

SAFETY DATA SHEET

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

1.1. Product identifier

Trade name

Isabella Impregnation Ltr.

Product no.

-

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

Leather tanning, dye, finishing, impregnation and care products (PC23)

Textile dyes, finishing and impregnating products (PC34)

Transfer of substance or preparation into small containers (dedicated filling line, including weighing) (PROC 9)

Formulation [mixing] of preparations and/or re-packaging (excluding alloys) (SU 10)

Consumer uses: Private households (= general public = consumers) (SU 21)

Professional uses: Public domain (administration, education, entertainment, services, craftsmen) (SU 22)

Formulation of preparations (ERC2)

Fabrics, textiles and apparel (AC5)

Leather articles (AC6)

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

Isabella A/S

Isabellahøj 3

DK-7100 Vejle

Tlf.: +45 75820755

Contact person

Marcin Daniel Dziadek

E-mail

mdd@isabella.net

SDS date

2019-01-15

SDS Version

5.0

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

Flam. Liq. 2; H225

Asp. Tox. 1; H304

Eye Irrit. 2; H319

STOT SE 3; H336

See full text of H-phrases in section 2.2.

2.2. Label elements

Hazard pictogram(s)



Signal word

Danger

Hazard statement(s)

Highly flammable liquid and vapour. (H225)
May be fatal if swallowed and enters airways. (H304)
Causes serious eye irritation. (H319)
May cause drowsiness or dizziness. (H336)

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 Wear eye protection. (P280).
Response IF SWALLOWED: Immediately call a POISON CENTER/doctor. (P301+P310).
Storage Store locked up. (P405).
Disposal Dispose of contents/container to an approved waste disposal plant. (P501).

Identity of the substances primarily responsible for the major health hazards

Naphtha (petroleum), hydrotreated heavy (0,1<benzen), propan-2-ol, naphtha (råolie), hydroafsvovlet tung

2.3. Other hazards

This product contains substances that can cause chemical pneumonia if inhaled. The symptoms of chemical pneumonia may appear after several hours.
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

Repeated exposure may cause skin dryness or cracking. (EUH066)

Additional warnings

If this product is sold in retail, it must be delivered with child-resistant fastening.

VOC

Not applicable

SECTION 3: Composition/information on ingredients

3.1/3.2. Substances/Mixtures

NAME:	Naphtha (petroleum), hydrotreated heavy (0,1<benzen)
IDENTIFICATION NOS.:	CAS-no: 64742-48-9 EC-no: 265-150-3
CONTENT:	40-60%
CLP CLASSIFICATION:	Flam. Liq. 3, STOT SE 3, Asp. Tox. 1 H226, H304, H336, EUH066
NAME:	ethanol
IDENTIFICATION NOS.:	CAS-no: 64-17-5 EC-no: 200-578-6 Index-no: 603-002-00-5
CONTENT:	25-40%
CLP CLASSIFICATION:	Flam. Liq. 2, Eye Irrit. 2 H225, H319
NOTE:	S
NAME:	propan-2-ol
IDENTIFICATION NOS.:	CAS-no: 67-63-0 EC-no: 200-661-7 Index-no: 603-117-00-0
CONTENT:	10 - <15%
CLP CLASSIFICATION:	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3 H225, H319, H336
NOTE:	S
NAME:	naphtha (råolie), hydroafsvovlet tung
IDENTIFICATION NOS.:	CAS-no: 64742-82-1 EC-no: 265-185-4 Index-no: 649-330-00-2
CONTENT:	1 - <2.5%
CLP CLASSIFICATION:	Flam. Liq. 3, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2 H226, H304, H336, H411

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

S = Organic solvent

Other information

ATEmix(inhale, vapour) > 20
ATEmix(dermal) > 2000
Eye Cat. 2 Sum = Sum(Ci/S(G)CLi) = 3,8416 - 5,7624
N chronic (CAT 4) Sum = Sum(Ci/(M(chronic)*25)*0.1*10^CAT4) = 0,0384 - 0,0576

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/her.

