

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

Trade name : HAKUPUR 49/800
Revision date : 01.05.2017
Print date : 20-07-2018

Version (Revision) : 105.0.0 (104.0.1)

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

1.1 Product identifier

HAKUPUR 49/800

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

Relevant identified uses

Product Categories [PC]

PC9 - Coatings and paints, fillers, putties, thinners

PC14 - Metal surface treatment products, including galvanic and electroplating products

PC35 - Washing and cleaning products (including solvent based products)

Sector of uses [SU]

SU3a - Industrial uses

Uses advised against

This product shall not be available to the general public/consumers as such. This product is not recommended for applications either than the above-identified uses.

1.3 Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor)

Kluthe Benelux BV

Street : Produktieweg 8

Postal code/city : NL 2404 CC ALPHEN A/D RIJN

Telephone : +31 (0)172 - 516000

Telefax : +31 (0)172 - 439494

E-mail (competent person) : sds@kluthe.nl

1.4 Emergency telephone number

NL - Nationaal Vergiftigingen Informatie Centrum NVIC - Bilthoven + 31 30 274 88 88 (Uitsluitend bereikbaar voor een behandelend arts in geval van een accidentele vergiftiging) // BE - Antigifcentrum - Brussel + 32 70 245 245 (een arts beantwoordt uw oproep) // BE - Centre Anti-poison - Bruxelles + 32 70 245 245 (un médecin répondra à votre appel). // D - Antigifcentrum (Duitsland - Berlin) : +49 30 450 653565 // S - Swedish Poisons Information Center 112 begär Giftinformationscentralen // UK - Ricardo-AEA (UK) : +44 (0)870 190 6777 // DK - Poison Information Center Denmark +45 82 12 12 12 // AT (Austria) - Vergiftungsinformationszentrale der Gesundheit Österreich GmbH Notruf-Telefon: +43 1 406 43 43 // NO - Norwegian Environment Agency Tel: +47 73 58 05 00 // PL - Bureau for Chemical Substances Information Center 112 //

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Eye Irrit. 2 ; H319 - Serious eye damage/eye irritation : Category 2 ; Causes serious eye irritation.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms



Exclamation mark (GHS07)

Signal word

Warning

Hazard statements

H319 Causes serious eye irritation.

Precautionary statements

P264 Wash face, hands and exposed skin thoroughly after handling.

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

P337+P313 If eye irritation persists: Get medical advice/attention.

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P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Special rules for supplemental label elements for certain mixtures

For professional use only.

2.3 Other hazards

None

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous ingredients

FATTY ALCOHOL POLYGLYCOLETHER ; REACH registration No. : Polymer ; CAS No. : 9043-30-5

Weight fraction : $\geq 2,5 - < 10$ %

Classification 1272/2008 [CLP] : Eye Dam. 1 ; H318 Acute Tox. 4 ; H302

2-[2-(2-BUTOXYETHOXY)ETHOXY]ETHANOL ; REACH registration No. : 01-2119475107-38-xxxx ; EC No. : 205-592-6; CAS No. : 143-22-6

Weight fraction : $< 2,5$ %

Classification 1272/2008 [CLP] : Eye Dam. 1 ; H318

This mixture contains the following substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH

None

This mixture contains the following substances of very high concern (SVHC) which are subject to authorisation according to Annex XIV of REACH

None

Additional information

Full text of H- and EUH-phrases: see section 16.

Components according to regulation (EG) Nr. 648/2004

| | | |
|-----------------------|------------|-----------------------------|
| Non-ionic surfactants | 5 - < 15 % | Regulation (EC) No 648/2004 |
|-----------------------|------------|-----------------------------|

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

When in doubt or if symptoms are observed, get medical advice. Never give anything by mouth to an unconscious person or a person with cramps. If unconscious place in recovery position and seek medical advice. Change contaminated, saturated clothing. For further information refer to chapter 11 (Toxicological information).

Following inhalation

Remove casualty to fresh air and keep warm and at rest. After inhaling vapours, first symptoms of poisoning may develop hours later, so always consult a doctor.

