

In accordance with directive 1907/2006/EC, 2015/830

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Version 2.0

Revision Date: 02-02-2021

Print Date: 3-8-2021

Trade name: PE 640 A

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

1.1 Product identification:

Product name: PE 640 A

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

Usage: Filled epoxy.

1.3 Details of the supplier of the safety data sheet

Responsible distributor: ASSYST bvba / A.S.O.W. bvba
Hellegatstraat 13a
2590 Berlaar
Belgium
Tel: +32 495 50 61 14 / +32 496 83 70 27
Website: www.assyst.org / www.artsuppliesonweb.com
Email: ao@assyst.org / vera.opsommer@assyst.org

1.4 Emergency telephone number:

For Belgium:

Call the **Poison Control Center (070 245 245 - free)**, if not available: **02 264 96 30** (normal rate) or your doctor. In life-threatening situations, always call the European emergency number **112**.

NHS 24 Direct

For help from a GP, visit your GP surgery's website, use an online service to contact your GP, or call the surgery. **For urgent medical help**, use the NHS 111 online service, or **call 111** if you are unable to get help online. **For life-threatening emergencies, call 999** for an ambulance. There is more information about getting medical help on the NHS website.

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture:

Classification according to Directive (EC) No 1272/2008 and its amendments.

The product is classified according to the applicable legislation.

Classification in accordance with Regulation (EC) No 1272/2008 as amended.

Health hazards

Warning, Skin Irrit. 2, Causes skin irritation.

Warning, Eye Irrit. 2, Causes serious eye irritation.

Warning, Skin Sens. 1, May cause allergic skin reaction.

Aquatic Chronic 2, Toxic to aquatic life with long lasting effects.

2.2 Label elements:

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



Hazard pictograms:

Signal word

Warning.

Hazardous ingredients which must be stated on the label

- ✓ reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight <= 700)

Indications of danger:

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H411 Toxic to aquatic life with long lasting effects.

Precautions

Prevention:

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P261 Avoid breathing dust / fumes / gas / vapour / spray.

P264 Wash tools thoroughly after use.

P273 Avoid release to the environment.

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

Action:

P333 + P313 In case of skin irritation or rash: consult a doctor.

P391 Clean up leaked/spilt material.

Special provisions:

EUH205 Contains epoxy compounds. May cause allergic reaction.

Special provisions according to Annex XVII of REACH and subsequent amendments:

Limited to professional users.

2.3 Other hazards:

vPvB-substances: None - PBT Substances None

Other hazards:

No other hazards

SECTION 3: Composition and information on ingredients

3.2 Mixtures:

Description:

Hazardous components within the meaning of the CLP regulation and related classification:

Chemical Name	Cas No. EC No/List Registration number Index no.	Layout (Regulation (EC) No 1272/008)	Concentration (%)
reaction product: bisphenol-A- (epichlorohydrin); epoxy resin (number average molecular weight <= 700)	25068-38-6 500-033-5 01-2119456619-26 603-074-00-8	Eye Irrit. 2 H319 Skin Irrit. 2 H315 Skin Sens. 1,1A, 1B H317 Aquatic Chronic 2 H411	>= 60% - < 80%
Formaldehyde, oligomeric reac. products with 1-chloro-2,3-epoxypropane, phenol	9003-36-5 500-006-8 01-2119454392-40	Skin Irrit. 2 H315 Skin Sens. 1,1A, 1B H317 Aquatic Chronic 2 H411	>= 5% - < 10%
1,6-hexandiglycidyl ether	16096-31-4 240-260-4 01-2119463471-41	Eye Irrit. 2 H319 Skin Irrit. 2 H315 Skin Sens. 1,1A, 1B H317 Aquatic Chronic 3 H412	>= 1% - < 5%
Hydrocarbons, polymers with phenol	68512-30-1 270-966-8 01-2119555274-38	Acute Tox. 4 H302	>= 1% - < 5%
xylene [4]	1330-20-7 215-535-7 01-2119488216-32 601-022-00-9	Flam. Liq. 3 H226 Aquatic Chronic 3 H412 Acute Tox. 4 H332 Acute Tox. 4 H312 Eye Irrit. 2 H319 STOT SE 3 H335 Skin Irrit. 2 H315 STOT RE 2 H373 Asp. Tox. 1 H304	>= 0.1% - < 0.25%
2-methylpropan-1-ol; iso-butanol	78-83-1 201-148-0 603-108-00-1	Flam. Liq. 3 H226 STOT SE 3 H335 Skin Irrit. 2 H315 Eye Dam. 1 H318 STOT SE 3 H336	< 0.1%
Ethylbenzene	100-41-4 202-849-4 601-023-00-4	Flam. Liq. 2 H225 Asp. Tox. 1 H304 STOT RE 2 H373 Acute Tox. 4 H332	< 0.1%

