

Rudolf Hensel GmbH
21039 Börnsen

Date printed 28.02.2024, Revision 28.02.2024

Version 4.0. Supersedes version: 3.0

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

1.1 Product identifier

HENSOGRUND 1K AK

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

1.2.1 Relevant uses

Basic coating

1.2.2 Uses advised against

None known.

1.3 Details of the supplier of the safety data sheet

Company

Rudolf Hensel GmbH
Lauenburger Landstr. 11
21039 Börnsen / GERMANY
Phone +49 (0)40-72 10 62 10
Fax +49 (0)40-72 10 62 52
Homepage www.rudolf-hensel.de
E-mail info@rudolf-hensel.de

Address enquiries to

Technical information

info@rudolf-hensel.de

Safety Data Sheet

sdb@chemiebuero.de (No dispatch of safety data sheets)

Safety data sheets are available from the supplier.

1.4 Emergency telephone number

Company

+49 (0)40-72 10 62 10 (7:00 - 17:00) 0172 4115390 (17:00 - 07:00)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture [REGULATION (EC) No 1272/2008]

Flam. Liq. 3: H226 Flammable liquid and vapour.

Skin Irrit. 2: H315 Causes skin irritation.

Eye Irrit. 2: H319 Causes serious eye irritation.

STOT SE 3: H335 May cause respiratory irritation.

STOT RE 2: H373 May cause damage to organs through prolonged or repeated exposure.

2.2 Label elements

Hazard pictograms



Signal word

WARNING

Contains:

Reaction mass of ethylbenzene and xylene

Hazard statements

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

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

P260 Do not breathe vapours / spray.

P271 Use only outdoors or in a well-ventilated area.

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

P314 Get medical advice / attention if you feel unwell.

P501 Dispose of contents/container in accordance with local/national regulation.

2004/42/CE

< 500 g/l II A i SB One-pack performance coatings (max. 500 g/l)

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2.3 Other hazards

Human health dangers	If swallowed or in the event of vomiting, risk of product entering the lungs.
Environmental hazards	Does not contain any PBT or vPvB substances. Contains no ingredients with endocrine-disrupting properties.
Other hazards	Further hazards were not determined with the current level of knowledge.

SECTION 3: Composition / Information on ingredients

3.1 Substances

not applicable

3.2 Mixtures

The product is a mixture.

Range [%]	Substance
15 - < 25	Reaction mass of ethylbenzene and xylene
	EINECS/ELINCS: 905-588-0, Reg-No.: 01-2119488216-32-XXXX, 01-2119486136-34-XXXX
	GHS/CLP: Flam. Liq. 3: H226 - Acute Tox. 4: H312 H332 - Asp. Tox. 1: H304 - Skin Irrit. 2: H315 - Eye Irrit. 2: H319 - STOT SE 3: H335 - STOT RE 2: H373
	SCL [%]: >= 10: STOT RE 2: H373

Comment on component parts For full text of H-statements: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information	Take off contaminated clothing and wash before reuse.
Inhalation	Remove the victim into fresh air and keep him calm. Get medical advice.
Skin contact	When in contact with the skin, clean with soap and water. Get medical advice.
Eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice.
Ingestion	Consult a doctor immediately. Do not induce vomiting. Rinse out mouth and give plenty of water to drink.

4.2 Most important symptoms and effects, both acute and delayed

Irritant effects
Vertigo
Allergic reactions

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media	Water spray jet. Carbon dioxide. Foam. Dry powder.
Extinguishing media that must not be used	Full water jet.

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5.2 Special hazards arising from the substance or mixture

In the event of fire the following can be released:

Carbon monoxide (CO)
Nitrogen oxides (NO_x).
Phosphorus oxides (PO_x).

5.3 Advice for firefighters

Use self-contained breathing apparatus.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

Collect contaminated firefighting water separately, must not be discharged into the drains.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Keep away from all sources of ignition.
Ensure adequate ventilation.
Use breathing apparatus if exposed to vapours.
Use personal protective equipment (protective gloves, safety glasses, protective clothing).