In case of skin contact

Water and soap Do not wash with: Solvents/Thinner

After eye contact

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water. Keep at rest.

Self-protection of the first aider

No direct artificial respiration to be given by first aider.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

None

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SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

alcohol resistant foam Carbon dioxide (CO2) Extinguishing powder Water mist

Unsuitable extinguishing media

Strong water jet

5.2 Special hazards arising from the substance or mixture

None

5.3 Advice for firefighters

None

5.4 Additional information

Cool endangered containers with water in case of fire.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use appropriate respiratory protection. Keep away from ignition sources on account of the organic solvent content and ventilate room. Do not inhale vapours. See protective measures under point 8 from the MSDS.

6.2 Environmental precautions

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

6.3 Methods and material for containment and cleaning up

For cleaning up

Suitable material for diluting or neutralizing:

Other information

Clear spills immediately.

6.4 Reference to other sections

See sections 8 &13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Do not smoke, eat or drink in places where this product is used. Comply with the health and safety at work laws.

Protective measures

Do not breathe gas/fumes/vapour/spray. Wear personal protection equipment (refer to section 8 from the MSDS).

Measures to prevent fire

Vapours are heavier than air, spread along floors and form explosive mixtures with air. Keep away from sources of ignition. - No smoking.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep away from oxidizing agents, and from strong alkaline and strong acid materials.

Requirements for storage rooms and vessels

Keep container tightly closed.

Hints on joint storage

Storage class : 10

Storage class (TRGS 510) : 10

Further information on storage conditions

Keep only in the original container in a cool, well-ventilated place.

7.3 Specific end use(s)

None

SECTION 8: Exposure controls/personal protection

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8.1 Control parameters

DNEL/DMEL and PNEC values

DNEL/DMEL

Limit value type : DNEL/DMEL (Consumer) (2-[2-(2-BUTOXYETHOXY)ETHOXY]ETHANOL ; CAS No. : 143-22-6)
Exposure route : Dermal
Exposure frequency : Long-term (repeated)
Limit value : 25 mg/kg
Limit value type : DNEL/DMEL (Consumer) (2-[2-(2-BUTOXYETHOXY)ETHOXY]ETHANOL ; CAS No. : 143-22-6)
Exposure route : Inhalation
Exposure frequency : Long-term (repeated)
Limit value : 117 mg/m³
Limit value type : DNEL/DMEL (Consumer) (2-[2-(2-BUTOXYETHOXY)ETHOXY]ETHANOL ; CAS No. : 143-22-6)
Exposure route : Oral
Exposure frequency : Long-term (repeated)
Limit value : 2,5 mg/kg
Limit value type : DNEL/DMEL (Industrial) (2-[2-(2-BUTOXYETHOXY)ETHOXY]ETHANOL ; CAS No. : 143-22-6)
Exposure route : Dermal
Exposure frequency : Long-term (repeated)
Limit value : 50 mg/kg
Limit value type : DNEL/DMEL (Industrial) (2-[2-(2-BUTOXYETHOXY)ETHOXY]ETHANOL ; CAS No. : 143-22-6)
Exposure route : Inhalation
Exposure frequency : Long-term (repeated)
Limit value : 195 mg/m³

PNEC

Limit value type : PNEC (2-[2-(2-BUTOXYETHOXY)ETHOXY]ETHANOL ; CAS No. : 143-22-6)
Exposure route : Süßwasser
Limit value : 1,5 mg/l
Limit value type : PNEC (2-[2-(2-BUTOXYETHOXY)ETHOXY]ETHANOL ; CAS No. : 143-22-6)
Exposure route : Marine water
Limit value : 0,15 mg/l
Limit value type : PNEC (2-[2-(2-BUTOXYETHOXY)ETHOXY]ETHANOL ; CAS No. : 143-22-6)
Exposure route : Fresh water deposition
Limit value : 5,77 mg/kg
Limit value type : PNEC (2-[2-(2-BUTOXYETHOXY)ETHOXY]ETHANOL ; CAS No. : 143-22-6)
Exposure route : Seawater deposition
Limit value : 0,13 mg/kg
Limit value type : PNEC (2-[2-(2-BUTOXYETHOXY)ETHOXY]ETHANOL ; CAS No. : 143-22-6)
Exposure route : Soil
Limit value : 0,45 mg/kg

8.2 Exposure controls

Personal protection equipment

Eye/face protection

Use tightly fitting safety glasses.

