

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 04/13/2021 Version: 1.0

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product code : 2107KNA

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Cleansing product

1.3. Supplier

KARCHER NORTH AMERICA 4555 Airport Way Denver, 80239 - 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 2 Serious eye damage/eye irritation, Category 1

Skin sensitisation, Category 1

Hazardous to the aquatic environment — Acute Hazard, Category 2 Hazardous to the aquatic environment — Chronic Hazard, Category 2

Full text of H statements : see section 16

H315 Causes skin irritation.
H318 Causes serious eye damage.

H317 May cause an allergic skin reaction.

H401 Toxic to aquatic life

H411 Toxic to aquatic life with long lasting effects.

2.2. GHS Label elements, including precautionary statements

GHS US labelling

Hazard pictograms (GHS US)







Signal word (GHS US) : Danger

Hazard statements (GHS US) : H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction. H318 - Causes serious eve damage.

H401 - Toxic to aquatic life

H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (GHS US) : P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 - Wash hands, forearms and face thoroughly after handling.

P272 - Contaminated work clothing must not be allowed out of the workplace

P273 - Avoid release to the environment.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

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/doctor

P332+P313 - If skin irritation occurs: Get medical advice/attention.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.

P363 - Wash contaminated clothing before reuse.

P391 - Collect spillage.

P501 - Dispose of contents/container to hazardous or special waste collection point, in

accordance with local regulations

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2.3. Other hazards which do not result in classification

Other hazards not contributing to the

: None under normal conditions.

classification

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	%
BUTHOXYETHANOL	(CAS-No.) 111-76-2	5 – 10
D-LIMONENE	(CAS-No.) 5989-27-5	1 – 5
NONOXYNOL	(CAS-No.) 127087-87- 0	1 – 5
SODIUM LAURIMINODIPROPIONATE	(CAS-No.) 14960-06-6	1.001 – 1.402
SODIUM XYLENE SULFONATE	(CAS-No.) 1300-72-7	1 – 5
TETRASODIUM EDTA	(CAS-No.) 64-02-8	1.109 – 1.169
SODIUM CARBONATE	(CAS-No.) 497-19-8	1 – 5
SODIUM METASILICATE	(CAS-No.) 6834-92-0	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 or a doctor if you feel unwell.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs:

Get medical advice/attention.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to

do. Continue rinsing. Call a physician immediately.

First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects after skin contact : Irritation. May cause an allergic skin reaction.

Symptoms/effects after eye contact : Serious damage to eyes.

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 : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Specific hazards arising from the chemical

Fire hazard : Not flammable.

Explosion hazard : No direct explosion hazard.

Hazardous decomposition products in case of : Toxic fumes may be released.

fire

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Do not enter fire area without proper protective equipment, including respiratory protection.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing

apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Do not handle until all safety precautions have been read and understood.

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing

dust/fume/gas/mist/vapours/spray.

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6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information

refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.

Methods for cleaning up : Take up liquid spill into absorbent material.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

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

: Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal

protective equipment. Avoid breathing dust/fume/gas/mist/vapours/spray.

Hygiene measures

Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

TIRE MARK REMOVER	
No additional information available	
NONOXYNOL (127087-87-0)	
No additional information available	
SODIUM LAURIMINODIPROPIONATE (14960-06-6)	
No additional information available	
SODIUM XYLENE SULFONATE (1300-72-7)	
No additional information available	
TETRASODIUM EDTA (64-02-8)	
No additional information available	
BUTHOXYETHANOL (111-76-2)	
USA - ACGIH - Occupational Exposure Limits	
Local name	2-Butoxyethanol (EGBE)
ACGIH TWA (ppm)	20 ppm
Remark (ACGIH)	TLV® Basis: Eye & URT irr. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI
Regulatory reference	ACGIH 2019
USA - OSHA - Occupational Exposure Limits	
Local name	2-Butoxyethanol
OSHA PEL (TWA) (mg/m³)	240 mg/m³
OSHA PEL (TWA) (ppm)	50 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
D-LIMONENE (5989-27-5)	
No additional information available	
SODIUM CARBONATE (497-19-8)	
No additional information available	
SODIUM METASILICATE (6834-92-0)	
No additional information available	

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8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Appearance : Liquid.

Colour : Mixture contains one or more component(s) which have the following colour(s):

Orange Colourless White Colourless to light yellow Colourless to white Colourless to light green

Odour : Fruity

Odour threshold : No data available

12 - 12.8рН Melting point Not applicable : No data available Freezing point No data available Boiling point Flash point No data available : No data available Relative evaporation rate (butylacetate=1) Flammability (solid, gas) : Not applicable. Vapour pressure No data available Relative vapour density at 20 °C : No data available Relative density : No data available Solubility No data available : No data available Partition coefficient n-octanol/water (Log Pow) : No data available Auto-ignition temperature Decomposition temperature : No data available Viscosity, kinematic : No data available Viscosity, dynamic : No data available Explosive limits No data available : No data available Explosive properties

9.2. Other information

Oxidising properties

VOC CONTENT (%): 9.5

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: No data available

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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.