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.
In case the product spills into drains/surface waters/groundwater, immediately inform the authorities.

6.3 Methods and material for containment and cleaning up

Take up mechanically.
Take up residues with absorbent material (e.g. sand, sawdust, general purpose binder, diatomaceous earth).
Dispose of absorbed material in accordance with the regulations.

6.4 Reference to other sections

See SECTION 8+13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Provide suitable vacuuming at the processing machines and in the processing area.
Provide good room ventilation even at ground level (vapours are heavier than air).

Vapours can form an explosive mixture with air.
Take precautionary measures against static discharges.
Keep away from all sources of ignition - Refrain from smoking.
Ignitable mixtures can be formed in the empty container.
Apparates and equipments must be conform in accordance to standard of storage and handling of flammable products.

Do not eat, drink, smoke or take drugs at work.
Take off contaminated clothing and wash before reuse.
After worktime and before work breaks the affected skin areas must be thoroughly cleaned.
Use barrier skin cream.



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7.2 Conditions for safe storage, including any incompatibilities

Provide solvent-resistant and impermeable floor.

Keep only in original container.

Prevent penetration into the ground.

Provide floor with bunding.

Do not store together with oxidizing agents.

Keep container tightly closed.

Keep container in a well-ventilated place.

Protect from heat/overheating.

Keep in a cool place.

storage class (TRGS 510)

Storage class 3 (TRGS 510)

7.3 Specific end use(s)

See product use, SECTION 1.2



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SECTION 8: Exposure controls / personal protection

8.1 Control parameters

Ingredients with occupational exposure limits to be monitored DE (TRGS 900)

Substance
Barium sulfate
CAS: 7727-43-7, EINECS/ELINCS: 231-784-4
Exposure limit: Allgemeiner Staubgrenzwert (siehe auch Nummer 2.4); Alveolengängige Fraktion: 1,25 A (mg/m³); Einatembare Fraktion: 10 E (mg/m³); AGS, DFG, Y.
Factor: 2(II)
Talc (Mg3H2(SiO3)4)
CAS: 14807-96-6, EINECS/ELINCS: 238-877-9
Exposure limit: 1,25A mg/m³, Allgemeiner Staubgrenzwert, Alveolengängige Fraktion. Einatembare Fraktion: 10E mg/m³. AGS, DFG, Y.
Factor: 2(II)
Xylene, mixture of isomers
CAS: 1330-20-7, EINECS/ELINCS: 215-535-7, EU-INDEX: 601-022-00-9, Reg-No.: 01-2119488216-32-XXXX
Exposure limit: 50 ppm, 220 mg/m³, DFG, EU, H
Factor: 2(II)
Ethylbenzene
CAS: 100-41-4, EINECS/ELINCS: 202-849-4, EU-INDEX: 601-023-00-4, Reg-No.: 01-2119489370-35-XXXX
Exposure limit: 20 ppm, 88 mg/m³, H, Y, DFG
Factor: 2(II)
Fluorite (CaF2) (naturally occurring substance)
CAS: 14542-23-5, EINECS/ELINCS: 238-575-7
Exposure limit: 1 mg/m³, E, DFG, Y, H (als Fluor)
Factor: 4(II)

Ingredients with occupational exposure limits to be monitored EU (2004/37/EG)

Substance / EC LIMIT VALUES
Xylene, mixture of isomers
CAS: 1330-20-7, EINECS/ELINCS: 215-535-7, EU-INDEX: 601-022-00-9, Reg-No.: 01-2119488216-32-XXXX
Eight hours: 50 ppm, 221 mg/m³, H
Short-term (15-minute): 100 ppm, 442 mg/m³
Ethylbenzene
CAS: 100-41-4, EINECS/ELINCS: 202-849-4, EU-INDEX: 601-023-00-4, Reg-No.: 01-2119489370-35-XXXX
Eight hours: 100 ppm, 442 mg/m³, H
Short-term (15-minute): 200 ppm, 884 mg/m³
Fluorite (CaF2) (naturally occurring substance)
CAS: 14542-23-5, EINECS/ELINCS: 238-575-7
Eight hours: 2,5 mg/m³, as F