Skin contact

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with soap and water. Skin cleanser can be used. DO NOT use solvents or thinners.

Eye contact

Remove contact lenses. Flush eyes immediately with plenty of water or isotonic water (20-30°C) for at least 15 minutes and continue until irritation stops. Make sure to flush under the upper and lower eyelids. If irritation continues, contact a doctor. Continue flushing during transport.

Ingestion

Do not induce vomiting! If vomiting occurs, keep head facing down to prevent vomit entering the lungs. Call a doctor or ambulance. Symptoms of chemical pneumonia can appear after several hours. People who have swallowed the product should be kept under medical attention for a minimum of 48 hours.

Burns

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

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

This product contains substances that can cause chemical pneumonia if inhaled. The symptoms of chemical pneumonia may appear after several hours.

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

IF exposed or concerned: Get immediate medical advice/attention.

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. Avoid direct contact with spilled substances. Storages not yet ignited must be cooled by water mist. Remove flammable materials if conditions allow it. Ensure sufficient ventilation.

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

Avoid static electricity. Protect electrical equipment in accordance with current standards. To divert static electricity during transmission, containers must be grounded and connected by wire with the receiving containers. Do not use spark-forming tools.

Smoking, storage of tobacco, consumption and storage of food or liquids are not allowed in the workrooms. See section on 'Exposure controls/personal protection' for information on personal protection. Avoid direct contact with the product.

7.2. Conditions for safe storage, including any incompatibilities

Always store in containers of the same material as the original 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

propan-2-ol

Long-term exposure limit (8-hour TWA reference period): 400 ppm | 999 mg/m³

Short-term exposure limit (15-minute reference period): 500 ppm | 1250 mg/m³

ethanol

Long-term exposure limit (8-hour TWA reference period): 1000 ppm | 1920 mg/m³

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

▼ DNEL / PNEC

DNEL (Naphtha (petroleum), hydrotreated heavy (0,1<benzen)): 300 mg/kg bw/day

Exposure: Dermal

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (Naphtha (petroleum), hydrotreated heavy (0,1<benzen)): 1500 mg/m³

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - Workers

DNEL (Naphtha (petroleum), hydrotreated heavy (0,1<benzen)): 300 mg/kg bw/day

Exposure: Dermal

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

DNEL (Naphtha (petroleum), hydrotreated heavy (0,1<benzen)): 900 mg/m³

Exposure: Inhalation

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

DNEL (Naphtha (petroleum), hydrotreated heavy (0,1<benzen)): 300mg/kg bw/day

Exposure: Oral

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

DNEL (ethanol): 950 mg/m³

Exposure: Inhalation

Duration of Exposure: Long term – Systemic effects - Workers

According to EC-Regulation 2015/830

DNEL (ethanol): 1900 mg/m³
Exposure: Inhalation
Duration of Exposure: Short term – Local effects - Workers

DNEL (ethanol): 343 mg/kg legemsvægt pr. dag
Exposure: Dermal
Duration of Exposure: Long term – Systemic effects - Workers

DNEL (ethanol): 114 mg/m³
Exposure: Inhalation
Duration of Exposure: Long term – Systemic effects - General population

DNEL (ethanol): 950 mg/m³
Exposure: Inhalation
Duration of Exposure: Short term – Local effects - General population

DNEL (ethanol): 206 mg/kg legemsvægt pr. dag
Exposure: Dermal
Duration of Exposure: Long term – Systemic effects - General population

DNEL (ethanol): 87 mg/kg legemsvægt pr. dag
Exposure: Oral
Duration of Exposure: Long term – Systemic effects - General population

DNEL (propan-2-ol): 888 mg/kg bw/dag
Exposure: Dermal
Duration of Exposure: Long term – Systemic effects - Workers

DNEL (propan-2-ol): 500 mg/m³
Exposure: Inhalation
Duration of Exposure: Long term – Systemic effects - Workers

