

# SAFETY DATA SHEET

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

### 1.1. Product identifier

**Trade name**

Junckers HP Friction+

**Product no.**

886-09

**REACH registration number**

Not applicable

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

**Relevant identified uses of the substance or mixture**

Lacquering of wooden floors

**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**

Junckers Industrier A/S

Vaerftsvej 4

4600 Koege

Denmark

Tel. +45 70 80 30 00

**Contact person****E-mail**

productsafety@junckers.dk

**SDS date**

2020-04-17

**SDS Version**

3.0

### 1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service).

See section 4 "First aid measures".

## SECTION 2: Hazards identification

### ▼ 2.1. Classification of the substance or mixture

Not classified according to Regulation (EC) No. 1272/2008 (CLP)

### 2.2. Label elements

**Hazard pictogram(s)**

Not applicable

**Signal word**

-

### ▼ Hazard statement(s)

Not applicable

### ▼ Precautionary statements

General -

Prevention -

Response -

Storage -

Disposal -

According to EC-Regulation 2015/830

▼ **Identity of the substances primarily responsible for the major health hazards**

Not applicable

▼ **Additional labelling**

Contains 1,2-Benzisothiazol-3(2H)-one (BIT), 5-Chloro-2-methyl-2H-isothiazol-3-one/2-Methyl-2H-isothiazol-3-one (3:1) (CMIT/MIT (3:1)). May produce an allergic reaction. (EUH208).

Safety data sheet available on request. (EUH210)

▼ **Unique formula identifier (UFI)**

-

▼ **2.3. Other hazards**

Not applicable

▼ **Additional warnings**

Not applicable

▼ **VOC (volatile organic compound)**

VOC-Max: 110 g/l, MAXIMUM VOC CONTENT (A/j (WB)): 140 g/l.

## SECTION 3: Composition/information on ingredients

▼ **3.1/3.2. Substances/Mixtures**

NAME: 2-(2-Butoxyethoxy)ethanol  
 IDENTIFICATION NOS.: CAS-no: 112-34-5 EC-no: 203-961-6 REACH-no: 01-2119475104-44 Index-no: 603-096-00-8  
 CONTENT: 2.5 - <5%  
 CLP CLASSIFICATION: Eye Irrit. 2  
 H319  
 NOTE: L

NAME: 2-Dimethylaminoethanol  
 IDENTIFICATION NOS.: CAS-no: 108-01-0 EC-no: 203-542-8 REACH-no: 01-2119492298-24 Index-no: 603-047-00-0  
 CONTENT: 0.25 - <1%  
 CLP CLASSIFICATION: Flam. Liq. 3, Acute Tox. 4, Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, Acute Tox. 3,  
 STOT SE 3  
 H226, H302, H312, H314, H318, H331, H335  
 NOTE: O

NAME: 1,2-Benzisothiazol-3(2H)-one (BIT)  
 IDENTIFICATION NOS.: CAS-no: 2634-33-5 EC-no: 220-120-9 Index-no: 613-088-00-6  
 CONTENT: <0.05%  
 CLP CLASSIFICATION: Acute Tox. 4, Skin Irrit. 2, Skin Sens. 1, Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 2  
 H302, H315, H317, H318, H400, H411 (M-acute = 1)

NAME: 5-Chloro-2-methyl-2H-isothiazol-3-one/2-Methyl-2H-isothiazol-3-one (3:1) (CMIT/MIT (3:1))  
 IDENTIFICATION NOS.: CAS-no: 55965-84-9 EC-no: 247-500-7/220-239-6 Index-no: 613-167-00-5  
 CONTENT: <0.0015%  
 CLP CLASSIFICATION: Acute Tox. 3, Acute Tox. 2, Skin Corr. 1C, Skin Sens. 1A, Eye Dam. 1, Acute Tox. 2,  
 Aquatic Acute 1, Aquatic Chronic 1  
 H301, H310, H314, H317, H318, H330, H400, H410 (M-acute = 100) (M-chronic = 100), EUH071

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

O = Organic solvent. L = European occupational exposure limit.