DNEL

Substance
Reaction mass of ethylbenzene and xylene
Industrial, dermal, Long-term - systemic effects, 212 mg/kg bw/day
Industrial, inhalative (vapor), Acute - local effects, 442 mg/m³
Industrial, inhalative (vapor), Long-term - local effects, 221 mg/m³
Industrial, inhalative (vapor), Acute - systemic effects, 442 mg/m³



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Industrial, inhalative (vapor), Long-term - systemic effects, 221 mg/m ³
general population, oral, Long-term - systemic effects, 12,5 mg/kg bw/day
general population, dermal, Acute - local effects, 125 mg/kg bw/day
general population, inhalative (vapor), Acute - local effects, 260 mg/m ³
general population, inhalative (vapor), Long-term - local effects, 65,3 mg/m ³
general population, inhalative (vapor), Acute - systemic effects, 260 mg/m ³
general population, inhalative (vapor), Long-term - systemic effects, 65,3 mg/m ³

PNEC

Substance
Reaction mass of ethylbenzene and xylene
freshwater, 0,327 mg/L
seawater, 0,327 mg/L
sewage treatment plants (STP), 6,58 mg/L
sediment (freshwater), 12,46 mg/kg sediment dw
sediment (seawater), 12,46 mg/kg sediment dw
soil, 2,31 mg/kg soil dw

8.2 Exposure controls

Additional advice on system design	Ensure adequate ventilation on workstation. Measurement methods for taking workplace measurements must meet the performance requirements of DIN EN 482. For example, recommendations are given in the IFA's list of hazardous substances.
Eye protection	Safety glasses. (EN 166:2001)
Hand protection	For short-term contact: 0,4 mm Butyl rubber, >480 min (EN 374-1/-2/-3). 0,4 mm Nitrile rubber, >480 min (EN 374-1/-2/-3). In full contact: 0,7 mm Viton, >480 min (EN 374-1/-2/-3). The details concerned are recommendations. Please contact the glove supplier for further information.
Skin protection	Solvent-resistant protective clothing (EN 340)
Other	Avoid contact with eyes and skin. Do not inhale gases/vapours/aerosols. Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier. Avoid contact during pregnancy/ while nursing.
Respiratory protection	In the event of occupational exposure limits being exceeded or of inadequate ventilation: wear appropriate respiratory protection. Short term: filter apparatus, combination filter A-P2. (DIN EN 14387)
Thermal hazards	not relevant
Delimitation and monitoring of the environmental exposition	Protect the environment by applying appropriate control measures to prevent or limit emissions.



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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	liquid
Form	liquid
Color	red-brown
Odor	characteristic
Odour threshold	not determined
pH-value	not applicable
pH-value [1%]	not applicable
Boiling point or initial boiling point and boiling range [°C]	> 35
Flash point [°C]	26
Flammability	yes
Lower explosion limit	1,0 Vol.%
Upper explosion limit	8,0 Vol.%
Oxidising properties	no
Vapour pressure/gas pressure [kPa]	ca. 0,8 (20°C)
Density [g/cm ³]	1,5 - 1,6 (20 °C / 68,0 °F)
Relative density	not determined
Bulk density [kg/m ³]	not applicable
Solubility in water	virtually insoluble
Solubility other solvents	No information available.
Partition coefficient n-octanol/water (log value)	not determined
Kinematic viscosity	2000 - 3500 mPa.s (20 °C)
Relative vapour density	not determined
Melting point [°C]	not determined
Auto-ignition temperature [°C]	not self-igniting
Decomposition temperature [°C]	not determined
Particle characteristics	not applicable

9.2 Other information

none

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reactions known if used as directed.