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

No additional information available

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 toxicological effects

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

NONOXYNOL (127087-87-0)		
ATE US (oral)	500 mg/kg bodyweight	
SODIUM XYLENE SULFONATE (1300-72-7)		
LD50 oral rat	> 7000 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Read-across, Oral, 14 day(s))	
LD50 dermal rabbit	> 2000 mg/kg bodyweight (Equivalent or similar to OECD 402, Rabbit, Read-across, Dermal, 14 day(s))	
TETRASODIUM EDTA (64-02-8)		
LD50 oral rat	> 2000 mg/kg (Rat, Oral)	
BUTHOXYETHANOL (111-76-2)		
LD50 oral rat	1746 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male, Experimental value, Oral, 14 day(s))	
LC50 inhalation rat (mg/l)	> 4.26 mg/l (4 h, Rat, Male / female, Experimental value, Inhalation (vapours), 14 day(s))	
ATE US (oral)	1414 mg/kg bodyweight	
ATE US (dermal)	1100 mg/kg bodyweight	
ATE US (gases)	4500 ppmv/4h	
ATE US (vapours)	11 mg/l/4h	
ATE US (dust,mist)	1.5 mg/l/4h	
D-LIMONENE (5989-27-5)		
LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method)	
LD50 dermal rabbit	> 5000 mg/kg bodyweight (Equivalent or similar to OECD 402, 24 h, Rabbit, Read-across, Dermal)	
SODIUM CARBONATE (497-19-8)		
LD50 oral rat	2800 mg/kg (Rat, Male / female, Experimental value, Oral, 14 day(s))	
LD50 dermal rabbit	> 2000 mg/kg (16 CFR 1500. 40, 24 h, Rabbit, Experimental value, Dermal)	
LC50 inhalation rat (mg/l)	2.3 mg/l (2 h, Rat, Male, Experimental value, Inhalation (aerosol))	
ATE US (oral)	2800 mg/kg bodyweight	
ATE US (vapours)	2.3 mg/l/4h	
ATE US (dust,mist)	2.3 mg/l/4h	
SODIUM METASILICATE (6834-92-0)		
LD50 oral rat	1152 – 1349 mg/kg bodyweight (Rat, Male / female, Experimental value, Oral, 7 day(s))	
LD50 dermal rat	> 5000 mg/kg bodyweight (EPA OPPTS 870.1200: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))	

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SODIUM METASILICATE (6834-92-0)	
LC50 inhalation rat (mg/l)	> 2.06 mg/l (EPA OPPTS 870.1300: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value, Inhalation (vapours), 14 day(s))
ATE US (oral)	1152 mg/kg bodyweight
Skin corrosion/irritation	: Causes skin irritation.
	pH: 12 – 12.8
Serious eye damage/irritation	: Causes serious eye damage.
	pH: 12 – 12.8
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
BUTHOXYETHANOL (111-76-2)	
IARC group	3 - Not classifiable
D-LIMONENE (5989-27-5)	
IARC group	3 - Not classifiable
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
BUTHOXYETHANOL (111-76-2)	
STOT-single exposure	May cause respiratory irritation.
SODIUM METASILICATE (6834-92-0)	
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: Not classified
BUTHOXYETHANOL (111-76-2)	
NOAEL (dermal, rat/rabbit, 90 days)	> 150 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)
SODIUM METASILICATE (6834-92-0)	
NOAEL (oral, rat, 90 days)	227 – 237 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90 Day Oral Toxicity in Rodents)
Aspiration hazard	: Not classified
	: No data available
Viscosity, kinematic	. No data available
Viscosity, kinematic Symptoms/effects after skin contact	: Irritation. May cause an allergic skin reaction.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

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)	
TETRASODIUM EDTA (64-02-8)		
LC50 fish 1	121 mg/l (96 h, Lepomis macrochirus, Literature study, Soft water)	
EC50 Daphnia 1	625 mg/l (24 h, Daphnia magna, Literature study)	
BUTHOXYETHANOL (111-76-2)		
LC50 fish 1	1474 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value, Lethal)	

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BUTHOXYETHANOL (111-76-2)	
EC50 Daphnia 1	1550 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)
ErC50 (algae)	1840 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Nominal concentration)
NOEC (chronic)	100 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC chronic fish	> 100 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) Duration: '21 d'
D-LIMONENE (5989-27-5)	
LC50 fish 1	720 µg/l Test organisms (species): Pimephales promelas
EC50 Daphnia 1	0.36 mg/l Test organisms (species): Daphnia magna
ErC50 (algae)	0.32 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)
NOEC (chronic)	0.115 mg/l Test organisms (species): other:For freshwater invertebrates, species frequently include Daphnia magna or Daphnia pulex. Duration: '16 d'
SODIUM CARBONATE (497-19-8)	
LC50 fish 1	300 mg/l (96 h, Lepomis macrochirus, Static system, Fresh water, Experimental value, Lethal)
EC50 Daphnia 1	200 – 227 mg/l (48 h, Ceriodaphnia sp., Semi-static system, Fresh water, Experimental value, Locomotor effect)
SODIUM METASILICATE (6834-92-0)	
LC50 fish 1	210 mg/l (ISO 7346-1, 96 h, Danio rerio, Semi-static system, Fresh water, Experimental value)
EC50 Daphnia 1	1700 mg/l (EU Method C.2, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)

