SAFETY DATA SHEET

Inpipe Liner

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

1.1. Product identifier

Trade name:	Inpipe Liner
Other names/synonyms:	INV, WIP, Flex
▼ Unique formulation identifier (UFI):	8000-A0PG-W002-293H

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

Relevant identified uses of the substance or mixture:	Liner for renovation of sewer pipes, surface water pipes, canals, culverts and similar applications. Liner of glass fiber reinforced polyester. For professional use only.
Uses advised against:	None known.

1.3. Details of the supplier of the safety data sheet

▼ Company details:	Inpipe Sweden AB Ekorrvägen 12 912 32 Vilhelmina Sweden +46 (0)940 395 30
E-mail:	info@inpipe.se
Revised:	2025-05-21
SDS Version:	4.0
Date of previous issue:	2024-12-18 (3.0)

1.4. Emergency telephone number

Emergency: Call 112, request poison information. Open 24/7.
Less urgent: Call 010-456 6700. Open 24/7.
See section 4 for first aid measures.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Flam. Liq. 3; H226, Flammable liquid and vapor.
Skin Irrit. 2; H315, Causes skin irritation.
Eye Irrit. 2; H319, Causes serious eye irritation.
STOT SE 3; H335, May cause respiratory irritation.
Repr. 2; H361d, Suspected of damaging the unborn child
STOT RE 1; H372, Causes damage to organs through prolonged or repeated exposure.
Aquatic Chronic 3; H412, Harmful to aquatic life with long lasting effects.

2.2. Label elements

Hazard pictogram:

Signal word: Danger

Hazard statements:
Flammable liquid and vapor. (H226)
Causes skin irritation. (H315)
Causes serious eye irritation. (H319)
May cause respiratory irritation. (H335)
Suspected of damaging the unborn child (H361d)
Causes damage to organs through prolonged or repeated exposure. (H372)
Harmful to aquatic life with long lasting effects. (H412)

Precautionary statements:

General
-

Prevention
Obtain special instructions before use. (P201)
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (P210)
Do not breathe vapors/mist. (P260)

	Wash hands thoroughly after handling. (P264) Wear eye protection/protective gloves/protective clothing. (P280)
Measures	IF exposed or concerned Get medical advice/attention. (P308+P313)
Storage	-
Disposal	-
Contains:	styrene;vinylbenzene diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide
Other marking:	EUH208, Contains diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide. May produce an allergic reaction. UFI: 8000-A0PG-W002-293H

2.3. Other hazards

Other: This mixture/product does not contain any substances considered to meet the criteria for classification as PBT and/or vPvB substances.
The product does not contain any substances assessed to be endocrine disruptors according to the criteria in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2023/707.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/Substance	Identifier	% w/w	Classification	Note
styrene;vinylbenzene	CAS no.: 100-42-5 EC no.: 202-851-5 REACH: 01-2119457861-32-XXXX Index no.: 601-026-00-0	15 -< 25%	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Acute Tox. 4, H332 STOT SE 3, H335 Repr. 2, H361d STOT RE 1, H372 (Hearing) (Inhalation) Aquatic Chronic 3, H412	
diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	CAS no.: 75980-60-8 EC no.: 278-355-8 REACH: 01-2119972295-29-XXXX Index no.: 015-203-00-X	<0.25%	Skin Sens. 1B, H317 Repr. 1B, H360Fd Aquatic Chronic 2, H411	[5]

The full wording of the H-phrases is given in section 16. Occupational exposure limits are given in section 8 - if available.

Other information

[5] The substance is included in the candidate list of substances of very high concern (SVHC substances).

SECTION 4: First aid measures

4.1. Description of first aid measures

General:	In case of accident: Contact a doctor or emergency room - bring the label or this safety data sheet. If symptoms persist or if there is any doubt about the affected person's condition, seek medical attention. Never give an unconscious person water or the like.
Inhalation:	In case of breathing difficulties or irritation of the respiratory tract: Move the injured person to fresh air immediately and keep the person under supervision.
Skin contact:	Quickly remove contaminated clothing and shoes. Skin that has been in contact with the material wash thoroughly with soap and water. Skin cleansing agents can be used. Do NOT use organic solvents. If skin irritation occurs: Get medical advice/attention.
Eye contact:	In case of contact with eyes: Rinse eyes immediately with plenty of water (20-30 °C) until irritation ceases and for at least 5 minutes. Remove any contact lenses. Be sure to rinse under both upper and lower eyelids. If irritation persists, seek medical attention. Continue to rinse during transport.

