

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

1.1. Product identifier

Product name: NEXTZETT "EISTAU DE-ICER"

Product code: 94061215

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

Use of substance / mixture: PC4: Anti-Freeze and de-icing products.

1.3. Details of the supplier of the safety data sheet

Company name: nextzett GmbH

An der Höhe 15

D-51674 Wiehl-Marienhagen

Deutschland

Tel: +49 (0)2261 6095433

Fax: +49 (0)2261 6095429

Email: info@nextzett.de / www.nextzett.de

1.4. Emergency telephone number

CHEMTEL 1-800-255-3924 (USA AND CANADA); +1-813-248-0585 (Worldwide International)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Flam. Liq. 2: H225; STOT RE 2: H373

Most important adverse effects: Highly flammable liquid and vapour. May cause damage to organs [kidneys] through prolonged or repeated exposure.

2.2. Label elements

Label elements:

Hazard statements: H225: Highly flammable liquid and vapour.

H373: May cause damage to organs [kidneys] through prolonged or repeated exposure.

Hazard pictograms: GHS02: Flame

GHS08: Health hazard



Signal words: Danger

Precautionary statements: P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P243: Take precautionary measures against static discharge.

P260: Do not breathe dust/fumes/gas/mist/vapours/spray.

SAFETY DATA SHEET

NEXTZETT "EISTAU DE-ICER"

Page: 2

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

P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water.

P314: Get medical attention if you feel unwell.

2.3. Other hazards

Other hazards: In use, may form flammable / explosive dust-air mixture.

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

ETHANOL - REACH registered number(s): 01-2119457610-43

EINECS	CAS	PBT / WEL	CLP Classification	Percent
200-578-6	64-17-5	Substance with a Community workplace exposure limit.	Flam. Liq. 2: H225	70-90%

MONOETHYLENGLYKOL - REACH registered number(s): 01-2119456816-28

203-473-3	107-21-1	-	Acute Tox. 4: H302; STOT RE 2: H373	10-30%
-----------	----------	---	-------------------------------------	--------

Contains: < 5 %

anionic surfactants

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin.

Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.

Eye contact: Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

Ingestion: Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. If conscious, ensure the casualty sits or lies down. If unconscious and breathing is OK, place in the recovery position. If unconscious, check for breathing and apply artificial respiration if necessary. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

[cont...]

SAFETY DATA SHEET
NEXTZETT "EISTAU DE-ICER"

Page: 3

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

Skin contact: There may be redness or whiteness of the skin in the area of exposure. Irritation or pain may occur at the site of contact. Absorption through the skin may be fatal.

Eye contact: There may be severe pain. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat. There may be vomiting. Convulsions may occur. There may be loss of consciousness.

Inhalation: There may be shortness of breath with a burning sensation in the throat. Absorption through the lungs can occur causing symptoms similar to those of ingestion. Convulsions may occur. There may be loss of consciousness.

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

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Alcohol resistant foam. Water spray. Carbon dioxide. Dry chemical powder. Use water spray to cool containers.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Highly flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture. Vapour may travel considerable distance to source of ignition and flash back.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Refer to section 8 of SDS for personal protection details. Notify the police and fire brigade immediately. Turn leaking containers leak-side up to prevent the escape of liquid. Eliminate all sources of ignition.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding. Alert the neighbourhood to the presence of fumes or gas.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Clean-up should be dealt with only by qualified personnel familiar with the specific substance. Absorb into dry earth or sand. Do not use equipment in clean-up procedure which may produce sparks.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

[cont...]

SAFETY DATA SHEET
NEXTZETT "EISTAU DE-ICER"

Page: 4

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid direct contact with the substance. Avoid the formation or spread of mists in the air. Ensure there is sufficient ventilation of the area. Smoking is forbidden. Use non-sparking tools. Do not handle in a confined space.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition. Prevent the build up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment are not a source of ignition.

Suitable packaging: Must only be kept in original packaging.

