TWA) [ppm]	1000 ppm
VLE (OEL C/STEL)	9500 mg/m³
VLE (OEL C/STEL) [ppm]	5000 ppm
Germany - Occupational Exposure Limits (TRGS 900)	
AGW (OEL TWA) [1]	960 mg/m³
AGW (OEL TWA) [2]	500 ppm
AGW (OEL C)	1920 mg/m³

Ethyl alcohol (64-17-5)	
AGW (OEL C) [ppm]	1000 ppm
Greece - Occupational Exposure Limits	
OEL TWA	1900 mg/m³
OEL TWA [ppm]	1000 ppm
Hungary - Occupational Exposure Limits	
AK (OEL TWA)	1900 mg/m³
CK (OEL STEL)	7600 mg/m³
Ireland - Occupational Exposure Limits	
OEL STEL [ppm]	1000 ppm
Latvia - Occupational Exposure Limits	
OEL TWA	1000 mg/m³
Lithuania - Occupational Exposure Limits	
IPRV (OEL TWA)	1000 mg/m³
IPRV (OEL TWA) [ppm]	500 ppm
TPRV (OEL STEL)	1900 mg/m³
TPRV (OEL STEL) [ppm]	1000 ppm
Netherlands - Occupational Exposure Limits	
TGG-8u (OEL TWA)	260 mg/m³
TGG-15min (OEL STEL)	1900 mg/m³
MAC chemical category	Skin notation
Poland - Occupational Exposure Limits	
NDS (OEL TWA)	1900 mg/m³
Portugal - Occupational Exposure Limits	
OEL STEL [ppm]	1000 ppm
Chemical category	A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans
Romania - Occupational Exposure Limits	
OEL TWA	1900 mg/m³
OEL TWA [ppm]	1000 ppm
OEL STEL	9500 mg/m³
OEL STEL [ppm]	5000 ppm
Slovakia - Occupational Exposure Limits	
NPHV (OEL TWA) [1]	960 mg/m³
NPHV (OEL TWA) [2]	500 ppm
NPHV (OEL C)	1920 mg/m³
Slovenia - Occupational Exposure Limits	
OEL TWA	960 mg/m³
OEL TWA [ppm]	500 ppm
OEL STEL	1920 mg/m³
OEL STEL [ppm]	1000 ppm

Ethyl alcohol (64-17-5)	
Spain - Occupational Exposure Limits	
VLA-EC (OEL STEL)	1910 mg/m³
VLA-EC (OEL STEL) [ppm]	1000 ppm
Sweden - Occupational Exposure Limits	
NGV (OEL TWA)	1000 mg/m³
NGV (OEL TWA) [ppm]	500 ppm
KTV (OEL STEL)	1900 mg/m³
KTV (OEL STEL) [ppm]	1000 ppm
United Kingdom - Occupational Exposure Limits	
WEL TWA (OEL TWA) [1]	1920 mg/m³
WEL TWA (OEL TWA) [2]	1000 ppm
WEL STEL (OEL STEL)	5760 mg/m³ (calculated)
WEL STEL (OEL STEL) [ppm]	3000 ppm (calculated)
Norway - Occupational Exposure Limits	
Grenseverdi (OEL TWA) [1]	950 mg/m³
Grenseverdi (OEL TWA) [2]	500 ppm
Korttidsverdi (OEL STEL)	1187.5 mg/m³ (value calculated)
Korttidsverdi (OEL STEL) [ppm]	625 ppm (value calculated)
Switzerland - Occupational Exposure Limits	
MAK (OEL TWA) [1]	960 mg/m³
MAK (OEL TWA) [2]	500 ppm
KZGW (OEL STEL)	1920 mg/m³
KZGW (OEL STEL) [ppm]	1000 ppm
USA - ACGIH - Occupational Exposure Limits	
Local name	Ethanol
ACGIH OEL STEL [ppm]	1000 ppm
Remark (ACGIH)	TLV® Basis: URT irr. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans
Regulatory reference	ACGIH 2023

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:
Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Ensure adequate ventilation, especially in confined areas.

8.2.2. Personal protection equipment

Personal protective equipment:
Gloves. Protective goggles. Wear chemically impervious apron over labcoat and full coverage clothing.

Personal protective equipment symbol(s):

8.2.2.1. Eye and face protection

Eye protection:
Wear eye protection, including chemical splash goggles and a face shield when possibility exists for eye contact due to spraying liquid or airborne particles [EN 166]

8.2.2.2. Skin protection

Skin and body protection:
Wear long sleeves, and chemically impervious PPE/coveralls to minimize bodily exposure. [EN 14605:2005 and EN 13034:2005]

Hand protection:
Use gloves chemically resistant to this material when prolonged or repeated contact could occur. Be aware that the chemical may penetrate the gloves. Frequent changes are advisable. Gloves should be classified under Standard EN 374 or ASTM F1296. Suggested glove materials are: Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, PVC or vinyl. Suitable gloves for this specific application can be recommended by the glove supplier.

