

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Date of issue: 11/5/2020 Version: 1.0

SECTION 1: Identification**1.1. Identification**

Product form : Mixture
Product code : 1942KNA

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Cleansing product

1.3. Supplier

KÄRCHER NORTH AMERICA
6398 N Karcher Way
Aurora, 80019
United States
T 303-738-2400
info@karcherna.com

1.4. Emergency telephone number

Emergency number : 800-535-5053
For Chemical Emergency Call INFOTRAC 24hr/day 7days/week
Within USA and Canada: 1-800-535-5053
Outside USA and Canada: 1-352-323-3500
(collect calls accepted)

SECTION 2: Hazard(s) identification**2.1. Classification of the substance or mixture****GHS US classification**

Skin corrosion/irritation Category 1	H314	Causes severe skin burns and eye damage
Serious eye damage/eye irritation Category 1	H318	Causes serious eye damage

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements**GHS US labeling**

Hazard pictograms (GHS US) :



Signal word (GHS US) : Danger

Hazard statements (GHS US) : H314 - Causes severe skin burns and eye damage
H318 - Causes serious eye damage

Precautionary statements (GHS US) : P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
P264 - Wash hands, forearms and face thoroughly after handling.
P280 - Wear protective gloves/protective clothing/eye protection/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/shower
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

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P310 - Immediately call a poison center or doctor
P321 - Specific treatment (see supplemental first aid instruction on this label)
P363 - Wash contaminated clothing before reuse.
P405 - Store locked up.
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 which do not result in classification

Other hazards which do not result in classification : None under normal conditions.

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
SODIUM HYDROXIDE	CAS-No.: 1310-73-2	7.5 – 12.5
TRIDECETH-8	CAS-No.: 78330-21-9	1 – 5
SODIUM XYLENE SULFONATE	CAS-No.: 1300-72-7	2 – 4
SODIUM LAURETH SULFATE	CAS-No.: 68585-34-2	0.2 – 1.5

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general : Call a poison center/doctor/physician if you feel unwell.
First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Give oxygen or artificial respiration if necessary. In case of respiratory problems, consult a doctor/medical service.
First-aid measures after skin contact : After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water. Remove clothing while washing. Soap may be used. Take victim to a doctor if irritation persists.
First-aid measures after eye contact : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Rinse immediately with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Take victim to an ophthalmologist if irritation persists.
First-aid measures after ingestion : If swallowed, seek medical advice immediately and show this container or label. Rinse mouth with water. Do not induce vomiting.

4.2. Most important symptoms and effects (acute and delayed)

Potential Adverse human health effects and symptoms : Causes serious eye damage. Causes serious eye irritation. Causes severe skin burns. Causes skin irritation. Harmful if swallowed.
Symptoms/effects after inhalation : Cough. Coughing. Headache. Dizziness.
Symptoms/effects after skin contact : Blisters. Burns. Causes severe burns. Causes skin irritation. Dry skin. Itching.
Symptoms/effects after eye contact : Causes serious eye damage. Causes serious eye irritation. Corrosion of the eye tissue. Redness.
Symptoms/effects after ingestion : Abdominal pain, nausea. Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. Diarrhoea. Dizziness. Dry/sore throat. Harmful if swallowed.

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4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Adapt extinguishing media to the environment for surrounding fires.

5.2. Specific hazards arising from the chemical

Fire hazard : May cause or intensify fire; oxidizer. Not flammable.
Explosion hazard : No data available on direct explosion hazard. No data available on indirect explosion hazard.
Reactivity in case of fire : Corrosive vapors.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Do not enter fire area without proper protective equipment, including respiratory protection. Evacuate area. Eliminate all ignition sources if safe to do so. In case of fire: Stop leak if safe to do so. Take account of environmentally hazardous firefighting water.
Protection during firefighting : Wear recommended personal protective equipment. Wear fire/flame resistant/retardant clothing. Use self-contained breathing apparatus and chemically protective clothing.
Other information : In case of fire, corrosive and harmful gases come free.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid contact with skin and eyes. Absorb spillage to prevent material-damage. Clean up any spills as soon as possible, using an absorbent material to collect it. Evacuate area. Stop leak if safe to do so.