7.3. Specific end use(s)

Specific end use(s): PC4: Anti-Freeze and de-icing products.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

ETHANOL

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	1920 mg/m ³	-	-	-

MONOETHYLENGLYKOL

UK	52 mg/m ³ (vapour)	104 mg/m ³ (vapour)	-	-
----	-------------------------------	--------------------------------	---	---

DNEL/PNEC Values

Hazardous ingredients:

MONOETHYLENGLYKOL

Type	Exposure	Value	Population	Effect
DNEL	Dermal (repeated dose)	53 mg/kg bw/d	Consumers	Systemic
DNEL	Dermal (repeated dose)	106 mg/kg bw/d	Workers	Systemic
DNEL	Inhalation (repeated dose)	7 mg/m ³	Consumers	Local
DNEL	Inhalation (repeated dose)	35 mg/m ³	Workers	Local
PNEC	Fresh water	10 mg/l	-	-
PNEC	Intermittierende Freisetzung	10 mg/l	-	-
PNEC	Marine water	1 mg/l	-	-

[cont...]

SAFETY DATA SHEET
NEXTZETT "EISTAU DE-ICER"

Page: 5

PNEC	Fresh water sediments	37 mg/kg	-	-
PNEC	Marine sediments	3,7 mg/kg	-	-
PNEC	Soil (agricultural)	1,53 mg/kg	-	-
PNEC	Microorganisms in sewage treatment	199,5 mg/l	-	-

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Impermeable gloves.

Eye protection: Safety glasses with side-shields. Ensure eye bath is to hand.

Skin protection: Impermeable protective clothing.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Blue

Odour: Alcoholic

Solubility in water: Miscible in all proportions

Viscosity: Non-viscous

Boiling point/range°C: 79

Flammability limits %: lower: 3,5

Flash point°C: 12

Autoflammability°C: 425

Relative density: 0,86 g/cm³

VOC g/l: 851

Melting point/range°C: <-60

upper: 15

Part.coeff. n-octanol/water: No data available.

Vapour pressure: 57 mbar (20°C)

pH: 7

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions. Stable at room temperature.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

[cont...]

SAFETY DATA SHEET
NEXTZETT "EISTAU DE-ICER"

Page: 6

10.4. Conditions to avoid

Conditions to avoid: Heat. Hot surfaces. Flames. Sources of ignition.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong reducing agents. Strong acids. Strong bases.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

ETHANOL

IVN	RAT	LD50	1440	mg/kg
ORL	MUS	LD50	3450	mg/kg
ORL	RAT	LD50	7060	mg/kg

Toxicity values: No data available.

Symptoms / routes of exposure

Skin contact: There may be redness or whiteness of the skin in the area of exposure. Irritation or pain may occur at the site of contact. Absorption through the skin may be fatal.

Eye contact: There may be severe pain. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat. There may be vomiting. Convulsions may occur. There may be loss of consciousness.

Inhalation: There may be shortness of breath with a burning sensation in the throat. Absorption through the lungs can occur causing symptoms similar to those of ingestion. Convulsions may occur. There may be loss of consciousness.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: No data available.

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Readily absorbed into soil.

[cont...]

SAFETY DATA SHEET
NEXTZETT "EISTAU DE-ICER"

Page: 7

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Negligible ecotoxicity.

Section 13: Disposal considerations

13.1. Waste treatment methods

Recovery operations: Solvent reclamation/regeneration.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

14.1. UN number

UN number: UN1987

14.2. UN proper shipping name

Shipping name: ALCOHOLS, N.O.S.
(ETHANOL)

14.3. Transport hazard class(es)

Transport class: 3

14.4. Packing group

Packing group: II

14.5. Environmental hazards

Environmentally hazardous: No

Marine pollutant: No

14.6. Special precautions for user

Tunnel code: D/E

Transport category: 2

Section 15: Regulatory information

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

Specific regulations: Not applicable.

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

[cont...]

SAFETY DATA SHEET
NEXTZETT "EISTAU DE-ICER"

Page: 8

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: H225: Highly flammable liquid and vapour.

H302: Harmful if swallowed.

H373: May cause damage to organs <or state all organs affected, if known> through prolonged or repeated exposure <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.