**Other information**

ATEmix(inhale, vapour) > 20  
 ATEmix(inhale, dust/mist) > 5  
 ATEmix(dermal) > 2000  
 ATEmix(oral) > 2000  
 Eye Cat. 2 Sum = Sum(Ci/S(G)CLi) = 0,3152 - 0,4728

## 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.

The doctor can contact The National Poisons Information Service: Dial 0344 892 0111 (24 h service).

Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an

According to EC-Regulation 2015/830

unconscious person water or other drink.

▼ **Inhalation**

Bring the person into fresh air and stay with him/her.

▼ **Skin contact**

Immediately remove contaminated clothing and shoes. Ensure that skin, which has been exposed to the material, is washed thoroughly with soap and water. Skin cleanser can be used. DO NOT use solvents or thinners.

▼ **Eye contact**

Remove contact lenses and open eyes widely. Flush eyes with water or saline water (20-30 °C) for at least 15 minutes. Seek medical assistance and continue flushing during transport.

▼ **Ingestion**

Provide plenty of water for the person to drink and stay with him/her. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the victim lean forward with head down to avoid inhalation of- or choking on vomited material.

**Burns**

Not applicable

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

This product contains substances that may trigger an allergic reaction to predisposed persons.

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

Nothing 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. Waterjets 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, e.g. in the event of fire, dangerous catabolic substances are produced. These are: Carbon oxides. Fire will result in dense black smoke. Exposure to combustion products may harm your health. Fire fighters should wear appropriate protection equipment. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

▼ **5.3. Advice for firefighters**

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

## SECTION 6: Accidental release measures

**6.1. Personal precautions, protective equipment and emergency procedures**

No specific requirements.

**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. To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.

▼ **6.4. Reference to other sections**

See section on "Disposal considerations" in regard of 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.

▼ **7.2. Conditions for safe storage, including any incompatibilities**

According to EC-Regulation 2015/830

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

▼ **Storage temperature**

> 5 °C

▼ **7.3. Specific end use(s)**

This product should only be used for applications quoted in section 1.2.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

▼ **OEL**

2-Dimethylaminoethanol

Long-term exposure limit (8-hour TWA reference period): 2 ppm | 7,4 mg/m<sup>3</sup>

Short-term exposure limit (15-minute reference period): 6 ppm | 22 mg/m<sup>3</sup>

2-(2-Butoxyethoxy)ethanol

Long-term exposure limit (8-hour TWA reference period): 10 ppm | 67,5 mg/m<sup>3</sup>

Short-term exposure limit (15-minute reference period): 15 ppm | 101,2 mg/m<sup>3</sup>

▼ **DNEL / PNEC**

DNEL (5-Chloro-2-methyl-2H-isothiazol-3-one/2-Methyl-2H-isothiazol-3-one (3:1) (CMIT/MIT (3:1))): 20 µg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Long term – Local effects - Workers

DNEL (5-Chloro-2-methyl-2H-isothiazol-3-one/2-Methyl-2H-isothiazol-3-one (3:1) (CMIT/MIT (3:1))): 40 µg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Short term – Local effects - Workers

DNEL (5-Chloro-2-methyl-2H-isothiazol-3-one/2-Methyl-2H-isothiazol-3-one (3:1) (CMIT/MIT (3:1))): 20 µg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Long term – Local effects - General population

DNEL (5-Chloro-2-methyl-2H-isothiazol-3-one/2-Methyl-2H-isothiazol-3-one (3:1) (CMIT/MIT (3:1))): 40 µg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Short term – Local effects - General population

DNEL (5-Chloro-2-methyl-2H-isothiazol-3-one/2-Methyl-2H-isothiazol-3-one (3:1) (CMIT/MIT (3:1))): 90 µg/kg bw/day

Exposure: Oral

Duration of Exposure: Long term – Systemic effects - General population

DNEL (5-Chloro-2-methyl-2H-isothiazol-3-one/2-Methyl-2H-isothiazol-3-one (3:1) (CMIT/MIT (3:1))): 110 µg/kg bw/day

Exposure: Oral

Duration of Exposure: Short term – Systemic effects - General population

DNEL (2-(2-Butoxyethoxy)ethanol): 67,5 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (2-(2-Butoxyethoxy)ethanol): 67,5 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Long term – Local effects - Workers