8.2.2.3. Respiratory protection

Respiratory protection:
Where vapour, mist, or dust exceed PELs or other applicable OELs, use European Standard EN 529:2005 approved dust/particulate respiratory protective equipment

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

No additional information available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Colour	:	No data available.
Odour	:	No data available.
Odour threshold	:	Not available
Melting point	:	Not available
Freezing point	:	Not available
Boiling point	:	Not available
Flammability	:	Not available
Explosive limits	:	Not available
Lower explosive limit (LEL)	:	Not available
Upper explosive limit (UEL)	:	Not available
Flash point	:	Not available
Auto-ignition temperature	:	Not available
Decomposition temperature	:	Not available
pH	:	Not available

Viscosity, kinematic	:	Not applicable
Solubility	:	Not available
Partition coefficient n-octanol/water (Log Kow)	:	Not available
Vapour pressure	:	Not available
Vapour pressure at 50°C	:	Not available
Density	:	Not available
Relative density	:	Not available
Relative vapour density at 20°C	:	Not available
Particle size	:	Not applicable
Particle size distribution	:	Not applicable
Particle shape	:	Not applicable
Particle aspect ratio	:	Not applicable
Particle aggregation state	:	Not applicable
Particle agglomeration state	:	Not applicable
Particle specific surface area	:	Not applicable
Particle dustiness	:	Not applicable

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

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

None under normal use.

10.4. Conditions to avoid

None under normal use.

10.5. Incompatible materials

None known.

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
Acute toxicity (dermal)	:	Not classified
Acute toxicity (inhalation)	:	Not classified

Sodium hydroxide (1310-73-2)	
LD50 oral rat	140 – 340 mg/kg Source: ECHA
LD50 dermal rabbit	1350 mg/kg Source: HSDB

Skin corrosion/irritation : Causes severe skin burns.

Serious eye damage/irritation	:	Causes serious eye damage.
Respiratory or skin sensitisation	:	Not classified
Germ cell mutagenicity	:	Not classified
Carcinogenicity	:	Not classified
Reproductive toxicity	:	Not classified
STOT-single exposure	:	Not classified
STOT-repeated exposure	:	Not classified
Aspiration hazard	:	Not classified

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

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	:	No data available.
Hazardous to the aquatic environment, short–term (acute)	:	Not classified
Hazardous to the aquatic environment, long–term (chronic)	:	Not classified

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. 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

12.7. Other adverse effects

Other adverse effects : No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Do not discharge to public wastewater systems without permit of pollution control authorities. No discharge to surface waters is allowed without a permit.

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment.

SECTION 14: Transport information

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

14.1. UN number or ID number

UN-No. (ADR) : UN 1760
UN-No. (IMDG) : UN 1760
UN-No. (IATA) : UN 1760
UN-No. (ADN) : UN 1760
UN-No. (RID) : UN 1760

14.2. UN proper shipping name

Proper Shipping Name (ADR) : CORROSIVE LIQUID, N.O.S.
Proper Shipping Name (IMDG) : CORROSIVE LIQUID, N.O.S.
Proper Shipping Name (IATA) : Corrosive liquid, n.o.s.
Proper Shipping Name (ADN) : CORROSIVE LIQUID, N.O.S.
Proper Shipping Name (RID) : CORROSIVE LIQUID, N.O.S.
Transport document description (ADR) : UN 1760 CORROSIVE LIQUID, N.O.S. (CONTAINS : Sodium hydroxide), 8, II, (E)
Transport document description (IMDG) : UN 1760 CORROSIVE LIQUID, N.O.S. (CONTAINS : Sodium hydroxide), 8, II
Transport document description (IATA) : UN 1760 Corrosive liquid, n.o.s. (CONTAINS : Sodium hydroxide), 8, II
Transport document description (ADN) : UN 1760 CORROSIVE LIQUID, N.O.S. (CONTAINS : Sodium hydroxide), 8, II
Transport document description (RID) : UN 1760 CORROSIVE LIQUID, N.O.S. (CONTAINS : Sodium hydroxide), 8, II

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : 8
Hazard labels (ADR) : 8

:

IMDG

Transport hazard class(es) (IMDG) : 8
Hazard labels (IMDG) : 8

:

IATA

Transport hazard class(es) (IATA) : 8
Hazard labels (IATA) : 8

:

ADN

Transport hazard class(es) (ADN) : 8
Hazard labels (ADN) : 8

:

RID

Transport hazard class(es) (RID) : 8

Hazard labels (RID) : 8

:

14.4. Packing group

Packing group (ADR) : II

Packing group (IMDG) : II

Packing group (IATA) : II

Packing group (ADN) : II

Packing group (RID) : II

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

Overland transport

Classification code (ADR) : C9

Special provision (ADR) : 274

Limited quantities (ADR) : 1l

Excepted quantities (ADR) : E2

Packing instructions (ADR) : P001, IBC02

Mixed packing provisions (ADR) : MP15

Portable tank and bulk container instructions (ADR) : T11

Portable tank and bulk container special provisions (ADR) : TP2, TP27

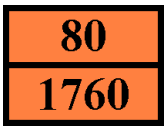
Tank code (ADR) : L4BN

Vehicle for tank carriage : AT

Transport category (ADR) : 2

Hazard identification number (Kemler No.) : 80

Orange plates :