Skin protection

Hand protection

Solvent-resistant protective gloves must be worn. Barrier creams may help to protect the exposed areas of the skin. They should however not be applied once exposure has occurred. There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals. The breakthrough time must be greater than the end use time of the product. The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed. Gloves should be replaced regularly and if there is any sign of damage to the glove material. Always ensure that gloves are free from defects and that

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they are stored and used correctly. The performance or effectiveness of the glove may be reduced by physical/chemical damage and poor maintenance. Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred.

Suitable material : Butyl caoutchouc (butyl rubber)

Breakthrough time (maximum wearing time) : 480 min

Thickness of the glove material : 0,7 mm

Recommended glove articles : DIN EN 374

Body protection

Personel should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber. All parts of the body should be washed after contact.

Respiratory protection

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. If workplace limits are exceeded, a gas mask approved for this purpose must be worn.

Suitable respiratory protection apparatus

DIN EN 12942:2009-02 Filtering device with filter or ventilator filtering device of type: A

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Colour: Colourless

Odour: Perfumed

Safety relevant basis data

Physical state :

Liquid

Store frost free :

Yes

Viscosity:

No data available

Melting point / range : (1013 hPa)

no data available

Boiling point / range : (1013 hPa)

100 - 280 °C Calculated

Decomposition temperature : (1013 hPa)

No data available

Freezing point :

°C

Flash point :

100

Flash point :

Not inflammable

Density : (20 °C)

0,995 - 1,025 g/cm³

pH value (concentrate) : (20 °C)

7 - 9 NEN 6411:1981

log P O/W :

No data available

Odour threshold :

No data available

Vapourisation rate :

No data available

Explosive properties :

No data available

9.2 Other information

Information on basic physical and chemical properties with no data available means not applicable due to the nature of the product.

SECTION 10: Stability and reactivity

10.1 Reactivity

No information available.

10.2 Chemical stability

No information available.

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to avoid

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

10.5 Incompatible materials

Keep away from oxidizing agents, strong alkaline and strong acid materials in order to avoid exothermic reactions.

10.6 Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

There are no data available on the preparation itself. Repeated or prolonged contact with the product may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin. If the liquid splashes in the eyes it may cause irritation and reversible damage.

Acute effects

Acute oral toxicity

Parameter : LD50 (2-[2-(2-BUTOXYETHOXY)ETHOXY]ETHANOL ; CAS No. : 143-22-6)
Exposure route : Oral
Species : Mouse
Effective dose : > 2000 mg/kg

Acute dermal toxicity

Parameter : LD50 (2-[2-(2-BUTOXYETHOXY)ETHOXY]ETHANOL ; CAS No. : 143-22-6)
Exposure route : Dermal
Species : Rabbit
Effective dose : > 2000 mg/kg

SECTION 12: Ecological information

Do not empty into water courses or drains.

12.1 Toxicity

Aquatic toxicity

Acute (short-term) fish toxicity

Parameter : LC50 (2-[2-(2-BUTOXYETHOXY)ETHOXY]ETHANOL ; CAS No. : 143-22-6)
Species : Poecilia reticulata (Guppy)
Effective dose : > 100 mg/l

Acute (short-term) daphnia toxicity

Parameter : EC50 (2-[2-(2-BUTOXYETHOXY)ETHOXY]ETHANOL ; CAS No. : 143-22-6)
Species : Daphnia magna (Big water flea)
Effective dose : > 100 mg/l
Exposure time : 24 h

Acute (short-term) algae toxicity

Parameter : EC50 (2-[2-(2-BUTOXYETHOXY)ETHOXY]ETHANOL ; CAS No. : 143-22-6)
Species : Desmodesmus subspicatus
Effective dose : > 72 mg/l
Exposure time : 72 h

Bacteria toxicity

Parameter : EC10 (2-[2-(2-BUTOXYETHOXY)ETHOXY]ETHANOL ; CAS No. : 143-22-6)
Species : Bacteria toxicity
Effective dose : > 100 mg/l
Exposure time : 30 min

12.2 Persistence and degradability

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects

No information available.