Ingestion:	If the person is conscious, rinse mouth with water and stay with the person. Never give the person anything to drink. If feeling unwell: Immediately contact a doctor and bring this safety data sheet or the label from the product. Do not induce vomiting unless recommended by a doctor. Lower the head so that any vomit does not flow back into the mouth and down the throat.
Burn:	Rinse with plenty of water until the pain stops and continue for another 30 minutes.

4.2. The most important symptoms and effects, both acute and delayed

Hypersensitivity reactions: The product contains substances that can trigger an allergic reaction upon skin contact.
The allergic reaction typically occurs 12-72 hours after exposure to the allergen and occurs through the allergen penetrating the skin and reacting with proteins in the outermost layer of skin. The body's immune system perceives the chemically altered protein as a foreign body and tries to break it down.

Signs/symptoms of overexposure
Eye contact may include the following harmful symptoms:
Pain or irritation
Tearing
Redness

Inhalation may include the following harmful symptoms:
Respiratory irritation
Cough
Decreased fetal weight
Increased fetal mortality
Skeletal malformations

Skin contact may include the following harmful symptoms:
Irritation
Redness
Decreased fetal weight
Increased fetal mortality
Skeletal malformations

Ingestion may include the following harmful symptoms:
Decreased fetal weight
Increased fetal mortality
Skeletal malformations
Nausea or vomiting

4.3. Indication of immediate medical attention and special treatment that may be required

In case of exposure or suspected exposure:
Seek immediate medical attention.

Information to doctor
Bring this safety data sheet or the label from the product.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: alcohol-resistant foam, carbon dioxide, powder, water vapor.
Unsuitable extinguishing media: Water jet should not be used as it can spread the fire.

5.2. ▼ Special hazards arising from the substance or mixture

Flammable liquid and vapor.
When used, flammable/explosive vapor-air mixtures can form.
In case of fire, dense smoke develops. Exposure to decomposition products may constitute a health hazard. Closed containers exposed to fire are cooled with water. Do not allow water from fire extinguishing to run into sewers and waterways. If the product is exposed to high temperatures, e.g. in the event of a fire, hazardous decomposition products may form. These are:
Carbon oxides (CO / CO2)
Aldehydes
Organic acids

5.3. ▼ Advice for firefighters

Use protective equipment including breathing apparatus. If exposure has occurred, contact the Poison Information Center (tel 112, 24/7) for advice.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Non-ignited stock is cooled with water vapor. Remove flammable materials if possible. Ensure good ventilation.
Avoid direct contact with spills.
Ensure adequate ventilation, especially in confined areas.
Avoid breathing vapors from spills.
Contaminated areas may be slippery.

6.2. Environmental protection measures
Avoid discharge into lakes, streams, sewers, etc. Contact the local environmental authorities in case of discharge into the environment.

6.3. Methods and material for containment and cleaning up
Spills are contained and collected with non-combustible absorbent material, e.g. sand, soil, vermiculite, diatomaceous earth and placed in containers and disposed of in accordance with applicable regulations.
Cleaning is carried out as far as possible with detergents. Solvents should be avoided.

6.4. Reference to other sections
See section 13 "Disposal considerations".
See section 8 "Exposure controls/personal protection" for personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Ground and bond containers and receiving equipment.
Use explosion-proof [electrical/lighting/ventilation] equipment.
Use tools that do not cause sparks.
Take measures against static electricity.
Construct any fall/basin for spill collection to prevent discharge into the environment.
The product must be tested for peroxide formation or discarded after 6 months.
Avoid direct contact with the product.
Peroxide formation can be found anywhere in the container, including on the sides, bottom, outside and in the threaded cap.
Peroxide formation in ppm concentrations may not always be visible and must be identified by appropriate test procedures.
If any of the following conditions exist, the material may be explosively unstable and requires stabilization before use:
1. The material appears to be damaged or contaminated.
2. The material appears to be discolored.
3. Deterioration or distortion of the storage container.
4. Thermal shock (sunshine).
5. The age of the material exceeds the recommended storage time.
Avoid contact during pregnancy and breastfeeding.
Smoking, eating and drinking are not allowed in the work premises.
See section 8 for personal protection.