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For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures:

In case of skin contact:

Remove contaminated clothing immediately.

Body parts which have come into contact with the product or which are suspected of having come into contact with the product should be rinsed immediately with plenty of running water and, if necessary, with soap.

Wash the body thoroughly (shower or bath).

Remove contaminated clothing immediately and dispose of it safely.

After contact with skin, wash immediately with soap and plenty of water.

In case of eye contact:

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

Protect uninjured eye.

In case of ingestion:

Under no circumstances induce vomiting. GET A MEDICAL EXAMINATION IMMEDIATELY.

In case of inhalation:

Take the victim into the fresh air and keep him warm and calm.

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

Appearances:

No

4.3 Indication of any immediate medical attention and special treatment needed:

In case of accident or feeling unwell, seek medical advice immediately (show the instructions for use or the Safety Data Sheet where possible).

Treatment:

No

SECTION 5: Fire-fighting measures

5.1 Extinguishing media:

Suitable extinguishing media:

Water.

Carbon dioxide (CO₂).

Extinguishing media which must not be used for safety reasons:

None in particular.

5.2 Special hazards arising from the substance or mixture

Specific firefighting hazards:

Do not inhale explosion gases or combustion gases.

Burning produces heavy smoke.

5.3 Advice for firefighters:

Special protective equipment for firefighters:

Use suitable respiratory equipment.

Collect contaminated extinguishing water separately. It may not be discharged into the sewage system.

Move undamaged containers out of the immediate danger zone if this can be done safely.

SECTION 6: Accidental release measures for the substance or mixture

6.1 Personal precautions, protective equipment and emergency procedures:

Personal precautions:

Wear personal protective equipment.

Bringing people to safety.

See protective measures under points 7 and 8.

6.2 Environmental precautions:

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Environmental precautions:

Do not allow to enter soil/subsoil. Do not allow to enter surface water or the sewage system.

Collect and dispose of contaminated wash water.

In the event of gas escape or entry into waterways, soil or sewage system, inform the responsible authorities.

Suitable material for absorption: absorbent material, organic, sand.

6.3 Methods and material for containment and cleaning up

Cleaning methods:

Wash with plenty of water.

6.4 Reference to other sections:

See also section 8 and 13.

SECTION 7: Handling and storage:

7.1 Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and spray.

Do not use empty containers before they have been cleaned.

Make sure that there are no incompatible materials in the containers before carrying out transfer operations.

Soiled clothing should be changed before entering eating areas.

Do not eat or drink during work.

See also section 8 for recommended protective equipment.

7.2 Conditions for safe storage, including any incompatibilities

Store in original containers, dry, tightly closed, in a cool and well-ventilated area.

Avoid contact with skin, eyes and clothing.

Keep away from food, drink and feed.

Mismatched materials: None in particular.

Instructions on storage areas: Sufficiently ventilated rooms.

