

SAFETY DATA SHEET

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

1.1. Product identifier

Trade name

20.xxx - Fabric Coat. Var. Col.

Product no.

20.xxx

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

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

HBC System Smarttool Production ApS
Hobrovej 961-963
9530 Støvring
Denmark
tel:+45 70 22 70 70

Contact person

Vibeke Jørgensen

E-mail

info@hbc-system.com

SDS date

2017-02-28

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

Aerosol 1; H222, H229
Skin Irrit. 2; H315
Eye Irrit. 2; H319
STOT SE 3; H336
Aquatic Chronic 3; H412
See full text of H-phrases in section 2.2.

2.2. Label elements

▼ **Hazard pictogram(s)**



▼ **Signal word**

Danger

▼ Hazard statement(s)

Extremely flammable aerosol. (H222)
 Pressurised container: May burst if heated. (H229)
 Causes skin irritation. (H315)
 Causes serious eye irritation. (H319)
 May cause drowsiness or dizziness. (H336)
 Harmful to aquatic life with long lasting effects. (H412)

▼ Safety statement(s)

General If medical advice is needed, have product container or label at hand. (P101).
 Keep out of reach of children. (P102).
Prevention Do not pierce or burn, even after use. (P251).
Response IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338).
Storage Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F. (P410+P412).
Disposal Dispose of contents/container to an approved waste disposal plant. (P501).

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

-

▼ 2.3. Other hazards

This product contains teratogenic substances, which may cause long-term adverse effects to the unborn foetus.
 This product contains substances that may cause adverse effects to the reproductive system.
 This product contains an organic solvent. Repeated or prolonged exposure to organic solvents may result in adverse effects to the nervous system and internal organs such as liver and kidneys.

▼ Additional labelling

-

▼ Additional warnings

-

VOC

VOC-MAX: 745 g/l, MAXIMUM VOC CONTENT (B/e): 840 g/l.

SECTION 3: Composition/information on ingredients

▼ 3.1/3.2. Substances/Mixtures

NAME:	acetone propan-2-one propanone
IDENTIFICATION NOS.:	CAS-no: 67-64-1 EC-no: 200-662-2 REACH-no: 01-2119471330-49 Index-no: 606-001-00-8
CONTENT:	15-25%
CLP CLASSIFICATION:	Flam. Liq. 2, STOT SE 3, Eye Irrit. 2 H225, H319, H336, EUH066
NOTE:	SL
NAME:	dimethyl ether
IDENTIFICATION NOS.:	CAS-no: 115-10-6 EC-no: 204-065-8 Index-no: 603-019-00-8
CONTENT:	15-25%
CLP CLASSIFICATION:	Comp. Gas, Flam. Gas 1 H220, H280
NOTE:	SL
NAME:	ethyl acetate
IDENTIFICATION NOS.:	CAS-no: 141-78-6 EC-no: 205-500-4 REACH-no: 01-2119475103-46 Index-no: 607-022-00-5
CONTENT:	15-25%
CLP CLASSIFICATION:	Flam. Liq. 2, STOT SE 3, Eye Irrit. 2 H225, H319, H336, EUH066
NOTE:	S
NAME:	xylene
IDENTIFICATION NOS.:	CAS-no: 1330-20-7 EC-no: 215-535-7 Index-no: 601-022-00-9
CONTENT:	15-25%
CLP CLASSIFICATION:	Flam. Liq. 3, Acute Tox. 4, Skin Irrit. 2 H226, H312, H315, H332
NOTE:	SL
NAME:	NJ TSRN: 8009285004 Polyester Plasticizer

According to EC-Regulation 2015/830

IDENTIFICATION NOS.:	-
CONTENT:	<1%
CLP CLASSIFICATION:	Skin Irrit. 2, Eye Irrit. 2 H315, H319
NAME:	toluene
IDENTIFICATION NOS.:	CAS-no: 108-88-3 EC-no: 203-625-9 Index-no: 601-021-00-3
CONTENT:	<1%
CLP CLASSIFICATION:	Flam. Liq. 2, STOT RE 2, STOT SE 3, Skin Irrit. 2, Asp. Tox. 1, Repr. 2 H225, H304, H315, H336, H361, H373
NOTE:	SL

(*) See full text of H-phrases in chapter 16. Occupational exposure limits are listed in section 8, if these are available.
S = Organic solvent L = European occupational exposure limit.