7.2. Conditions for safe storage, including any incompatibility
The product can be stored at 20° C in original packaging for 6 months without quality deterioration.
Store in tightly closed containers and keep protected from moisture and sunlight. Containers should be dated when opened and tested regularly for the presence of peroxides. Do not exceed the storage time limits.
Opened containers must be resealed tightly and kept upright to prevent leakage.
Take measures against static electricity.
Store in a cool, well-ventilated area, away from possible sources of ignition.

Compatible packaging:	Always store in containers of the same material as the original container.
Fire class:	Liquid with flash point >30 °C - ≥ 60 °C MSBFS 2010:4 regulations on which goods are to be considered flammable or explosive goods. MSBFS 2023:2 handling of flammable liquids.
Storage conditions:	No special requirements.
Incompatible materials:	Oxidizing agents. Strong acids

7.3. Specific end use
This product should only be used for the uses described in section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. ▼ Control parameters
styrene;vinylbenzene
Short-term limit value (15 minutes) (ppm): 20
Short-term limit value (15 minutes) (mg/m^3): 86
Level limit value (8 hours) (ppm): 10
Level limit value (8 hours) (mg/m^3): 43
Remarks:
B = Exposure near existing occupational hygiene limit value and simultaneous exposure to noise near the intervention value of 80 dB r
cause hearing damage.
H = The substance can be easily absorbed through the skin.
M = Medical control is required for handling the substance.

V = Guidance short-term limit value.

The Swedish Work Environment Authority's regulations and general advice (AFS 2023:14) on limit values for airborne exposure in the working environment

DNEL No data available.

PNEC No data available.

8.2. Limiting exposure

Compliance with hygienic limit values should be checked regularly.

Generally:	Smoking, eating and drinking are not permitted in the workplace.
Exposure scenarios:	There are no implemented exposure scenarios for this product.
Exposure limit:	Professional users are covered by the rules of the working environment legislation regarding maximum concentrations upon exposure. See the occupational hygiene limit values above.
Technical measures:	Exhaust air containing relevant substances must not be recirculated. Vaporization must be kept to a minimum and below current limit values (see above). Installation of a local exhaust ventilation is recommended if normal air flow in the workroom is not sufficient. Make sure that eyewash and emergency shower are clearly marked. Apply standard regulations when using the product. Avoid inhalation of vapors.
Hygienic measures:	Take off contaminated clothing and wash it before using it again.
Limitation of environmental exposure	Follow the risk management measures that provide adequate control of the environment's exposure to the substance for the exposure scenarios specified in the appendix to the safety data sheet (if such an appendix exists).

Individual protection measures

Generally: Only use CE-marked protective equipment.

▼ Respiratory protection:

Work situation	Type	Class	Color	Standards	
In case of insufficient ventilation	Respiratory protection with filter type A.	A	Brown	EN149	

Work situation	Recommended	Type/Category	Standards

▼ Skin protection:

Work situation	Recommended	Type/Category	Standards	
When there is a risk of exposure to splashes/recurrent exposure	Chemical resistant clothing and shoes		EN 943	

▼ Hand protection:

Work situation	Glove material	Glove thickness (mm)	Breakthrough (min.)	Standards	
When there is a risk of exposure to splashes/recurrent exposure	Nitrile	0,4	> 60	EN374-2, EN16523-1, EN388	
In contact with concentrated product	Viton®	0,7	> 240	EN374-2, EN16523-1, EN388	

Eye protection:

Work situation	Type	Standards	
When there is a risk of exposure to splashes/recurrent exposure	Use safety glasses with side shields.	EN166	

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Color:	Yellow
Odor / Odor threshold (ppm):	Characteristic (Odor threshold: 0.15 - 25 ppm)

pH:	-
pH in solution:	7 (0.02%)
Density (g/cm³):	1.11 (23 °C)
Relative density:	1,11
Bulk density (kg/m³):	1110
Kinematic viscosity:	>0.205 cm²/s (40 °C)
Dynamic viscosity:	650 - 750 mPa.s
Particle properties:	Not applicable to liquids.