7.3 Specific end use:

None in particular.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters:

xylene [4] - CAS: 1330-20-7

EU - TWA (8h): 221 mg / m³, 50 ppm - STEL: 442 mg / m³, 100 ppm - Comments: Skin

ACGIH - TWA (8 hours): 100 ppm - STEL: 150 ppm - Comments: A4, BEI - URT and oogirr, CNS disorder

2-methylpropan-1-ol; isobutanol - CAS: 78-83-1

ACGIH - TWA (8h): 50 ppm - Comments: Skin and eye irritants

Ethylbenzene - CAS: 100-41-4

EU - TWA (8h): 442 mg / m³, 100 ppm - STEL: 884 mg / m³, 200 ppm - Comments: Skin

ACGIH - TWA (8 hours): 20 ppm - Comments: A3, BEI - URT irr, renal dam (nephropathy), cochlear disease

DNEL exposure limits

reaction product: bisphenol-A- (epichlorohydrin); epoxy resin (average molecular weight <= 700) - CAS: 25068-38-6

Consumer: 0.75 mg / kg - Exposure: Human Oral - Frequency: Long term, systemic effects

Consumer: 0,75 mg / kg - Exposure: Human Oral - Frequency: Short term, systemic effects

Worker Professional: 8.33 mg / kg - Consumer: 3.571 mg / kg - Exposure: Human Dermal - Frequency: Long-term, systemic effects

Worker Professional: 8.33 mg / kg - Consumer: 3.571 mg / kg - Exposure: Human Dermal - Frequency: Short term, systemic effects

Occupational worker: 12.25 mg/m³ - Exposure: Human inhalation - Frequency: Short term, systemic effects

Formaldehyde, oligomeric reac. products with 1-chloro-2,3-epoxypropane, phenol - CAS: 9003-36-5

Occupational worker: 8.3 04 - Exposure: Human skin - Frequency: Short term, local effects

Occupational worker: 104.15 mg / kg body weight / day - Exposure: Human Dermal - Frequency: Long-term, systemic effects

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Occupational worker: 29.39 mg/m³ - Consumer: 8.7 - Exposure: Human Inhalation - Frequency: Long-term, systemic effects

Consumer: 62.5 mg / kg body weight / day - Exposure: Human Dermal - Frequency: Long-term, systemic effects

Consumer: 6.25 - Exposure: Human Oral - Frequency: Long-term, systemic effects

xylene [4] - CAS: 1330-20-7

Consumer: 108 mg / kg - Exposure: Human Dermal - Frequency: Prolonged (repeated)

Consumer: 14.8 mg / m³ - Exposure: Human Inhalation - Frequency: Prolonged (repeated)

Occupational exposure: 1.6 mg / kg - Exposure: Human Oral - Frequency: Prolonged (repeated)

Consumer: 289 mg / kg - Exposure: Human Inhalation - Frequency: Short term (acute)

Occupational worker: 180 mg / kg - Exposure: Human Dermal - Frequency: Prolonged (repeated)

PNEC exposure limits

reaction product: bisphenol-A- (epichlorohydrin); epoxy resin (average molecular weight <= 700) - CAS: 25068-38-6

Objective: Freshwater - Value: 3 mg/l

Purpose: Sea water - Value: 0.3 mg/l

Objective: Freshwater sediment - Value: 0.5 mg/l

Objective: Marine sediments - Value: 0.5 mg/l

Formaldehyde, oligomeric reac. products with 1-chloro-2,3-epoxypropane, phenol - CAS: 9003-36-5

Objective: Freshwater - Value: 0,003 mg/l

Purpose: Sea water - Value: 0,0003 mg/l

Objective: Freshwater sediment - Value: 0.294 mg / kg / d

Objective: Marine sediments - Value: 0.0294 mg / kg / d

Target: 08 - Value: 0.237 mg / kg / d

xylene [4] - CAS: 1330-20-7

Purpose: Sea water - Value: 0.32 mg/l

Objective: Freshwater - Value: 12.46 mg/kg

Objective: Soil (agriculture) - Value: 2.31 mg/kg

8.2 Exposure controls:

Eye protection:

Wear safety goggles (ref. Standard EN 166).

Protection for the skin:

Safety shoes.

Wear long-sleeved working clothes and safety shoes for professional use of category I (REF. Dir. 89/686 / EEC and EN 344).