DNEL (propan-2-ol): 319mg/kg bw/dag
Exposure: Dermal
Duration of Exposure: Long term – Systemic effects - General population

DNEL (propan-2-ol): 89mg/m³
Exposure: Inhalation
Duration of Exposure: Long term – Systemic effects - General population

DNEL (propan-2-ol): 26mg/kg bw/dag
Exposure: Oral
Duration of Exposure: Long term – Systemic effects - General population

PNEC (ethanol): 0,96 mg/l
Exposure: Freshwater

PNEC (ethanol): 0,79 mg/l
Exposure: Marine water

PNEC (ethanol): 2,75 mg/l
Exposure: Intermittent release

PNEC (ethanol): 580 mg/l
Exposure: Sewage Treatment Plant

PNEC (ethanol): 3,6 mg/kg
Exposure: Freshwater sediment

PNEC (ethanol): 2,9 mg/kg
Exposure: Marine water sediment

PNEC (ethanol): 0,63 mg/kg
Exposure: Soil

PNEC (propan-2-ol): 552mg/kg
Exposure: Marine water sediment

PNEC (propan-2-ol): 140,9 mg/l
Exposure: Freshwater

PNEC (propan-2-ol): 28 mg/kg
Exposure: Soil

PNEC (propan-2-ol): 140,9 mg/l
Exposure: Marine water

PNEC (propan-2-ol): 140,9 mg/l
Exposure: Intermittent release

PNEC (propan-2-ol): 251 mg/l
Exposure: Sewage Treatment Plant

PNEC (propan-2-ol): 552 mg/kg
Exposure: Freshwater sediment

8.2. Exposure controls

Compliance with the accepted 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

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

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 full mask with an appropriate filter or an air-supplied breathing apparatus depending on the specific 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

Recommended: Nitrile rubber

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	Clear
Odour	Alcohol odor
Odour threshold (ppm)	No data available.
pH	No data available.
Viscosity (40°C)	No data available.
Density (g/cm ³)	0,85

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)	17
Ignition (°C)	No data available.

Auto flammability (°C)
Explosion limits (% v/v)
Explosive properties

No data available.
No data available.
No data available.

Solubility

Solubility in water
n-octanol/water coefficient

Insoluble
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

Nothing 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: propan-2-ol
Species: Rabbit
Test: LD50
Route of exposure: Dermal
Result: >2000 mg/kg

Substance: propan-2-ol
Species: Rat
Test: LD50
Route of exposure: Oral
Result: 5840 mg/kg

Substance: propan-2-ol
Species: Rat
Test: LC50
Route of exposure: Inhalation
Result: 47,5mg/l 8 h

Substance: propan-2-ol
Species: Rat
Test: LC50
Route of exposure: Inhalation
Result: 66,1mg/l 4 h

Substance: ethanol
Species: Rabbit
Test: LD50
Route of exposure: Dermal
Result: >17100 mg/kg

Substance: ethanol
Species: Rat
Test: LD50
Route of exposure: Oral
Result: 10470 mg/kg

Substance: ethanol
Species: Rat
Test: LC50
Route of exposure: Inhalation

Result: 124,7 mg/l

Substance: Naphtha (petroleum), hydrotreated heavy (0,1<benzen)
Species: Rat
Test: LD50
Route of exposure: Dermal
Result: >5000mg/kg

Substance: Naphtha (petroleum), hydrotreated heavy (0,1<benzen)
Species: Rat
Test: LD50
Route of exposure: Oral
Result: >5000mg/kg

Substance: Naphtha (petroleum), hydrotreated heavy (0,1<benzen)
Species: Rat
Test: LC50
Route of exposure: Inhalation
Result: >5mg/L

Skin corrosion/irritation

No data available.

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

May be fatal if swallowed and enters airways.