10.2 Chemical stability

The product is stable under standard conditions.

10.3 Possibility of hazardous reactions

Evolution of flammable mixtures possible in air when heated above flash point and/or during spraying or misting.
Uncleaned empty vessels may contain product gases which can form explosive mixtures with air.
Reactions with oxidizing agents.



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10.4 Conditions to avoid

Strong heating.
See SECTION 7

10.5 Incompatible materials

See SECTION 10.3.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

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SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute oral toxicity

Product
ATE-mix, oral, > 2000 mg/kg
Substance
Reaction mass of ethylbenzene and xylene
LD50, oral, Rat, 3523 - 4000 mg/kg

Acute dermal toxicity

Product
ATE-mix, dermal, > 2000 mg/kg
Substance
Reaction mass of ethylbenzene and xylene
LD50, dermal, Rabbit, 12126 mg/kg

Acute inhalational toxicity

Product
ATE-mix, inhalation (vapour), > 20 mg/l 4h
Substance
Reaction mass of ethylbenzene and xylene
LC50, inhalation (vapour), Rat, 6350 - 6700 ppm 4h

Serious eye damage/irritation

Irritant
Based on the available information, the classification criteria are fulfilled.
Toxicological data of complete product are not available.
Calculation method

Substance
Reaction mass of ethylbenzene and xylene
Eye, irritant

Skin corrosion/irritation

Irritant
Based on the available information, the classification criteria are fulfilled.
Toxicological data of complete product are not available.
Calculation method

Substance
Reaction mass of ethylbenzene and xylene
dermal, irritant

Respiratory or skin sensitisation

Based on the available information, the classification criteria are not fulfilled.
Toxicological data of complete product are not available.

Substance
Reaction mass of ethylbenzene and xylene
dermal, non-sensitizing

Specific target organ toxicity — single exposure

May cause respiratory irritation.
Based on the available information, the classification criteria are fulfilled.



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Toxicological data of complete product are not available.
Calculation method

Substance
Reaction mass of ethylbenzene and xylene
inhalative, irritant

Specific target organ toxicity — repeated exposure

May cause damage to organs through prolonged or repeated exposure.
Based on the available information, the classification criteria are fulfilled.
Toxicological data of complete product are not available.
Calculation method

Substance
Reaction mass of ethylbenzene and xylene
NOAEL, oral, Rat, 250 mg/kg bw/day (chronic), adverse effect observed
NOAEC, inhalative, Rat, 3515 mg/m ³ (subchronic), adverse effect observed

Mutagenicity

Does not contain a relevant substance that meets the classification criteria.
Based on the available information, the classification criteria are not fulfilled.
Toxicological data of complete product are not available.

Substance
Reaction mass of ethylbenzene and xylene
in vivo, no adverse effect observed

Reproduction toxicity

Based on the available information, the classification criteria are not fulfilled.
Toxicological data of complete product are not available.

- Fertility

No information available.

- Development

Substance
Reaction mass of ethylbenzene and xylene
inhalative, Rat, 4698 mg/m ³ , no adverse effect observed

Carcinogenicity

Based on the available information, the classification criteria are not fulfilled.
Toxicological data of complete product are not available.

Substance
Reaction mass of ethylbenzene and xylene
NOAEL, oral, Rat, 500 mg/kg bw/day (chronic), no adverse effect observed

Aspiration hazard

Based on the available information, the classification criteria are not fulfilled.

General remarks

none

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

Does not contain a relevant substance that meets the classification criteria.

11.2.2 Other information

none



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SECTION 12: Ecological information

12.1 Toxicity

Product

Based on the available information, the classification criteria are not fulfilled.