Phase changes

Melting point/freezing point (°C):	< 25
Softening point/softening point interval (°C):	Not applicable to liquids.
Boiling point (°C):	145
▼ Vapor pressure:	No data available.
▼ Relative vapor density:	No data available.
▼ Decomposition temperature (°C):	No data available.

Data on fire and explosion hazards

Flash point (°C):	33 Test method: EN ISO 2719
Flammability (°C):	The material is flammable.
Self-ignition temperature (°C):	490
Explosion limits (% v/v):	1,1 - 6,1

Solubility

Solubility in water:	Insoluble in cold water
n-octanol/water coefficient (LogKow):	>2
▼ Solubility in fat (g/L):	No data available.

9.2. Other information

Evaporation rate (n-butyl acetate = 100):	12.4
Other physical and chemical parameters:	No data available.
▼ Oxidizing properties:	No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity
There is no test data available for the reactivity of this product or its constituents

10.2. Chemical stability
The product is stable under the conditions specified in section 7 (Handling and storage).

10.3. Risk of dangerous reactions
None known.

10.4. Conditions to avoid
Avoid all possible sources of ignition (spark or flame). Do not subject the container to pressure, cutting, welding, soldering, drilling, grinding or expose it to heat or sources of ignition. Do not allow vapor to accumulate in low-lying or confined spaces.

10.5. Incompatible materials
Oxidizing agents.
Strong acids

10.6. ▼ Hazardous decomposition products
Under normal storage and use conditions, hazardous decomposition products should not be created.

SECTION 11: Toxicological information

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

▼ Acute toxicity

Product/Substance	styrene;vinylbenzene

Art:	Rat, male/female
Exposure route:	Oral
Test:	LD50
Result:	5000 mg/kg

Product/Substance	styrene;vinylbenzene
Test method:	OECD 402
Art:	Rat, male/female
Exposure route:	Skin
Test:	LD50
Result:	> 2000 mg/kg

Product/Substance	styrene;vinylbenzene
Art:	Rat
Exposure route:	Inhalation
Test:	LC50 (vapors)
Result:	11.8 mg/L
Other information:	(4h)

Product/Substance	diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide
Test method:	OECD 401
Art:	Rat, male/female
Exposure route:	Oral
Test:	LD50
Result:	> 5000 mg/kg

Product/Substance	diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide
Test method:	OECD 402
Art:	Rat, male/female
Exposure route:	Skin
Test:	LD50
Result:	> 2000 mg/kg

The criteria for classification cannot be considered fulfilled on the basis of available data.

Corrosive/irritating to the skin

Irritates the skin.

Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory sensitization

The criteria for classification cannot be considered fulfilled on the basis of available data.

Skin sensitization

The product contains substances that can trigger an allergic reaction in already sensitized persons.

Germ cell mutagenicity

The criteria for classification cannot be considered fulfilled on the basis of available data.

Carcinogenicity

The criteria for classification cannot be considered fulfilled on the basis of available data.

Reproductive toxicity

Suspected of damaging the unborn child

Specific target organ toxicity – single exposure

May cause respiratory irritation.

Specific target organ toxicity – repeated exposure

Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard

The criteria for classification cannot be considered fulfilled on the basis of available data.

11.2. Information on other hazards

Long-term effects

Reproductive toxicity: The product contains teratogenic substances that can cause permanent damage to human offspring. The effect on the child may be: death, malformations, delayed development or disability.
Irritation effects: The product contains substances that are locally irritating on skin contact, eye contact or inhalation. Contact with locally irritating substances can result in the contact area becoming more exposed to the absorption of harmful substances, such as allergens.

▼ Endocrine disrupting properties

This mixture/product does not contain any substances that are considered to have endocrine disrupting properties with regard to health.

Other information

styrene;vinylbenzene: The substance has been classified in group 2A by IARC.