Protection for hands:

Protect your hands with work gloves (ref. Directive 89/686 / EEG and its amendments and EN 374/2003)

Respiratory protection:

Use suitable protective breathing equipment. (Ref. Dir. 89/686 / EEC as amended - UNI PROTECTED / 1998 - UNI EN 529/2006)

Thermal hazards:

No

Controlling environmental exposure:

Avoid entering sewers, basements or other places where accumulation can be dangerous.

Appropriate technical measures:

No

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Appearance:	pasta
Colour:	brown
Odour:	characteristic
Odour:	characteristic

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Odour threshold:	Not implemented
pH:	7
Melting/freezing point	Not applicable
Boiling point/boiling range:	Not applicable
Flammability:	> 100°C
Upper / lower explosion limit:	> 150°C
Flashpoint:	> 150°C
Evaporation rate:	Not carried out
Vapour pressure:	Not applicable
Relative vapour density:	Not performed
Density:	0.50-0.55 g/cm ³ (25 °C)
Bulk density:	Not carried out
Solubility in water:	Insoluble
Solubility in other solvents:	Not performed
Partition coefficient: n-octanol/water:	No data available
Ignition temperature:	Not applicable
Auto-ignition temperature:	Not applicable
Thermal decomposition:	Method: No data available
Viscosity	
Viscosity, dynamic:	Not carried out
Viscosity, kinematic:	Not carried out
Explosive properties:	Not applicable
Oxidising properties:	Not applicable
<u>9.2 Other information</u>	
Surface tension:	Not performed
Sublimation point:	Not applicable

SECTION 10: Stability and reactivity

10.1 Reactivity:

There are no particular risks of reaction with other substances under normal conditions of use.

10.2 Chemical Stability:

The product is stable under normal use and storage conditions.

10.3 Potentially hazardous reactions:

None.

10.4 Conditions to avoid

Stable under normal conditions.

10.5 Chemically Interacting Materials:

None in particular.

10.6 Hazardous decomposition products:

None.

SECTION 11: Toxicological information

11.1 Information on toxicological effects:

Toxicological information of the product:

N/A

Toxicological information of the main substances contained in the product:

reaction product: bisphenol-A- (epichlorohydrin); epoxy resin (average molecular weight <= 700) - CAS: 25068-38-6

(a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat = 30,000 mg / kg

(i) STOT on repeated exposure:

Test: NOAEC - Route: Oral - Species: Rat = 50 mg / kg

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Test: NOAEC - Route: Skin - Species: Rat = 100 mg / kg

Formaldehyde, oligomeric reac. products with 1-chloro-2,3-epoxypropane, phenol - CAS: 9003-36-5

(a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 2,000 mg / kg

Test: LD50 - Route: Skin - Species: Rat > 2,000 mg / kg

b) skin corrosion/irritation:

Test: Skin irritant - Route: Skin - Species: Rabbit 0.7 - Duration: 4h

1,6-hexandiglycidyl ether - CAS: 16096-31-4

(a) acute toxicity:

Test: LD50 - Route: Skin - Species: Rabbit 2 4900 mg / kg

Test: LD50 - Route: Oral - Species: Rat = 8500 mg / kg

Hydrocarbons, polymers with phenol - CAS: 68512-30-1

LD50: 6.27 ml / kg (oral rat)

LD50: 10 ml / kg (dermal rat)

If not otherwise specified, the information required by Regulation (EU) 2015/830 below should be considered as N/A:

(a) acute toxicity;

b) skin corrosion/irritation;

c) serious eye damage/irritation;

(d) respiratory or skin sensitisation;

(e) mutagenicity in germ cells;

(f) carcinogenicity;

(g) reproductive toxicity;

(h) STOT single exposure;

(i) STOT on repeated exposure;

(j) hazard of aspiration.

SECTION 12: Ecological information

12.1 Toxicity:

Apply good working practices so that the product does not end up in the environment.