Substance

Reaction mass of ethylbenzene and xylene

LC50, (96h), Oncorhynchus mykiss, 2,6 mg/l OECD 203

LC50, (24h), Daphnia magna, 1 mg/l OECD 202

EC50, (72h), Selenastrum capricornutum, 2,2 mg/l OECD 201

NOEC, (21d), Invertebrates, 1,57 mg/l

12.2 Persistence and degradability

Behaviour in environment compartments not determined

Behaviour in sewage plant not determined

Biological degradability not determined

12.3 Bioaccumulative potential

Accumulation in organisms is not expected.

12.4 Mobility in soil

Spillages may penetrate the soil causing ground water contamination.

12.5 Results of PBT and vPvB assessment

Based on all available information not to be classified as PBT or vPvB respectively.

12.6 Endocrine disrupting properties

Does not contain a relevant substance that meets the classification criteria.

12.7 Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

Product

Dispose of as hazardous waste.

Disposal in an incineration plant in accordance with the regulations of the local authorities.

Waste no. (recommended)

080111*

Contaminated packaging

Untaminated packaging may be taken for recycling.

Packaging that cannot be cleaned should be disposed of as for product.

Waste no. (recommended)

150110* packaging containing residues of or contaminated by hazardous substances

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SECTION 14: Transport information

14.1 UN number or ID number

Transport by land according to ADR/RID 1263

Inland navigation (ADN) 1263

Marine transport in accordance with IMDG 1263

Air transport in accordance with IATA 1263

14.2 UN proper shipping name

Transport by land according to ADR/RID Paint (No dangerous goods, according ADR 2.2.3.1.5 to max. 450 l)

- Label



- ADR 1.1.3.6 (8.6)

Transport category (tunnel restriction code) 3 (D/E)

Inland navigation (ADN)

Paint (No dangerous goods, according ADR 2.2.3.1.5 to max. 450 l)

- Label



Marine transport in accordance with IMDG

Paint (No dangerous goods, according IMDG 2.3.2.5 to max. 30 l (see 5.4.1.5.10) - "transport in compliance with 2.3.2.5 of the IMDG Code")

- EMS

F-E, S-E

- Label



Air transport in accordance with IATA Paint

- Label



14.3 Transport hazard class(es)

Transport by land according to ADR/RID 3

Inland navigation (ADN) 3

Marine transport in accordance with IMDG 3

Air transport in accordance with IATA 3



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14.4 Packing group

Transport by land according to ADR/RID III

Inland navigation (ADN) III

Marine transport in accordance with IMDG III

Air transport in accordance with IATA III

14.5 Environmental hazards

Transport by land according to ADR/RID no

Inland navigation (ADN) no

Marine transport in accordance with IMDG no

Air transport in accordance with IATA no

14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

14.7 Maritime transport in bulk according to IMO instruments

not applicable



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SECTION 15: Regulatory information