DNEL (2-(2-Butoxyethoxy)ethanol): 101,2 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Short term – Local effects - Workers

DNEL (2-(2-Butoxyethoxy)ethanol): 83 mg/kg bw/day

Exposure: Dermal

Duration of Exposure: Long term – Local effects - Workers

DNEL (2-(2-Butoxyethoxy)ethanol): 40,5 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - General population

DNEL (2-(2-Butoxyethoxy)ethanol): 40,5 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Long term – Local effects - General population

DNEL (2-(2-Butoxyethoxy)ethanol): 60,7 mg/m<sup>3</sup>

Exposure: Inhalation

Duration of Exposure: Short term – Local effects - General population

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DNEL (2-(2-Butoxyethoxy)ethanol): 50 mg/kg bw/day  
Exposure: Dermal  
Duration of Exposure: Long term – Systemic effects - General population

DNEL (2-(2-Butoxyethoxy)ethanol): 5 mg/kg bw/day  
Exposure: Oral  
Duration of Exposure: Long term – Systemic effects - General population

DNEL (1,2-Benzisothiazol-3(2H)-one (BIT)): 6,81 mg/m<sup>3</sup>  
Exposure: Inhalation  
Duration of Exposure: Long term – Systemic effects - Workers

DNEL (1,2-Benzisothiazol-3(2H)-one (BIT)): 0,966 mg/kg bw/day  
Exposure: Dermal  
Duration of Exposure: Long term – Systemic effects - Workers

DNEL (1,2-Benzisothiazol-3(2H)-one (BIT)): 1,2 mg/m<sup>3</sup>  
Exposure: Inhalation  
Duration of Exposure: Long term – Systemic effects - General population

DNEL (1,2-Benzisothiazol-3(2H)-one (BIT)): 0,345 mg/kg bw/day  
Exposure: Dermal  
Duration of Exposure: Long term – Systemic effects - General population

DNEL (2-Dimethylaminoethanol): 7,4 mg/m<sup>3</sup>  
Exposure: Inhalation  
Duration of Exposure: Long term – Systemic effects - Workers

DNEL (2-Dimethylaminoethanol): 22 mg/m<sup>3</sup>  
Exposure: Inhalation  
Duration of Exposure: Short term – Systemic effects - Workers

DNEL (2-Dimethylaminoethanol): 1,04 mg/kg bw/day  
Exposure: Dermal  
Duration of Exposure: Long term – Systemic effects - Workers

DNEL (2-Dimethylaminoethanol): 5 mg/kg bw/day  
Exposure: Dermal  
Duration of Exposure: Short term – Systemic effects - Workers

DNEL (2-Dimethylaminoethanol): 80 µg/cm<sup>2</sup>  
Exposure: Dermal  
Duration of Exposure: Short term – Local effects - Workers  
Remarks: sensitisation (skin)

PNEC (5-Chloro-2-methyl-2H-isothiazol-3-one/2-Methyl-2H-isothiazol-3-one (3:1) (CMIT/MIT (3:1))): 3,39 µg/l  
Exposure: Freshwater

PNEC (5-Chloro-2-methyl-2H-isothiazol-3-one/2-Methyl-2H-isothiazol-3-one (3:1) (CMIT/MIT (3:1))): 3,39 µg/l  
Exposure: Intermittent release  
Remarks: (freshwater)

PNEC (5-Chloro-2-methyl-2H-isothiazol-3-one/2-Methyl-2H-isothiazol-3-one (3:1) (CMIT/MIT (3:1))): 3,39 µg/l  
Exposure: Marine water

PNEC (5-Chloro-2-methyl-2H-isothiazol-3-one/2-Methyl-2H-isothiazol-3-one (3:1) (CMIT/MIT (3:1))): 3,39 µg/l  
Exposure: Intermittent release  
Remarks: (marine water)

PNEC (5-Chloro-2-methyl-2H-isothiazol-3-one/2-Methyl-2H-isothiazol-3-one (3:1) (CMIT/MIT (3:1))): 230 µg/l  
Exposure: Sewage Treatment Plant