Long term effects

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: propan-2-ol
Species: Algae
Test: NOEC
Duration: 8d
Result: >1800 mg/l

Substance: propan-2-ol
Species: Fish
Test: LC50
Duration: 96 h
Result: 8970-9280 mg/l

Substance: propan-2-ol
Species: Daphnia
Test: EC50
Duration: 24 h
Result: 9714 mg/l

Substance: propan-2-ol
Species: Crustacean
Test: EC10

Duration: 18 h
Result: 5175 mg/l

Substance: propan-2-ol
Species: Crustacean
Test: EC50
Duration:
Result: >1000mg/l

Substance: ethanol
Species: Fish
Test: LC50
Duration: 48 h
Result: 8150 mg/l

Substance: ethanol
Species: Fish
Test: LC50
Duration: 96h
Result: 1100 mg/l

Substance: ethanol
Species: Daphnia
Test: EC50
Duration: 48 h
Result: 9268-14221 mg/l

Substance: ethanol
Species: Algae
Test: EC0
Duration: 168 h
Result: 5000 mg/l

Substance: ethanol
Species: Crustacean
Test: EC0
Duration: 16 h
Result: 6500 mg/l

Substance: Naphtha (petroleum), hydrotreated heavy (0,1<benzen)
Species: Daphnia
Test: EC50
Duration: 48 h
Result: 1000mg/L

Substance: Naphtha (petroleum), hydrotreated heavy (0,1<benzen)
Species: Fish
Test: LC50
Duration: 96 h
Result: >1000 mg/l

Substance: Naphtha (petroleum), hydrotreated heavy (0,1<benzen)
Species: Algae
Test: EC50
Duration:
Result: >1000mg/l

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
propan-2-ol	Yes	Modified OECD Screening Test	95%
ethanol	Yes	No data available	No data available
Naphtha (petroleum), hydrotrea...	Yes	No data available	No data available

12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BCF
propan-2-ol	No	No data available	No data available
ethanol	No	No data available	No data available

12.4. Mobility in soil

No data available

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 due to poor biodegradability, may cause adverse long-term effects to the aquatic environment,

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product is covered by the regulations on hazardous waste.

Waste

EWC code
13.07.03

Specific labelling

-

Contaminated packing

Contaminated packaging 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

14.1. UN number	3295
14.2. UN proper shipping name	-
14.3. Transport hazard class(es)	3
14.4. Packing group	II
Notes	-
Tunnel restriction code	-

▼ IMDG

UN-no.	3295
Proper Shipping Name	HYDROCARBONS, LIQUID, N.O.S.
Class	3
PG*	II
EmS	F-E, S-D
MP**	No
Hazardous constituent	-

IATA/ICAO

UN-no.	3295
Proper Shipping Name	HYDROCARBONS, LIQUID, N.O.S.
Class	3
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

If this product is sold in retail, it must be delivered with child-resistant fastening.

Seveso

Seveso III Part 1: P5c

Sources

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

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).

The Control of Major Accident Hazards (COMAH) Regulations 2015.

15.2. Chemical safety assessment

No

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3

H225 - Highly flammable liquid and vapour.

H226 - Flammable liquid and vapour.

H304 - May be fatal if swallowed and enters airways.

H319 - Causes serious eye irritation.

H336 - May cause drowsiness or dizziness.

H411 - Toxic to aquatic life with long lasting effects.

EUH066 - Repeated exposure may cause skin dryness or cracking.

The full text of identified uses as mentioned in section 1

PC23 = Leather tanning, dye, finishing, impregnation and care products

PC34 = Textile dyes, finishing and impregnating products

PROC 9 = Transfer of substance or preparation into small containers (dedicated filling line, including weighing)

SU 10 = Formulation [mixing] of preparations and/or re-packaging (excluding alloys)

SU 21 = Consumer uses: Private households (= general public = consumers)

SU 22 = Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

ERC2 = Formulation of preparations

AC5 = Fabrics, textiles and apparel

AC6 = Leather articles

Additional label elements

Not applicable

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)

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

KAO

Date of last essential change

(First cipher in SDS version)

2018-02-07(4.0)

Date of last minor change

(Last cipher in SDS version)

2018-02-07