

SAFETY DATA SHEET

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

1.1. Product identifier

Trade name

RV Alk. Skumreng. Med klor

Product no.**REACH registration number**

Not applicable

Other means of identification

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

Relevant identified uses of the substance or mixture

NA

Uses advised against

-

The full text of any mentioned and identified use categories are given in section 16

1.3. Details of the supplier of the safety data sheet

Company and address

RV Unique
Kometvej 5
DK-6230 Rødekro
Tlf. 73 66 12 04
Fax 73 66 12 03

Contact person**E-mail**

info@rvunique.dk

SDS date

20-02-2013

SDS Version

1.0

1.4. Emergency telephone number

Use your national or local emergency number
See section 4 "First aid measures"

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Corrosive. // R35, R31

See full text of H/R-phrases in section 2.2.

2.2. Label elements

Hazard pictogram(s)**Hazard statement(s)**

Contact with acids liberates toxic gas. (R31)
Causes severe burns. (R35)

Identity of the substances primarily responsible for the major health hazards

sodium hydroxide

Safety

General

Keep locked up and out of the reach of children.

statement(s)

Prevention

Wear suitable protective clothing, gloves and eye/face protection.

Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified)

| | |
|-----------------|---|
| Response | by the manufacturer). In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. |
| Storage | - |
| Disposal | - |

2.3. Other hazards

Additional labelling

-

Additional warnings

Tactile warning. If this product is sold retail, it must be delivered in a child-proof container.

VOC

-

SECTION 3: Composition/information on ingredients

3.1/3.2. Substances

NAME: sodium hydroxide
IDENTIFICATION NOS.: CAS-no: 1310-73-2 EC-no: 215-185-5 REACH-no: 01-2119457892-27 Index-no: 011-002-00-6
CONTENT: 5-15%
DSD CLASSIFICATION: C; R35
CLP CLASSIFICATION: Skin Corr. 1A
H314

NAME: Amines, C12-18-alkyldimethyl, N-oxides
IDENTIFICATION NOS.: CAS-no: 68955-55-5 EC-no: 273-281-2
CONTENT: 1-5%
DSD CLASSIFICATION: Xi;R38 R41 N;R50
CLP CLASSIFICATION: Skin Irrit. 2, Eye Dam. 1, Aquatic Acute 1
H315, H318, H400

NAME: decyldimethylamine
IDENTIFICATION NOS.: CAS-no: 1120-24-7 EC-no: 214-302-7
CONTENT: <0.01%
DSD CLASSIFICATION: C;R34 Xn;R22
CLP CLASSIFICATION: Acute Tox. 4, Skin. Corr. 1B
H302, H314

(*) See full text of H/R-phrases in chapter 16. Occupational limits are listed in section 8, if these are available.

Other informations

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor, if in doubt about the injured person's condition or if the symptoms continue. Never give an unconscious person water or similar.

Inhalation

Get the person into fresh air and stay with them.

Skin contact

Remove contaminated clothing and shoes at once. Skin that has come in contact with the material must be washed thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

Eye contact

Remove contact lenses. Flush eyes with plenty of water (20-30°C) for at least 15 minutes and continue until irritation stops. Make sure you flush under the upper and lower eyelids. Contact a doctor at once.

Ingestion

Give the person plenty to drink and stay with the person. If the person feels unwell, contact a doctor immediately and take this safety data sheet or the label from the product with you. Do not induce vomiting unless recommended by the doctor. Hold head facing down so that no vomit runs back into the mouth and throat.

Burns

Rinse with water until the pain stops and continue for 30 minutes.

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

Tissue damaging effects: This product contains substances which are corrosive. If vapour or aerosols are inhaled, it can result in damage to lungs, irritation and burns in the respiratory organs as well as coughing. Corrosive substances cause irreversible damage to eyes and acid burns to skin.

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

No special

Information to medics

Bring this safety data sheet.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Recommended: alcohol-resistant foam, carbonic acid, powder, water mist. Water jets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

If the product is exposed to high temperatures, as in the case of fire, dangerous catabolic substances are produced. These are: Halogenated compounds Carbon oxides. Some metal oxides. Fire will result in thick black smoke. Exposure to catabolic products can damage your health. Fire fighters should use proper protection gear. Closed containers, which are exposed to fire, should be cooled with water. Do not let fire-extinguishing water run into sewers and other water courses.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid direct contact with spilled substances. Avoid inhalation of vapours from waste material.

6.2. Environmental precautions

No specific requirements.

6.3. Methods and material for containment and cleaning up

Use sand, sawdust, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations. Cleaning should be done as far as possible using normal cleaning agents. Solvents should be avoided.

6.4. Reference to other sections

See section on "Disposal considerations" with regard to the handling of waste. See section on 'Exposure controls/personal protection' for protective measures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

See section on 'Exposure controls/personal protection' for information on personal protection. Avoid direct contact with the product.

7.2. Conditions for safe storage, including any incompatibilities

Always store in containers of the same material as the original.

Storage temperature

NA

7.3. Specific end use(s)

This product should only be used for applications described in Section 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

OEL

No data available

DNEL / PNEC

No data available.

8.2. Exposure controls

No control is necessary if the product is used in a normal way.

General recommendations

Smoking, consumption of food or liquid, and storage of tobacco, food or liquid, are not allowed in the workroom.

Exposure scenarios

If there is an appendix to this safety data sheet, the indicated exposure scenarios must be complied.

Exposure limits

There are no maximum exposure limits for the substances contained in this product.

Appropriate technical measures

Take ordinary precautions when using the product. Avoid inhalation of gas or dust.