SECTION 12: Ecological information

12.1. Toxicity

Product/Substance	styrene; vinylbenzene
Species:	Fish, Pimephales promelas
Duration:	96 hours
Test:	LC50
Result:	4.02 mg/L

Product/Substance	styrene; vinylbenzene
Test method:	OECD 202
Species:	Water fleas, Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	4.7 mg/L

Product/Substance	styrene; vinylbenzene
Species:	Algae, Pseudokirchneriella subcapitata
Duration:	72 hours
Test:	ErC50
Result:	4.9 mg/L

Product/Substance	styrene; vinylbenzene
Species:	Algae, Pseudokirchneriella subcapitata
Duration:	96 hours
Test:	EC10
Result:	0.28 mg/L

Product/Substance	styrene; vinylbenzene
Test method:	OECD 209
Species:	Bacteria
Part of the environment:	Activated sludge plant
Duration:	30 min
Test:	EC50
Result:	500 mg/L

Product/Substance	diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide
Test method:	OECD 203
Species:	Fish, Cyprinus carpio
Duration:	96 hours
Test:	LC50
Result:	1.4 mg/L

Product/Substance	diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide
Test method:	OECD 202
Species:	Water fleas, Daphnia magna
Duration:	48 hours
Test:	EC50
Result:	3.53 mg/L

Product/Substance	diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide
Test method:	OECD 201
Species:	Algae, Pseudokirchneriella subcapitata
Duration:	72 hours
Test:	EC50
Result:	> 2.01 mg/L

Product/Substance	diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide
Test method:	OECD 209
Species:	Bacteria
Part of the environment:	Activated sludge plant
Duration:	30 min
Test:	EC50
Result:	> 1000 mg/L

Harmful long-term effects on aquatic organisms.

12.2. Persistence and degradability

The criteria for classification cannot be considered fulfilled on the basis of available data.

12.3. Bioaccumulative potential

Product/Substance	styrene; vinylbenzene

BCF:	74
Conclusion:	Bioaccumulation is not expected

Product/Substance	diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide
BCF:	< 40
Conclusion:	-

12.4. Mobility in soil
styrene;vinylbenzene
LogKoc = 2.55, Moderate mobility.

12.5. Results of PBT and vPvB assessment
This mixture/product contains no substances that are considered to meet the criteria for classification as PBT and/or vPvB-substances.

12.6. ▼ Endocrine disrupting properties
This mixture/product contains no substances that are considered to have endocrine disrupting properties in relation to the environme

12.7. Other adverse effects
The product contains substances that may cause undesirable long-term effects in the aquatic environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
This product is covered by regulations on hazardous waste.
HP 3 - Flammable
HP 4 - Irritant (skin irritation and eye damage)
HP 5 - Specific target organ toxicity (STOT)/Aspiration toxicity
HP 6 - Acute toxicity
HP 10 - Reproductive toxicity
The contents/container should be taken to an approved waste disposal plant.
Waste Ordinance (SFS 2020:614).

EWC code: Not applicable.

Contaminated packaging
The waste category is indicative and depends on how the waste has been generated. Packaging with residual product should be disposed of in the same way as the product.

SECTION 14: Transport information

	14.1 UN	14.2 Official shipping name	14.3 Hazard class for transport	14.4 PG*	14.5 Env**	Other information:
ADR	UN1866	RESIN SOLUTION	Class: 3 Labels: 3 Classification code: F1 	III	No	Limited quantities: 5 L Tunnel restric-tion code: (D/E) See more information below.
IMDG	UN1866	RESIN SOLUTION	Class: 3 Labels: 3 Classification code: F1 	III	No	Limited quantities: 5 L EmS: F-E S-E See more information below.
IATA	UN1866	RESIN SOLUTION	Class: 3 Labels: 3 Classification code: F1 	III	No	See more information below.

* Packing group

** Environmental hazards

Other

This low-viscosity class 3 liquid is not covered by the rules in packages up to 450 liters according to 2.2.3.1.5.1. The product is covered by the conventions regarding dangerous goods.
ADR / See Table A, Section 3.2.1 for all information on specific conditions, requirements or warnings related to transport.
See section 5.4.3 for written instructions regarding damage limitation in the event of incidents or accidents during transport.
IMDG / See Section 3.2.1 for all information on specific conditions, requirements or warnings related to transport.
IATA / See Table 4.2 for all information on specific conditions, requirements or warnings related to transport.