1,6-hexandiglycidyl ether - CAS: 16096-31-4

(a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 47 mg/l - Duration: 24

Endpoint: LC50 - Species: Fish = 30 mg/l - Duration: 96

12.2 Persistence and Degradability:

PE 640 A

Biodegradability:

No data available.

reaction product: bisphenol-A- (epichlorohydrin); epoxy resin (average molecular weight <= 700) - CAS: 25068-38-6

Biodegradability:

not biodegradable

Formaldehyde, oligomeric reac. products with 1-chloro-2,3-epoxypropane, phenol - CAS: 9003-36-5

Biodegradability:

Not readily biodegradable

12.3 Bioaccumulation:

PE 640 A

Bioaccumulation:

Information not available

reaction product: bisphenol-A- (epichlorohydrin); epoxy resin (average molecular weight <= 700) - CAS: 25068-38-6

Bioaccumulation:

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Trade name: PE 640 A

Information not available

Formaldehyde, oligomeric reac. products with 1-chloro-2,3-epoxypropane, phenol - CAS: 9003-36-5

Bioaccumulation:

Potentially bioaccumulative

12.4 Mobility in Soil:

PE 640 A

Mobility in soil:

No data available

reaction product: bisphenol-A- (epichlorohydrin); epoxy resin (average molecular weight <= 700) - CAS: 25068-38-6

Mobility in soil:

No data available

Formaldehyde, oligomeric reac. products with 1-chloro-2,3-epoxypropane, phenol - CAS: 9003-36-5

Mobility in soil:

No data available

12.5 Results of PBT and vPvB assessment

vPvB-substances: None - PBT Substances None

12.6 Other Harmful Effects:

No endocrine disruptors present in concentration >= 0.1%.

12.7. Other adverse effects

No

SECTION 13: Instructions for disposal

13.1 Waste treatment methods:

Collect if possible. Observe the applicable local and national regulations.

SECTION 14: Information relating to carriage

14.1 UN number

ADR/RID/ADN: UN 3077

IMDG: UN 3077

IATA: UN 3077

14.2 Proper load name according to UN Model Regulations

ADR/RID/ADN: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(Epoxy resin)

IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(Epoxy resin)

IATA: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(Epoxy resin)

14.3 Transport hazard class(es)

ADR Class: 9

ADR label: 9

ADR - Hazard identification number 90

IATA Class: 9

IATA Label: 9

IMDG Class: 9

14.4 Packing group

ADR packing group: III

IATA Packing group: III

IMDG Packing group: III

14.5 Environmental hazards

Marine pollution: yes

14.6 Special precautions for the user

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ADR Tunnel Restriction Code: E
Railway (RID): 3077
IMDG-Technical name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(Epoxy resin)
IMDG-EMS: F-S, S-F

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code No.

SECTION 15: Legally required information

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

Dir. 98/24 / EC (Risks related to chemical agents at work)

Dir. 2000/39 / EC (occupational exposure limits)

Regulation (EC) No 1907/2006 (REACH)

Regulation (EC) No 1272/2008 (CLP)

Regulation (EC) 790/2009 (ATP 1 CLP) and (EU) n. 758/2013

Regulation (EU) 2015/830

Regulation (EU) No 286/2011 (ATP 2 CLP)

Regulation (EU) No 618/2012 (ATP 3 CLP)

Regulation (EU) No 487/2013 (ATP 4 CLP)

Regulation (EU) No 944/2013 (ATP 5 CLP)

Regulation (EU) No 605/2014 (ATP 6 CLP)

Regulation (EU) No 2015/1221 (ATP 7 CLP)

Regulation (EU) 2016/918 (ATP 8 CLP)

Regulation (EU) 2016/1179 (ATP 9 CLP)

Regulation (EU) 2017/776 (ATP 10 CLP)

Regulation (EU) No 2018/669 (ATP 11 CLP)

Regulation (EU) No 2018/1480 (ATP 13 CLP)

Regulation (EU) No 2019/521 (ATP 12 CLP)

Restrictions on the product or substances in Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent amendments:

No

Please refer to the following legal provisions, if applicable:

Directive 2012/18 / EU (Seveso III)

Regulation (EC) No 648/2004 (detergents).