12.2. Persistence and degradability

NONOXYNOL (127087-87-0)	NONOXYNOL (127087-87-0)		
Persistence and degradability	Not readily biodegradable in water.		
SODIUM XYLENE SULFONATE (1300-72-7)			
Persistence and degradability	Readily biodegradable in water.		
TETRASODIUM EDTA (64-02-8)			
Persistence and degradability	Not readily biodegradable in water.		
Biochemical oxygen demand (BOD)	< 0.002 g O₂/g substance		
Chemical oxygen demand (COD)	0.54 – 0.58 g O₂/g substance		
BUTHOXYETHANOL (111-76-2)			
Persistence and degradability	Readily biodegradable in water.		
D-LIMONENE (5989-27-5)			
Persistence and degradability	Readily biodegradable in water.		
ThOD	3.29 g O₂/g substance		
SODIUM CARBONATE (497-19-8)			
Persistence and degradability	Biodegradability: not applicable.		
Chemical oxygen demand (COD)	Not applicable (inorganic)		
ThOD	Not applicable (inorganic)		
SODIUM METASILICATE (6834-92-0)			
Persistence and degradability	Biodegradability: not applicable.		
Chemical oxygen demand (COD)	Not applicable (inorganic)		
ThOD	Not applicable (inorganic)		

12.3. Bioaccumulative potential

NONOXYNOL (127087-87-0)		
BCF fish 1	15 – 53 (Calculated value)	
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).	
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)	

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SODIUM XYLENE SULFONATE (1300-72-7)		
Bioaccumulative potential	Not bioaccumulative.	
TETRASODIUM EDTA (64-02-8)		
Partition coefficient n-octanol/water (Log Pow)	-2.6	
Bioaccumulative potential	Not bioaccumulative.	
BUTHOXYETHANOL (111-76-2)		
Partition coefficient n-octanol/water (Log Pow)	0.81 (Experimental value, BASF test, 25 °C)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).	
D-LIMONENE (5989-27-5)		
BCF fish 1	864.8 l/kg (BCFBAF v3.01, Pisces, QSAR, Fresh weight)	
Partition coefficient n-octanol/water (Log Pow)	4.38 (Experimental value, Equivalent or similar to OECD 117, 37 °C)	
Bioaccumulative potential	Potential for bioaccumulation (4 ≥ Log Kow ≤ 5).	
SODIUM CARBONATE (497-19-8)		
Partition coefficient n-octanol/water (Log Pow)	-6.19 (Estimated value)	
Bioaccumulative potential	Not bioaccumulative.	
SODIUM METASILICATE (6834-92-0)		
Bioaccumulative potential	Bioaccumulation: not applicable.	

12.4. Mobility in soil

NONOXYNOL (127087-87-0)		
Ecology - soil	No (test)data on mobility of the substance available.	
SODIUM XYLENE SULFONATE (1300-72-7)		
,		
Surface tension	71 mN/m (20 °C, 90 %, EU Method A.5: Surface tension)	
Ecology - soil	No (test)data on mobility of the substance available.	
BUTHOXYETHANOL (111-76-2)		
Surface tension	65.03 mN/m (20 °C, 2 g/l)	
Partition coefficient n-octanol/water (Log Koc)	0.451 – 0.882 (log Koc, SRC PCKOCWIN v2.0, Calculated value)	
Ecology - soil	Highly mobile in soil.	
D-LIMONENE (5989-27-5)		
Ecology - soil	Low potential for mobility in soil.	
SODIUM CARBONATE (497-19-8)		
Ecology - soil	Low potential for adsorption in soil.	
SODIUM METASILICATE (6834-92-0)		
Surface tension	No data available in the literature	
Ecology - soil	No (test)data on mobility of the substance available.	

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.

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not regulated

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SECTION 15: Regulatory information

15.1. US Federal regulations

TIRE MARK REMOVER

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

NONOXYNOL (127087-87-0)	
EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).

15.2. International regulations

No additional information available

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information

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Full text of H-statements:

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H401	Toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects.

Hazard Rating

Health : 2 Moderate Hazard - Temporary or minor injury may occur

Flammability : 0 Minimal Hazard - Materials that will not burn

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 : B

B - Safety glasses, Gloves

SDS US (GHS HazCom 2012)

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.

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