PNEC (5-Chloro-2-methyl-2H-isothiazol-3-one/2-Methyl-2H-isothiazol-3-one (3:1) (CMIT/MIT (3:1))): 27 µg/kg dw  
Exposure: Freshwater sediment

PNEC (5-Chloro-2-methyl-2H-isothiazol-3-one/2-Methyl-2H-isothiazol-3-one (3:1) (CMIT/MIT (3:1))): 27 µg/kg dw  
Exposure: Marine water sediment

PNEC (5-Chloro-2-methyl-2H-isothiazol-3-one/2-Methyl-2H-isothiazol-3-one (3:1) (CMIT/MIT (3:1))): 10 µg/kg dw  
Exposure: Soil

PNEC (2-(2-Butoxyethoxy)ethanol): 1,1 mg/l

According to EC-Regulation 2015/830

Exposure: Freshwater

Duration of Exposure: Continuous

PNEC (2-(2-Butoxyethoxy)ethanol): 11 mg/l

Exposure: Intermittent release

Duration of Exposure: Continuous

Remarks: (freshwater)

PNEC (2-(2-Butoxyethoxy)ethanol): 0,11 mg/l

Exposure: Marine water

PNEC (2-(2-Butoxyethoxy)ethanol): 200 mg/l

Exposure: Sewage Treatment Plant

PNEC (2-(2-Butoxyethoxy)ethanol): 4,4 mg/kg dw

Exposure: Freshwater sediment

PNEC (2-(2-Butoxyethoxy)ethanol): 0,44 mg/kg dw

Exposure: Marine water sediment

PNEC (2-(2-Butoxyethoxy)ethanol): 0,32 mg/kg dw

Exposure: Soil

PNEC (1,2-Benzisothiazol-3(2H)-one (BIT)): 4,03 µg/l

Exposure: Freshwater

PNEC (1,2-Benzisothiazol-3(2H)-one (BIT)): 1,1 µg/l

Exposure: Intermittent release

Remarks: (freshwater)

PNEC (1,2-Benzisothiazol-3(2H)-one (BIT)): 0,403 µg/l

Exposure: Marine water

PNEC (1,2-Benzisothiazol-3(2H)-one (BIT)): 0,11 µg/l

Exposure: Intermittent release

Remarks: (marine water)

PNEC (1,2-Benzisothiazol-3(2H)-one (BIT)): 1,03 mg/l

Exposure: Sewage Treatment Plant

PNEC (1,2-Benzisothiazol-3(2H)-one (BIT)): 49,9 µg/kg dw

Exposure: Freshwater sediment

PNEC (1,2-Benzisothiazol-3(2H)-one (BIT)): 4,99 µg/kg dw

Exposure: Marine water sediment

PNEC (1,2-Benzisothiazol-3(2H)-one (BIT)): 3 mg/kg dw

Exposure: Soil

PNEC (2-Dimethylaminoethanol): 66,1 µg/l

Exposure: Freshwater

PNEC (2-Dimethylaminoethanol): 66,1 µg/l

Exposure: Intermittent release

PNEC (2-Dimethylaminoethanol): 6,61 µg/l

Exposure: Marine water

PNEC (2-Dimethylaminoethanol): 10 mg/l

Exposure: Sewage Treatment Plant

PNEC (2-Dimethylaminoethanol): 52,9 µg/kg dw

Exposure: Freshwater sediment

PNEC (2-Dimethylaminoethanol): 17,7 µg/kg dw

Exposure: Soil

## 8.2. Exposure controls

- ▼ Compliance with the accepted occupational exposure limits values should be controlled on a regular basis.

### General recommendations

- ▼ Smoking, eating and drinking are not allowed in the work premises.

### Exposure scenarios

In the event exposure scenarios are appended to the safety data sheet, the operational conditions and risk

According to EC-Regulation 2015/830

management measures in these shall be complied with.

▼ **Exposure limits**

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

▼ **Appropriate technical measures**

Airborne gas and dust concentrations must be kept at a minimum and below current limit values (see above). Installation of an exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure emergency eyewash and -showers are clearly marked.

▼ **Hygiene measures**

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

▼ **Measures to avoid environmental exposure**

No specific requirements.