Other information

ATEmix(inhale, vapour) > 20
ATEmix(dermal) > 2000
Eye Cat. 2 Sum = Sum(Ci/S(G)CLi) = 3,0208 - 4,5312
Skin Cat. 2 Sum = Sum(Ci/S(G)CLi) = 1,38 - 2,07
N chronic (CAT 3) Sum = Sum(Ci/M(chronic))*25*0.1*10^CATi) = > 1 - 1,248

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 111, 24 h service). Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

▼ Inhalation

Bring the person into fresh air and stay with him.

▼ Skin contact

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. 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

Rinse with water until pain stops then continue to rinse for 30 minutes.

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

Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

▼ 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. 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**

Avoid inhalation of vapours from spilled material. Storages not yet ignited must be cooled by water mist. Remove flammable materials if conditions allow it. Ensure sufficient ventilation.

▼ **6.2. Environmental precautions**

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities. It is recommended to install waste collection trays in order to prevent emissions to the waste water system and surrounding environment.

▼ **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**

Smoking, storage of tobacco, consumption and storage of food or liquids are not allowed in the workrooms. It is recommended to install waste collection trays in order to prevent emissions to the waste water system and surrounding environment. See section on 'Exposure controls/personal protection' for information on personal protection.

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

Always store in containers of the same material as the original container. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Must be stored in a cool and well-ventilated area, away from possible sources of ignition.

Storage temperature

No data available.

▼ **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**

toluene (EH40/2005)

Long-term exposure limit (8-hour TWA reference period): 50 ppm | 191 mg/m³

Short-term exposure limit (15-minute reference period): 100 ppm | 384 mg/m³

Comments: Sk (Sk = Can be absorbed through skin.)

xylene (EH40/2005)

Long-term exposure limit (8-hour TWA reference period): 50 ppm | 220 mg/m³

Short-term exposure limit (15-minute reference period): 100 ppm | 441 mg/m³

Comments: Sk BMGV (Bmgv = Biological Monitoring Guidance Value. Sk = Can be absorbed through skin.)

ethyl acetate (EH40/2005)

Long-term exposure limit (8-hour TWA reference period): 200 ppm | - mg/m³

Short-term exposure limit (15-minute reference period): 400 ppm | - mg/m³

dimethyl ether (EH40/2005)

According to EC-Regulation 2015/830

Long-term exposure limit (8-hour TWA reference period): 400 ppm | 766 mg/m³
 Short-term exposure limit (15-minute reference period): 500 ppm | 958 mg/m³

acetone propan-2-one propanone (EH40/2005)

Long-term exposure limit (8-hour TWA reference period): 500 ppm | 1210 mg/m³
 Short-term exposure limit (15-minute reference period): 1500 ppm | 3620 mg/m³

▼ DNEL / PNEC

DNEL (acetone propan-2-one propanone): 186 mg/kg
 Exposure: Dermal
 Duration of Exposure: Long term – Systemic effects - Workers
 DNEL (acetone propan-2-one propanone): 62 mg/kg
 Exposure: Dermal
 Duration of Exposure: Long term – Systemic effects - General population
 DNEL (acetone propan-2-one propanone): 2420 mg/m³
 Exposure: Inhalation
 Duration of Exposure: Short term – Systemic effects - Workers
 DNEL (acetone propan-2-one propanone): 1210 mg/m³
 Exposure: Inhalation
 Duration of Exposure: Long term – Systemic effects - Workers
 DNEL (acetone propan-2-one propanone): 200 mg/m³
 Exposure: Inhalation
 Duration of Exposure: Long term – Systemic effects - General population
 DNEL (acetone propan-2-one propanone): 62 mg/kg
 Exposure: Oral
 Duration of Exposure: Long term – Systemic effects - General population
 DNEL (toluene): 384 mg/m³
 Exposure: Inhalation
 Duration of Exposure: Short term – Local effects - Workers
 DNEL (toluene): 384 mg/m³
 Exposure: Inhalation
 Duration of Exposure: Short term – Systemic effects - Workers
 DNEL (toluene): 192 mg/m³
 Exposure: Inhalation
 Duration of Exposure: Long term – Local effects - Workers
 DNEL (toluene): 384 mg/kg bw/day
 Exposure: Dermal
 Duration of Exposure: Long term – Systemic effects - Workers
 DNEL (toluene): 226 mg/m³
 Exposure: Inhalation
 Duration of Exposure: Short term – Local effects - Workers
 DNEL (toluene): 226 mg/m³
 Exposure: Inhalation
 Duration of Exposure: Short term – Systemic effects - Workers
 DNEL (toluene): 56,5 mg/m³
 Exposure: Inhalation
 Duration of Exposure: Long term – Systemic effects - General population
 DNEL (toluene): 226 mg/kg bw/day
 Exposure: Dermal
 Duration of Exposure: Long term – Systemic effects - General population
 DNEL (toluene): 8,13 mg/kg bw/day
 Exposure: Oral
 Duration of Exposure: Long term – Systemic effects - General population