Tunnel restriction code (ADR) : E

EAC : 2X

Transport by sea (IMDG)

Special provision (IMDG) : 274

Limited quantities (IMDG) : 1 L

Excepted quantities (IMDG) : E2

Packing instructions (IMDG) : P001

IBC packing instructions (IMDG) : IBC02

Tank instructions (IMDG) : T11

Tank special provisions (IMDG) : TP2, TP27

EmS-No. (Fire) : F-A

EmS-No. (Spillage) : S-B

Stowage category (IMDG) : B

Stowage and handling (IMDG)	:	SW2
Properties and observations (IMDG)	:	Causes burns to skin, eyes and mucous membranes.

Air transport (IATA)

PCA Excepted quantities (IATA)	:	E2
PCA Limited quantities (IATA)	:	Y840
PCA limited quantity max net quantity (IATA)	:	0.5L
PCA packing instructions (IATA)	:	851
PCA max net quantity (IATA)	:	1L
CAO packing instructions (IATA)	:	855
CAO max net quantity (IATA)	:	30L
Special provision (IATA)	:	A3, A803
ERG code (IATA)	:	8L

Inland waterway transport

Classification code (ADN)	:	C9
Special provision (ADN)	:	274
Limited quantities (ADN)	:	1 L
Excepted quantities (ADN)	:	E2
Equipment required (ADN)	:	PP, EP
Number of blue cones/lights (ADN)	:	0

Rail transport

Classification code (RID)	:	C9
Special provision (RID)	:	274
Limited quantities (RID)	:	1L
Excepted quantities (RID)	:	E2
Packing instructions (RID)	:	P001, IBC02
Mixed packing provisions (RID)	:	MP15
Portable tank and bulk container instructions (RID)	:	T11
Portable tank and bulk container special provisions (RID)	:	TP2, TP27
Tank codes for RID tanks (RID)	:	L4BN
Transport category (RID)	:	2
Colis express (express parcels) (RID)	:	CE6
Hazard identification number (RID)	:	80

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

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

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)
Contains no substance(s) listed on the REACH Candidate List
Contains no substance(s) listed on REACH Annex XIV (Authorisation List)
Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.
Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

15.1.2. National regulations

All chemical substances in this product are listed as “Active” in the EPA (Environmental Protection Agency) “TSCA Inventory Notification (Active-Inactive) Requirements Rule” (“the Final Rule”) of Feb. 2019, as amended Feb. 2021, or are otherwise exempt or regulated by other agencies such as FDA or FIFRA

Germany

Water hazard class (WGK)	:	WGK 1, Slightly hazardous to water (Classification according to AwSV, Annex 1)
Hazardous Incident Ordinance (12. BImSchV)	:	Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

Netherlands

SZW-lijst van kankerverwekkende stoffen	:	Ethyl alcohol is listed
SZW-lijst van mutagene stoffen	:	None of the components are listed
SZW-lijst van reprotoxische stoffen – Borstvoeding	:	Ethyl alcohol is listed
SZW-lijst van reprotoxische stoffen – Vruchtbaarheid	:	Ethyl alcohol is listed
SZW-lijst van reprotoxische stoffen – Ontwikkeling	:	Ethyl alcohol is listed

Denmark

Danish National Regulations	:	Young people below the age of 18 years are not allowed to use the product

Switzerland

Storage class (LK)	:	LK 8 - Corrosive materials

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Abbreviations and acronyms	
ACGIH	American Conference of Government Industrial Hygienists
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
CAS-No.	Chemical Abstract Service number
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DNEL	Derived-No Effect Level
EC50	Median effective concentration
EC-No.	European Community number
ED	Endocrine disrupting properties
EN	European Standard
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LD50	Median lethal dose
OEL	Occupational Exposure Limit
OSHA	Occupational Safety and Health Administration
PBT	Persistent Bioaccumulative Toxic
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
STOT	Specific target organ toxicity
TRGS	Technical Rules for Hazardous Substances
vPvB	Very Persistent and Very Bioaccumulative
WGK	Water Hazard Class

Full text of H- and EUH-statements	
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
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
H225	Highly flammable liquid and vapour.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.

Data sources : Globally Harmonized System of Classification and Labelling of Chemicals (GHS).
Classification for the USA in accordance with 29 CFR 1910.1200 (2012).
Classification for the EU in accordance with Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 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.
ECHA (European Chemicals Agency).

Training advice : Normal use of this product shall imply use in accordance with the instructions for use and corresponding product packaging.

Indication of changes:
Revision 1.0: New SDS Created.

Other information : Author: SS

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Classification according to Regulation (EC) No. 1272/2008	Classification procedure
Skin corrosion/irritation, Category 1, Sub-Category 1B	Specific concentration limit
Serious eye damage/eye irritation, Category 1	Specific concentration limit

Safety Data Sheet (SDS), EU

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.