**Individual protection measures, such as personal protective equipment**



**Generally**

Use only CE marked protective equipment.

▼ **Respiratory Equipment**

In case of insufficient ventilation: Use respiratory equipment with gas filter type A.  
In case of spray application: Use combination filter AP2.

▼ **Skin protection**

Wear appropriate protection clothing, e.g. coveralls in polypropylene or working clothes in cotton or polyester.

▼ **Hand protection**

Butyl rubber  
Polyvinyl alcohol (PVA)

▼ **Eye protection**

No specific requirements.

**SECTION 9: Physical and chemical properties**

▼ **9.1. Information on basic physical and chemical properties**

Form	Liquid
Colour	White
Odour	Faint
Odour threshold (ppm)	No data available
pH	8-9
Viscosity (40°C)	No data available
Density (g/cm <sup>3</sup> )	1,04

▼ **Phase changes**

Melting point (°C)	No data available
Boiling point (°C)	No data available
Vapour pressure	No data available
Decomposition temperature (°C)	No data available
Evaporation rate (n-butylacetate = 100)	No data available

▼ **Data on fire and explosion hazards**

Flash point (°C)	No data available
Ignition (°C)	No data available
Auto flammability (°C)	No data available
Explosion limits (% v/v)	No data available
Explosive properties	No data available

▼ **Solubility**

Solubility in water	Soluble
n-octanol/water coefficient	No data available

According to EC-Regulation 2015/830

▼ **9.2. Other information**  
Solubility in fat (g/L)

No data available

## 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 "Handling and storage".

▼ **10.3. Possibility of hazardous reactions**

Nothing special

▼ **10.4. Conditions to avoid**

Nothing special

▼ **10.5. Incompatible materials**

Strong acids, strong bases, strong oxidizing agents, and strong reducing 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: 5-Chloro-2-methyl-2H-isothiazol-3-one/2-Methyl-2H-isothiazol-3-one (3:1) (CMIT/MIT (3:1))

Species: Rat

Test: LD50

Route of exposure: Oral

Result: 66 mg/kg

Substance: 5-Chloro-2-methyl-2H-isothiazol-3-one/2-Methyl-2H-isothiazol-3-one (3:1) (CMIT/MIT (3:1))

Species: Rat

Test: LD50

Route of exposure: Dermal

Result: 141 mg/kg

Substance: 1,2-Benzisothiazol-3(2H)-one (BIT)

Species: Rat

Test: LD50

Route of exposure: Oral

Result: 490 mg/kg

Substance: 2-Dimethylaminoethanol

Species: Rat

Test: LD50

Route of exposure: Oral

Result: 1187 mg/kg

Substance: 2-Dimethylaminoethanol

Species: Rabbit

Test: LD50

Route of exposure: Dermal

Result: 1219 mg/kg

Substance: 2-Dimethylaminoethanol

Species: Rat

Test: LC50

Route of exposure: Inhalation

Result: 6 mg/l

▼ **Skin corrosion/irritation**

No data available

▼ **Serious eye damage/irritation**

No data available

▼ **Respiratory or skin sensitisation**

This product contains substances that may trigger an allergic reaction to predisposed persons.

▼ **Germ cell mutagenicity**



According to EC-Regulation 2015/830

- No data available
- ▼ **Carcinogenicity**  
No data available
- ▼ **Reproductive toxicity**  
No data available
- ▼ **STOT-single exposure**  
No data available
- ▼ **STOT-repeated exposure**  
No data available
- ▼ **Aspiration hazard**  
No data available
- ▼ **Long term effects**  
Nothing special

## SECTION 12: Ecological information

### ▼ 12.1. Toxicity

Substance: 1,2-Benzisothiazol-3(2H)-one (BIT)  
Species: Pseudokirchneriella subcapitata  
Test: ErC50  
Duration: 72 h  
Result: 0,11 mg/l

Substance: 1,2-Benzisothiazol-3(2H)-one (BIT)  
Species: Skeletonema costatum  
Test: NOEC  
Duration: 72 h  
Result: 0,027 mg/l