Dir. 2004/42 / EC (VOC Directive)

Provisions relating to Directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, Part 1

Product belongs to category: E2

15.2 Chemical safety assessment:

No chemical safety assessment has been carried out for the mixture.

SECTION 16: Other information

Full text of the H statements

Full text of the H statements

H319 Causes serious eye irritation.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

H302 Harmful if swallowed.

H226 Flammable liquid and vapour.

H332 Harmful by inhalation.

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H312 Harmful in contact with skin.

H335 May cause respiratory irritation.

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

H304 May be fatal if swallowed and enters airways.

H318 Causes serious eye damage.

H336 May cause drowsiness or dizziness.

H225 Highly flammable liquid and vapour.

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

Full text of other abbreviations

Flam. Liq. 2	2.6 / 2	Flammable liquid, Category 2
Flam. Liq. 3	2.6 / 3	Flammable liquid, Category 3
Acute tox. 4	3.1 / 4 /	Dermal Acute toxicity (dermal) category 4
Acute tox. 4	3.1 / 4 /	Acute toxicity by inhalation category 4
Acute tox. 4	3.1 / 4 /	Oral Acute toxicity, category 4
Adder. Tox. 1	3.10 / 1	Aspiration hazard, category 1
Skin Irrit. 2	3.2 / 2	Skin irritation, category 2
Eye contact. 1	3.3 / 1	Serious eye damage, Category 1
Eye Irrit. 2	3.3 / 2	Eye irritation, category 2
Skin Sens.1	3.4.2 / 1	Skin sensitisation, category 1
Skin Sens.1,1A, 1B	3.4.2 / 1-1A-1B	Skin sensitisation, category 1,1A, 1B
STOT SE 3	3.8 / 3	Specific target organ toxicity by single exposure, Category 3
STOT RE 2	3.9 / 2	Specific target organ toxicity - repeated exposure, Category 2
Aquatic Chronic 2	4.1 / C2	Chronic (long-term) aquatic hazard, Category 2
Aquatic Chronic 3	4.1 / C3	Chronic (long-term) aquatic hazard, Category 3

This Safety Data Sheet has been fully updated in accordance with Regulation 2015/830.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) No 1272/2008

Classification procedure

Skin Irrit. 2, H315	Calculation method
Eye Irrit. 2, H319	Calculation method
Skin Sens. 1, H317	Calculation method
Aquatic Chronic 2, H411	Calculation method

This document has been drawn up by a competent person who has undergone appropriate training.

Main bibliographical sources:

ECDIN - Data and Information Network on Environmental Chemicals - Joint Research Centre, Commission of the European Communities

THE DANGEROUS PROPERTY OF SAX FROM INDUSTRIAL MATERIALS - Eighth edition - Van Nostrand Reinold

The information contained in this document is based on our knowledge at the date specified above. It refers exclusively to the product indicated and does not constitute a guarantee for any particular quality.

It is the user's duty to ensure that this information is appropriate and complete in relation to the specific intended use.

This MSDS cancels and replaces all previous releases.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute toxicity estimation
ATEmix:	Acute toxicity estimation (mixtures)
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	classification, labelling, packaging.

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DNEL:	Derived dose without effect.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally harmonised system for classification and labelling of chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the International Air Transport Association (IATA).
ICAO:	International Civil Aviation Organisation.
ICAO-TI:	Technical Instructions of the International Civil Aviation Organization (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Fatal concentration, for 50 percent of the test population.
LD50:	Lethal dose, for 50 percent of the test population.
PNEC:	Predicted no-effect concentration.
RID:	Regulation on the International Carriage of Dangerous Goods by Rail.
STEL:	Short-term exposure limit.
STOT:	Specific target organ toxicity.
TLV:	Threshold Limiting Value.
TWA:	time-weighted average
WGK:	German water hazard class.