6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment. Safety glasses. Protective goggles. Protective clothing. Gloves.
Emergency procedures : Avoid contact with skin and eyes. Consider evacuation. Do not breathe dust/fume/gas/mist/vapours/spray. Do not get in eyes, on skin, or on clothing. Keep containers closed. Keep upwind. Large spills/in confined spaces: consider evacuation. Mechanically ventilate the spillage area. No flames, no sparks. Eliminate all sources of ignition. Notify fire brigade and environmental authorities. Wash contaminated clothes.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. Avoid breathing dust/fume/gas/mist/vapours/spray. Protective gloves. Safety glasses. Self-contained breathing apparatus. Use self-contained breathing apparatus and chemically protective clothing.
Emergency procedures : Cover spill with non combustible material, e.g.: sand/earth. Evacuate unnecessary personnel. Do not touch spilled material. Prevent from entering sewers, basements and workpits, or any place where its accumulation can be dangerous. Stop leak if safe to do so. Ventilate area.

6.2. Environmental precautions

Avoid release to the environment. Do not allow product to spread into the environment. Do not allow to enter drains or water courses. Notify authorities if liquid enters sewers or public waters.

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6.3. Methods and material for containment and cleaning up

- For containment : Absorb spilled material with sand or earth. Collect spillage. Consult an expert on waste disposal or treatment. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Dam up the liquid spill. Stop leak, if possible without risk.
- Methods for cleaning up : Absorb remaining liquid with sand or inert absorbent and remove to safe place. Absorb spillage to prevent material-damage. Clean contaminated surfaces with an excess of water. This material and its container must be disposed of in a safe way, and as per local legislation.
- Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.
- Precautions for safe handling : Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes. Clean contaminated clothing. Do not eat, drink or smoke when using this product. Eliminate all ignition sources if safe to do so. Keep only in original container. Take all necessary technical measures to avoid or minimize the release of the product on the workplace. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
- Hygiene measures : Take off immediately all contaminated clothing and wash it before reuse. Observe normal hygiene standards. Safety showers and eye wash fountains should be readily available in handling and storage areas. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse. Avoid prolonged and repeated contact with skin.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Comply with applicable regulations. Keep in a cool, well-ventilated place away from heat. Store in a well-ventilated place. Keep container tightly closed. Store locked up.
- Storage conditions : Keep away from ignition sources. Keep container closed when not in use. Keep only in original container. Store in a dry place. Store locked up.
- Incompatible products : Oxidizing agent. Strong acids.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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No additional information available

SODIUM HYDROXIDE (1310-73-2)

USA - ACGIH - Occupational Exposure Limits

ACGIH OEL Ceiling	2 mg/m ³
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SODIUM XYLENE SULFONATE (1300-72-7)

No additional information available

TRIDECETH-8 (78330-21-9)

No additional information available

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SODIUM LAURETH SULFATE (68585-34-2)

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure good ventilation of the work station.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Avoid all unnecessary exposure.

Hand protection:

Protective gloves

Eye protection:

Chemical goggles or safety glasses

Skin and body protection:

Protective clothing

Respiratory protection:

Wear respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid.
Color	: Blue
Odor	: mild
Odor threshold	: No data available
pH	: 13.2
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 212 °F
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

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9.2. Other information

Refractive index : 1.3744

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

Acids. Oxidizing agent.

10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

SODIUM XYLENE SULFONATE (1300-72-7)

LD50 oral rat	> 7000 mg/kg body weight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Read-across, Oral, 14 day(s))
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LD50 dermal rabbit	> 2000 mg/kg body weight (Equivalent or similar to OECD 402, Rabbit, Read-across, Dermal, 14 day(s))
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TRIDECETH-8 (78330-21-9)

LD50 oral rat	> 8000 mg/kg (Rat, Oral)
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Skin corrosion/irritation : Causes severe skin burns.
pH: 13.2

Serious eye damage/irritation : Causes serious eye damage.
pH: 13.2

Respiratory or skin sensitization : 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

Viscosity, kinematic : No data available

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Potential Adverse human health effects and symptoms	: Causes serious eye damage. Causes serious eye irritation. Causes severe skin burns. Causes skin irritation. Harmful if swallowed.
Symptoms/effects after inhalation	: Cough. Coughing. Headache. Dizziness.
Symptoms/effects after skin contact	: Blisters. Burns. Causes severe burns. Causes skin irritation. Dry skin. Itching.
Symptoms/effects after eye contact	: Causes serious eye damage. Causes serious eye irritation. Corrosion of the eye tissue. Redness.
Symptoms/effects after ingestion	: Abdominal pain, nausea. Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. Diarrhoea. Dizziness. Dry/sore throat. Harmful if swallowed.