DNEL (ethyl acetate): 734 mg/m³
 Exposure: Inhalation
 Duration of Exposure: Short term – Systemic effects - General population
 DNEL (ethyl acetate): 1468 mg/m³
 Exposure: Inhalation
 Duration of Exposure: Short term – Systemic effects - Workers
 DNEL (ethyl acetate): 4,5 mg/kg
 Exposure: Oral
 Duration of Exposure: Long term – Systemic effects - General population
 DNEL (ethyl acetate): 734 mg/m³
 Exposure: Inhalation
 Duration of Exposure: Long term – Local effects - Workers
 DNEL (ethyl acetate): 367 mg/m³
 Exposure: Inhalation
 Duration of Exposure: Long term – Local effects - General population
 DNEL (ethyl acetate): 1468 mg/m³
 Exposure: Inhalation
 Duration of Exposure: Short term – Local effects - Workers
 DNEL (ethyl acetate): 734 mg/m³
 Exposure: Inhalation
 Duration of Exposure: Short term – Local effects - General population
 DNEL (ethyl acetate): 63 mg/kg
 Exposure: Dermal

According to EC-Regulation 2015/830

Duration of Exposure: Long term – Systemic effects - Workers
DNEL (ethyl acetate): 37 mg/kg
Exposure: Dermal
Duration of Exposure: Long term – Systemic effects - General population
DNEL (ethyl acetate): 734 mg/m³
Exposure: Inhalation
Duration of Exposure: Long term – Systemic effects - Workers
DNEL (ethyl acetate): 367 mg/m³
Exposure: Inhalation
Duration of Exposure: Long term – Systemic effects - General population

DNEL (xylene): 77mg/m³
Exposure: Inhalation
Duration of Exposure: Long term – Systemic effects
Remarks: workers
DNEL (xylene): 389mg/m³
Exposure: Inhalation
Duration of Exposure: Short term – Local effects
Remarks: workers- irritation
DNEL (xylene): 180 mg/kg bw/day
Exposure: Dermal
Duration of Exposure: Long term – Systemic effects
Remarks: workers
PNEC (acetone propan-2-one propanone): 21 mg/L
Exposure: Intermittent release
PNEC (acetone propan-2-one propanone): 30,4 mg/kg
Exposure: Freshwater sediment
PNEC (acetone propan-2-one propanone): 3,04 mg/kg
Exposure: Marine water sediment
PNEC (acetone propan-2-one propanone): 33,3 mg/kg
Exposure: Soil
PNEC (acetone propan-2-one propanone): 10,6 mg/kg
Exposure: Freshwater
PNEC (acetone propan-2-one propanone): 1,06 mg/kg
Exposure: Marine water
PNEC (toluene): 0,68 mg/L
Exposure: Freshwater
PNEC (toluene): 0,68 mg/L
Exposure: Marine water
PNEC (toluene): 16,39 mg/L
Exposure: Freshwater sediment
PNEC (toluene): 2,89 mg/kg
Exposure: Soil
PNEC (toluene): 13,61 mg/L
Exposure: Sewage Treatment Plant
PNEC (ethyl acetate): 0,26 mg/L
Exposure: Freshwater
PNEC (ethyl acetate): 0,026 mg/L
Exposure: Marine water
PNEC (ethyl acetate): 1,65 mg/L
Exposure: Intermittent release
PNEC (ethyl acetate): 1,25 mg/kg
Exposure: Freshwater sediment
PNEC (ethyl acetate): 0,125 mg/kg
Exposure: Marine water sediment
PNEC (ethyl acetate): 0,24 mg/kg
Exposure: Soil
PNEC (xylene): 0,327 mg/L
Exposure: Freshwater
Remarks: registration data