Hygiene measures

Whenever you take a break in using this product and when you have finished using it, all exposed areas of the body must be washed. Always wash hands, forearms and face.

Measures to avoid environmental exposure

Keep damming materials near the workplace. If possible collect spillage during work.

Individual protection measures, such as personal protective equipment



Generally

Only CE-marked personal protection equipment should be used.

Respiratory Equipment

No specific requirements.

Skin protection

Special work clothing should be used. When working with this product for a long period of time, use a protective suit.

Hand protection

Use protective gloves. The concrete work situation is not known. Contact the suppliers of the gloves for help on the glove type. Please note that elastic gloves stretch when used. The thickness of the gloves, and therefore their penetration time, will be reduced. Moreover, the temperature of the glove in use is about 35°C, while the standard test, EN 374-3, is done at 23°C. The penetration time is therefore reduced by a factor of 3.

Eye protection

Use face shield. Use safety glasses with a side shield as an alternative.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| Form | Colour | Odour | pH | Viscosity | Density (g/cm ³) |
|--------|--------|-------|------|-----------|------------------------------|
| Liquid | Clear | None | 13,6 | - | 1,13 |

Phase changes

| | | |
|--------------------|--------------------|-------------------------|
| Melting point (°C) | Boiling point (°C) | Vapour pressure (mm Hg) |
| - | - | - |

Data on fire and explosion hazards

| | | |
|--------------------------|----------------------|--------------------|
| Flashpoint (°C) | Ignition (°C) | Self ignition (°C) |
| - | - | - |
| Explosion limits (Vol %) | Oxidizing properties | |
| - | - | |

Solubility

| | |
|---------------------|-----------------------------|
| Solubility in water | n-octanol/water coefficient |
| Soluble | - |

9.2. Other information

| | |
|-------------------|------------------------|
| Solubility in fat | Additional information |
| - | N/A |

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

The product is stable under the conditions, noted in the section on "Handling and storage".

10.3. Possibility of hazardous reactions

According to EC-Regulation 1907/2006 (REACH)

Contact with acids liberates toxic gas.

10.4. Conditions to avoid

Do not expose to heat (e.g. sunlight), because it can lead to excess pressure.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidising agents, and strong catabolic agents.

10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

| Substance | Species | Test | Route of exposure | Result |
|--------------------|---------|------|-------------------|--------|
| No data available. | | | | |

Long term effects

Tissue damaging effects: This product contains substances which are corrosive. If vapour or aerosols are inhaled, it can result in damage to lungs, irritation and burns in the respiratory organs as well as coughing. Corrosive substances cause irreversible damage to eyes and acid burns to skin.

SECTION 12: Ecological information

12.1. Toxicity

| Substance | Species | Test | Test duration | Result |
|--------------------|---------|------|---------------|--------|
| No data available. | | | | |

12.2. Persistence and degradability

| Substance | Biodegradability | Test | Result |
|--------------------|------------------|------|--------|
| No data available. | | | |

12.3. Bioaccumulative potential

| Substance | Potential bioaccumulation | LogPow | BFC |
|--------------------|---------------------------|--------|-----|
| No data available. | | | |

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other adverse effects

This product contains ecotoxic substances which can have damaging effects on water-organisms.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

The product is covered by the regulations on dangerous waste.

Waste

EWC code

-

Specific labelling

-

Contaminated packing

Packaging which contains leftovers from the product must be disposed of in the same way as the product.

SECTION 14: Transport information

This product is covered by the conventions on dangerous goods.

14.1 – 14.4

| ADR/RID | 14.1. UN number | 14.2. UN proper shipping name | 14.3. Transport hazard class(es) | 14.4. Packing group | Notes |
|---------|-----------------|-------------------------------|----------------------------------|---------------------|-------|
| | 1824 | SODIUM HYDROXIDE SOLUTION | 8 | II | - |

| IMDG | UN-no. | Proper Shipping Name | Class | PG* | EmS | MP** | Hazardous constituent |
|------|--------|---------------------------|-------|-----|-----|------|-----------------------|
| | 1824 | SODIUM HYDROXIDE SOLUTION | 8 | II | - | - | - |

14.5. Environmental hazards

-

14.6. Special precautions for user

-

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No data available

(*) Packing group

(**) Marine pollutant

SECTION 15: Regulatory information

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

Restrictions for application

People under the age of 18 must not be exposed to this product cf. Council Directive 94/33/EC. For exceptions, see the Danish Working Environment Authority's Executive Order No. 239 of 6 April 2005.

Demands for specific education

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Additional information

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15.2. Chemical safety assessment

No

SECTION 16: Other information'

Sources

EC regulation 1907/2006 (REACH)

Directive 2000/532/EC

EC Regulation 1272/2008 (CLP)

Full text of H/R-phrases as mentioned in section 3

R22 - Harmful if swallowed.

R34 - Causes burns.

R35 - Causes severe burns.

R38 - Irritating to skin.

R41 - Risk of serious damage to eyes.

R50 - Very toxic to aquatic organisms.

H302 - Harmful if swallowed.

H314 - Causes severe skin burns and eye damage.

H315 - Causes skin irritation.

H318 - Causes serious eye damage.

H400 - Very toxic to aquatic life.

The full text of identified uses as mentioned in section 1

Other symbols mentioned in section 2

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Other

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

A change (in proportion to the last essential change (first cipher in SDS version)) is marked with a blue triangle.

The safety data sheet is validated by

Lisbet Tetsche

Date of last essential change

(First cipher in SDS version)

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Date of last minor change

(Last cipher in SDS version)

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