SECTION 12: Ecological information

12.1. Toxicity

SODIUM HYDROXIDE (1310-73-2)	
LC50 - Fish [1]	45.4 mg/l (96 h, Salmo gairdneri, Static system, Fresh water, Experimental value, Solution >=50%)
EC50 - Daphnia [1]	40.4 mg/l (48 h, Ceriodaphnia sp., Experimental value, Nominal concentration)
SODIUM XYLENE SULFONATE (1300-72-7)	
LC50 - Fish [1]	> 1000 mg/l (EPA OTS 797.1400, 96 h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value)
EC50 - Daphnia [1]	> 1000 mg/l (EPA OTS 797.1300, 48 h, Daphnia magna, Static system, Fresh water, Experimental value)

12.2. Persistence and degradability

SODIUM HYDROXIDE (1310-73-2)	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable (inorganic)
ThOD	Not applicable (inorganic)
SODIUM XYLENE SULFONATE (1300-72-7)	
Persistence and degradability	Readily biodegradable in water.
TRIDECETH-8 (78330-21-9)	
Persistence and degradability	Readily biodegradable in water.

12.3. Bioaccumulative potential

SODIUM HYDROXIDE (1310-73-2)	
Bioaccumulative potential	Not bioaccumulative.
SODIUM XYLENE SULFONATE (1300-72-7)	
Partition coefficient n-octanol/water (Log Pow)	-3.12 (Experimental value, EU Method A.8: Partition Coefficient, 20 °C)
Bioaccumulative potential	Not bioaccumulative.

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TRIDECETH-8 (78330-21-9)

Bioaccumulative potential	No bioaccumulation data available.
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12.4. Mobility in soil

SODIUM HYDROXIDE (1310-73-2)

Ecology - soil	No (test)data on mobility of the substance available.
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SODIUM XYLENE SULFONATE (1300-72-7)

Surface tension	71 mN/m (20 °C, 90 %, EU Method A.5: Surface tension)
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Ecology - soil	No (test)data on mobility of the substance available.
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12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Regional legislation (waste) : Disposal must be done according to official regulations.

SECTION 14: Transport information

14.1. UN number

DOT NA No : UN1760

14.2. UN proper shipping name

Proper Shipping Name (DOT) : Corrosive liquids, n.o.s. (SODIUM HYDROXIDE), 8, II

14.3. Transport hazard class(es)

DOT

Transport hazard class(es) (DOT) : 8

Hazard labels (DOT) : 8



14.4. Packing group

Packing group (DOT) : II

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

DOT

UN-No.(DOT) : UN1760

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

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SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

SODIUM HYDROXIDE (1310-73-2)

CERCLA RQ	1000 lb
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15.2. International regulations

No additional information available

15.3. US State regulations

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U.S. - California - Proposition 65 - Other information	ETHYLENE OXIDE (75-21-8)
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WARNING:

This product can expose you to ETHYLENE OXIDE, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

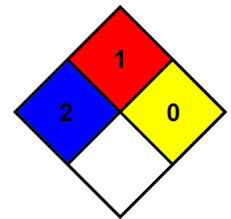
SECTION 16: Other information

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Full text of H-phrases

H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage

NFPA health hazard : 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.
NFPA fire hazard : 1 - Materials that must be preheated before ignition can occur.
NFPA reactivity : 0 - Material that in themselves are normally stable, even under fire conditions.



Hazard Rating
Health : 2 Moderate Hazard - Temporary or minor injury may occur
Flammability : 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)
Physical : 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.
Personal protection : D - Face shield and eye protection, Gloves, Synthetic apron

Safety Data Sheet (SDS), USA

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.