8.2. Exposure controls

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

General recommendations

- ▼ Observe general occupational hygiene standards.

Exposure scenarios

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

If ventilation at the work place is insufficient, use a half- or whole mask with an appropriate filter or an air-supplied breathing apparatus depending on the concrete work situation and how long you will be using the product.

▼ **Skin protection**

Wear appropriate protection clothing, e.g. coveralls in polypropylene approved type 6 and Category III.

▼ **Hand protection**

Wear protective gloves. The specific work situation is unknown. Contact the suppliers of the gloves for further advice regarding the appropriate 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**

Wear safety glasses with side shields.

SECTION 9: Physical and chemical properties

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

Form	Liquid
Colour	Various colors
Odour	Characteristic
pH	No data available.
Viscosity (40°C)	No data available.
Density (g/cm ³)	No data available.

▼ **Phase changes**

Melting point (°C)	No data available.
Boiling point (°C)	No data available.
Vapour pressure	No data available.

▼ **Data on fire and explosion hazards**

Flashpoint (°C)	No data available.
Ignition (°C)	No data available.
Self-ignition (°C)	No data available.
Explosion limits (Vol %)	No data available.

▼ **Solubility**

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

▼ **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

No special

▼ 10.4. Conditions to avoid

Avoid static electricity. Do not expose to any forms of heat (e.g. solar radiation). May lead to excess pressure.

▼ 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	Species	Test	Route of exposure	Result
toluene	Rat	LD50	Oral	636 mg/kg
toluene	Rabbit	LD50	Dermal	> 5000 mg/kg
toluene	Rat	LC50	Inhalation	28,1 mg/L/4H
xylene	Rabbit	LD50	Skin	12.126
xylene	Rat	LD50	Oral	3.523
xylene	Rat	LC50	Inhalation	4 h - 5000
ethyl acetate	Rabbit	LD50	Oral	4935 mg/kg
ethyl acetate	Rat	LD50	Oral	11,3 g/kg
ethyl acetate	Guinea pig	LD50	Intraperitoneal	709 mg/kg
ethyl acetate	Rat	LC50	Inhalation	1600 mg/L
dimethyl ether	Rabbit	LC50	Inhalation	308 g/m ³
acetone propan-2-one	Rabbit	LD50	Skin	> 20 ml/kg
propan...	Rat	LD50	Intravenous	5500 mg/kg
acetone propan-2-one	Rat	LD50	Oral	5800 mg/kg
propan...	Rat	LC50	Inhalation	21,09 ppm/8H
acetone propan-2-one				
propan...				
acetone propan-2-one				
propan...				

▼ Skin corrosion/irritation

Causes skin irritation.

Data on substance: xylene

Test:

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

No data available.

Germ cell mutagenicity

No data available.

Carcinogenicity

No data available.

▼ Reproductive toxicity

No data available.

STOT-single exposure

May cause drowsiness or dizziness.

▼ STOT-repeated exposure

No data available.

Aspiration hazard

No data available.

▼ Long term effects

Reproductive toxicity: This product contains teratogenic substances, which may produce anomalies and/or developmental defects to the human offspring. Adverse effects include: death, growth retardation, congenital disorders, delayed mental development, and functional disorders.

Reproductive toxicity: This product contains reprotoxic substances, which may harm the reproductive capacity. Adverse effects include: sterility, effects on the sexual function, lowered effective fertility and dysfunctional menstrual cycle.