### ▼ 12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
5-Chloro-2-methyl-2H-isothiazolo...	Yes	CO2 Evolution Test	62 %
1,2-Benzisothiazol-3(2H)-one (...)	Yes	Modified MITI Test	> 70 %
2-Dimethylaminoethanol	Yes	Modified MITI Test	> 60 %
2-(2-Butoxyethoxy)ethanol	Yes	Modified MITI Test	95 %

### ▼ 12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BCF
5-Chloro-2-methyl-2H-isothiazolo...	No	0,75	No data available
1,2-Benzisothiazol-3(2H)-one (...)	No	0,64	6,62
2-Dimethylaminoethanol	No	-0,55	3,162
2-(2-Butoxyethoxy)ethanol	No	1	No data available

### ▼ 12.4. Mobility in soil

5-Chloro-2-methyl-2H-isothiazolo...: Log Koc= 0,672325, Calculated from LogPow (High mobility potential.).  
1,2-Benzisothiazol-3(2H)-one (...: Log Koc= 0,585216, Calculated from LogPow (High mobility potential.).  
2-Dimethylaminoethanol: Log Koc= -0,357145, Calculated from LogPow (High mobility potential.).  
2-(2-Butoxyethoxy)ethanol: Log Koc= 0,8703, Calculated from LogPow (High mobility potential.).

### ▼ 12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

### ▼ 12.6. Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.  
This product contains substances, which may cause adverse long-term effects to the aquatic environment.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product is not covered by regulations on dangerous waste.

#### ▼ Waste

EWC code

08 01 12

waste paint and varnish other than those mentioned in 08 01 11

#### ▼ Specific labelling

According to EC-Regulation 2015/830

Not applicable  
**Contaminated packing**  
No specific requirements.

## SECTION 14: Transport information

### 14.1 – 14.4

Not dangerous goods according to ADR, IATA and IMDG.

#### ▼ ADR/RID

14.1. UN number -  
14.2. UN proper shipping name -  
14.3. Transport hazard  
class(es) -  
14.4. Packing group -  
Notes -  
Tunnel restriction code -

#### ▼ IMDG

UN-no. -  
Proper Shipping Name -  
Class -  
PG\* -  
EmS -  
MP\*\* -  
Hazardous constituent -

#### ▼ IATA/ICAO

UN-no. -  
Proper Shipping Name -  
Class -  
PG\* -

### 14.5. Environmental hazards

-

### 14.6. Special precautions for user

-

### 14.7. Transport in bulk according to Annex II of Marpol 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

-

#### Demands for specific education

-

#### Additional information

Not applicable

#### Seveso

-

#### Biocidal reg. no.

Not applicable

#### Sources

Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.  
Regulation (EU) No 528/2012 of the European Parliament and of the Council of 22 May 2012 concerning

According to EC-Regulation 2015/830

the making available on the market and use of biocidal products.

Directive 2004/42/CE of the European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC.

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677. The Stationery Office, 2002.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (CLP).

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

## 15.2. Chemical safety assessment

No

## SECTION 16: Other information

### ▼ Full text of H-phrases as mentioned in section 3

H226 - Flammable liquid and vapour.

H301 - Toxic if swallowed.

H302 - Harmful if swallowed.

H310 - Fatal in contact with skin.

H312 - Harmful in contact with skin.

H314 - Causes severe skin burns and eye damage.

H315 - Causes skin irritation.

H317 - May cause an allergic skin reaction.

H318 - Causes serious eye damage.

H319 - Causes serious eye irritation.

H330 - Fatal if inhaled.

H331 - Toxic if inhaled.

H335 - May cause respiratory irritation.

H400 - Very toxic to aquatic life.

H410 - Very toxic to aquatic life with long lasting effects.

H411 - Toxic to aquatic life with long lasting effects.

EUH071 - Corrosive to the respiratory tract.

### The full text of identified uses as mentioned in section 1

-

### Additional label elements

Not applicable

### 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, see section 1)) is marked with a blue triangle.

### The safety data sheet is validated by

ULS

### Date of last essential change

#### (First cipher in SDS version)

2015-07-08(2.0)

### Date of last minor change

#### (Last cipher in SDS version)

2015-07-08