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

EEC-REGULATIONS	2008/98/EG (2000/532/EG); 2010/75/EU; 2004/42/EG; (EG) 648/2004; (EG) 1907/2006 (REACH); (EU) 1272/2008; 75/324/EWG ((EG) 2016/2037); (EU) 2020/878; (EU) 2016/131; (EU) 517/2014; (EU) 2019/1148; (EU) 2019/1021
- Comment on component parts	Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%.
- Annex I (REACH)	The product is not subject to Annex I restrictions.
- Annex XIV (REACH)	According to Annex XIV of Regulation (EC) 1907/2006 (REACH) the product does not contain any substances $\geq 0.1\%$ that are subject to authorisation.
- Annex XVII (REACH)	According to Annex XVII of Regulation (EC) 1907/2006 (REACH) the product contains $\geq 0.1\%$ of substances with the following restrictions. 40, 75 According to Annex XVII of Regulation (EC) 1907/2006 (REACH) the product is subject to the following restrictions. 3
TRANSPORT-REGULATIONS	ADR (2023); IMDG-Code (2023, 41. Amdt.); IATA-DGR (2024)
NATIONAL REGULATIONS (DE):	Hazardous Substances Ordinance - GefStoffV 21.07.2021; Detergent and Cleaning Agents Act - WRMG; Federal Water Act - WHG; Technical Rule for Hazardous Substances - TRGS: 200, 220, 615, 900, 905.
- Water hazard class	2, conf. AwSV, 18.04.2017
- Decree for case of interference, observe limits	yes
- Class. according to TA-Luft	5.2.5.
Storage class (TRGS 510)	Storage class 3 (TRGS 510)
- Observe employment restrictions for people	Observe employment restrictions for mothers-to-be and nursing mothers. Observe employment restrictions for young people.
- VOC (2010/75/CE)	< 500 g/l
- Other regulations	Principles of industrial medicine Occupational Safety Regulations G29: Toluene, Xylene. DGUV Information 213-079: Tätigkeiten mit Gefahrstoffen - Informationen für Beschäftigte. DGUV Information 213-072: Lösemittel (Merkblatt M 017 der Reihe "Gefahrstoffe") TRGS 401: Gefährdung durch Hautkontakt. - Ermittlung, Beurteilung, Maßnahmen. TRGS 510: Storage of hazardous substances in non-stationary containers DGUV Information 213-070: Säuren und Laugen (Merkblatt M 004 der Reihe „Gefahrstoffe“)

15.2 Chemical safety assessment

not applicable

SECTION 16: Other information

16.1 Hazard statements (SECTION 3)

H373 May cause damage to organs through prolonged or repeated exposure through inhalation.
H335 May cause respiratory irritation.
H319 Causes serious eye irritation.
H315 Causes skin irritation.
H304 May be fatal if swallowed and enters airways.
H312+H332 Harmful in contact with skin or if inhaled.
H226 Flammable liquid and vapour.

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16.2 Abbreviations and acronyms:

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
ATE = acute toxicity estimate
CAS = Chemical Abstracts Service
CLP = Classification, Labelling and Packaging
DMEL = Derived Minimum Effect Level
DNEL = Derived No Effect Level
EC50 = Median effective concentration
ECB = European Chemicals Bureau
EEC = European Economic Community
EINECS = European Inventory of Existing Commercial Chemical Substances
EL50 = Median effective loading
ELINCS = European List of Notified Chemical Substances
EmS = Emergency Schedules
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IC50 = Inhibition concentration, 50%
IMDG = International Maritime Code for Dangerous Goods
IUCLID = International Uniform Chemical Information Database
IVIS = In vitro irritation score
LC50 = Lethal concentration, 50%
LD50 = Median lethal dose
LC0 = lethal concentration, 0%
LOAEL = lowest-observed-adverse-effect level
LL50 = Median lethal loading
LQ = Limited Quantities
MARPOL = International Convention for the Prevention of Marine Pollution from Ships
NOAEL = No Observed Adverse Effect Level
NOEC = No Observed Effect Concentration
PBT = Persistent, Bioaccumulative and Toxic substance
PNEC = Predicted No-Effect Concentration
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
STP = Sewage Treatment Plant
TLV@TWA = Threshold limit value – time-weighted average
TLV@STEL = Threshold limit value – short-time exposure limit
VOC = Volatile Organic Compounds
vPvB = very Persistent and very Bioaccumulative

16.3 Other information

Classification procedure

Flam. Liq. 3: H226 Flammable liquid and vapour. (On basis of test data)
Skin Irrit. 2: H315 Causes skin irritation. (Calculation method)
Eye Irrit. 2: H319 Causes serious eye irritation. (Calculation method)
STOT SE 3: H335 May cause respiratory irritation. (Calculation method)
STOT RE 2: H373 May cause damage to organs through prolonged or repeated exposure. (Calculation method)

Modified position

1.3, 2.1, 2.2, 2.3, 3.2, 8.1, 9.1, 11.1, 12.1, 15.1, 16.1, 16.2, 16.3

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