Neurotoxic effects: This product contains organic solvents, which may cause adverse effects to the nervous system. Symptoms of neurotoxicity include: loss of appetite, headache, dizziness, ringing in ears, tingling

sensations of skin, sensitivity to the cold, cramps, difficulty in concentrating, tiredness, etc. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer and may result in an increased absorption potential of other hazardous substances at the area of exposure.

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

SECTION 12: Ecological information

12.1. Toxicity

Substance	Species	Test	Duration	Result
toluene				
toluene	Daphnia	LC50	48h	3,8 mg/L
toluene	Fish	LC50	96h	5,5 mg/L
ethyl acetate	Algae	EC50	72 h	12,5 mg/L
ethyl acetate	Algae	EC50	48 H	330000 ug/L
ethyl acetate	Daphnia	LC50	48 H	560000 ug/L
acetone propan-2-one	Fish	LC50	96 H	425300 ug/L
propan...	Algae	EC50	120 H	14444 mg/L
acetone propan-2-one	Crustacean	LC50	48 H	7550 mg/L
propan...	Daphnia	EC50	48 H	13500 mg/L
acetone propan-2-one				
propan...				

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
acetone propan-2-one	Yes	No data available	No data available
propan...			

12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BCF
toluene	Yes	2,73	No data available
xylene	Yes	No data available	No data available
dimethyl ether	No	0,1	No data available
acetone propan-2-one	No	-0,24	No data available
propan...			

12.4. Mobility in soil

toluene : Log Koc= 2,240287, Calculated from LogPow (Moderate mobility potential.).

dimethyl ether : Log Koc= 0,15759, Calculated from LogPow (High mobility potential.).

acetone propan-2-one propan...: Log Koc= -0,111656, Calculated from LogPow (High mobility potential.).

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other adverse effects

This product contains substances with the potential of bioaccumulation resulting in the risk of accumulation in the food chain. Bioaccumulative substances are concentrated in adipose tissue and are not easily secreted.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste.

Waste

EWC code

-

Specific labelling

-

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: Transport information

14.1 – 14.4

This product is within scope of the regulations of transport of dangerous goods.

ADR/RID

According to EC-Regulation 2015/830

14.1. UN number	1950
14.2. UN proper shipping name	AEROSOLS, flammable
14.3. Transport hazard class(es)	2,1
14.4. Packing group	II
Notes	-
Tunnel restriction code	D

▼ IMDG

UN-no.	1950
Proper Shipping Name	AEROSOLS, flammable
Class	2,1
PG*	II
EmS	F-D, S-U
MP**	No
Hazardous constituent	-

▼ IATA/ICAO

UN-no.	1950
Proper Shipping Name	AEROSOLS, flammable
Class	2,1
PG*	II

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

People under the age of 18 shall not be exposed to this product cf. Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

Demands for specific education

-

Additional information

-

Sources

COUNCIL DIRECTIVE 92/85/EEC on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding.

Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

Council Directive 75/324/EEC of 20 May 1975 on the approximation of the laws of the Member States relating to aerosol dispensers.

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, amending and

repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (CLP).
EC regulation 1907/2006 (REACH).

15.2. Chemical safety assessment

No

SECTION 16: Other information

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

H220 - Extremely flammable gas.
H225 - Highly flammable liquid and vapour.
H226 - Flammable liquid and vapour.
H280 - Contains gas under pressure; may explode if heated.
H304 - May be fatal if swallowed and enters airways.
H312 - Harmful in contact with skin.
H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H332 - Harmful if inhaled.
H336 - May cause drowsiness or dizziness.
H361 - Suspected of damaging fertility or the unborn child.
H373 - May cause damage to organs through prolonged or repeated exposure^a.
EUH066 - Repeated exposure may cause skin dryness or cracking.

The full text of identified uses as mentioned in section 1

-

Other symbols mentioned in section 2



Other

In accordance with Regulation (EC) No. 1272/2008 (CLP) the evaluation of the classification of the mixture is based on:

The classification of the mixture in regard of physical hazards has been based on experimental data.
The classification of the mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP)

The classification of the mixture in regard of environmental hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) 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

kbb

Date of last essential change (First cipher in SDS version)

2016-06-20

Date of last minor change (Last cipher in SDS version)

2016-06-20