12.7 Additional ecotoxicological information

None

12.8 Overall evaluation

No environmental risks of preparations are available.

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

In accordance with local official regulations treat in a watertreatment or discharge to a waste disposal company.

Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code (91/689/EEC) : 11 01 13*

SECTION 14: Transport information

14.1 UN number

No dangerous good in sense of these transport regulations.

14.2 UN proper shipping name

No dangerous good in sense of these transport regulations.

14.3 Transport hazard class(es)

No dangerous good in sense of these transport regulations.

14.4 Packing group

No dangerous good in sense of these transport regulations.

14.5 Environmental hazards

No dangerous good in sense of these transport regulations.

14.6 Special precautions for user

None

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

Not applicable

14.8 Additional information

Inland waterway craft (ADN) : No data available

SECTION 15: Regulatory information

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

National regulations

Technische Anleitung Luft (TA-Luft)

Weight fraction (Number 5.2.5. I) : < 5 %

Water hazard class (WGK)

Class : 1 (Slightly hazardous to water) Classification according to VwVwS

International regulatory information

This product contains max.: 5 g/l VOC

15.2 Chemical safety assessment

For this mixture a chemical safety assessment has not been carried out.

SECTION 16: Other information

16.1 Indication of changes

03. Hazardous ingredients · 15. Water hazard class (WGK)

16.2 Abbreviations and acronyms

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

ABM Algemene Beoordelings Methodiek

ADR European Agreement concerning the International Carriage of Dangerous Goods by Road

AC Article category

CSR Chemical safety report

CAS Chemical Abstracts Service

CLP Classification Labelling Packaging

DIN Duitse Institut voor Normen

DMEL Derived minimum effect level

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DNEL Derived No-Effect Level
DU Downstream user
DU-CSA Downstream user chemical safety assessment
ECHA European Chemicals Agency
EC50 Half maximal effective concentration
EINECS European Inventory of Existing Commercial Chemical Substances
ERC Environmental release class
ES Exposure scenario
ESD Emission scenario document
EWC European waste Catalogue
EWL European waste list
GHS Globally Harmonised System
IMDG International Maritime Dangerous Goods Code
ISO International Standards Organisation
LC50 Median lethal concentration. The concentration causing 50 % lethality
LD50 Median lethal dose. The dose causing 50 % lethality
LEL Lower Explosion Limit
NOAEL No observed adverse effect level
NOEC No observed effect concentration
NOEL No observed effect level
OC Operational condition
OEL Occupational exposure Limits
PC Chemical product category
PBT Persistent, bioaccumulative, toxic
PNEC Predicted no-effect concentration
PPE Personal protection equipment
PROC Process category
RMM Risk management measure
REACH Registration, Evaluation, Authorisation and Restriction of Chemicals
SDS Safety data sheet
STEL Short-term Exposure limit
SU Sectors of use
SVHC Substances of very high concern
UC Use category
UN United Nations
VIB Veiligheidsinformatieblad
vPvB Very persistent and very bioaccumulative
ZZS Zeer Zorgwekkende Stoffen

16.3 Key literature references and sources for data

None

16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Classification of the substance or mixture according to Regulation (EC) No 1272/2008 [CLP] by calculation method via software.

16.5 Relevant H- and EUH-phrases (Number and full text)

H302 Harmful if swallowed.
H318 Causes serious eye damage.

16.6 Training advice

None

16.7 Additional information

We have no knowledge or control over the user's working conditions however. The user is responsible for the observance of all required statutory provisions. These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product feature and shall not establish a legally valid contractual relationship.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.