14.6. Special precautions
Not applicable.

14.7. Bulk transport by sea according to IMO instruments
No data available.

SECTION 15: Regulatory information

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

Usage restrictions:	For professional use only. The product may not be used professionally by young people under the age of 18. The prohibition does not apply if the work task: - is performed by young people who have completed upper secondary education or equivalent education for the task, or - is included in teaching that is located in a school room or other place that is specially arranged for teaching, or - is included in practice-led internships for young people. Pregnant and breastfeeding women should not be exposed to the product. The risk and the possibilities for technical precautions or adaptation of the workplace to avoid such impact should therefore be considered.
Requirements for special training:	No special requirements.
SEVESO - Hazard categories / Hazardous substances:	P5c - FLAMMABLE LIQUIDS, Threshold values (Column 2): 5,000 tonnes / (Column 3): 50,000 tonnes
REACH, Annex XVII:	styrene;vinylbenzene falls within the restrictions of the REACH regulation (Item No. 40).
Other:	Not applicable.
▼ Sources:	The Swedish Work Environment Authority's regulations and general advice (AFS 2023:2) on planning and organizing of work environment work — basic obligations for those with employer responsibility The Swedish Work Environment Authority's regulations and general advice (AFS 2023:2) on planning and organizing of work environment work — basic obligations for those with employer responsibility MSBFS 2015:8 regulations on measures to prevent and limit the consequences of serious chemical accidents. Waste Ordinance (SFS 2020:614). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labeling and packaging of substances and mixtures (CLP). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 onregistration, evaluation, authorization and restriction of chemicals (REACH).

15.2. Chemical safety assessment
No

SECTION 16: Other information

Wording of H-phrases listed in section 3
H226, Flammable liquid and vapor.
H304, May be fatal if swallowed and enters airways. H315, Causes skin irritation.
H317, May cause an allergic skin reaction.
H319, Causes serious eye irritation.
H332, Harmful if inhaled.
H335, May cause respiratory irritation.
H360Fd, May damage fertility. Suspected of damaging the unborn child
H361d, Suspected of damaging the unborn child
H372, Causes damage to organs through prolonged or repeated exposure. (Hearing) (Inhalation)
H411, Toxic to aquatic life with long lasting effects.
H412, Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms
ADR = European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Estimated acute toxicity
BCF = Bioconcentration factor
CAS = Registration number assigned by Chemical Abstract Services
CE = Conformité Européenne (In accordance with EU directives)

CLP = Regulation (EC) No 1272/2009 of the European Parliament and of the Council (CLP) on classification, labelling and packaging of substances and mixtures
CSA = Chemical Safety Assessment CSR =
Chemical Safety Report
DNEL = Derived No Effect Level
EINECS = European Inventory of Existing Commercial chemical Substances ES =
Exposure Scenario
EUH hazard statements = supplementary hazard statements
according to CLP EuPCS = European Product Categorisation
System EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
GWP = Global Warming Potential IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
OECD = Organisation for Economic Co-operation and Development PBT
= Persistent, Bioaccumulative and Toxic
PNEC = Concentration at which no adverse effects are likely to occur
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals (Regulation (EC) No 1907/2006) RRN = REACH Registration Number SCL = Specific Concentration Limit.
STOT-RE = Specific target organ toxicity - repeated exposure STOT-
SE = Specific target organ toxicity - single exposure SVHC =
Substances of Very High Concern
UVBC = Substances of unknown or variable composition, complex reaction products or biological material. UN = United Nations VOC = Volatile Organic Compounds
vPvB = Very Persistent and Very Bioaccumulative

Other

The classification of the mixture with regard to health hazards has been made in accordance with the calculation methods set out in Regulation (EC) No 1272/2008 (CLP).
The classification of the mixture with regard to environmental hazards has been made in accordance with the calculation methods set out in Regulation (EC) No 1272/2008 (CLP).
The classification of the mixture with regard to physical hazards is based on experimental data.

The safety data sheet is validated by

Safety Data Sheet Consulting, MAE

Other

Modified data in comparison with the previous version is marked with a triangle (First digit in SDS version).
The information in this safety data sheet is based on our current knowledge. The information in the safety data sheets is based on the best available data and applies to the product's intended handling. This safety data sheet applies only to this product and may not be applicable if the product is used as an ingredient in another product. If the product is used in any way or in any application other than that for which the product was originally developed or recommended, this is entirely at the user's own risk. The purpose of this safety data sheet is to describe the safety requirements for the product. It must not be understood as a guarantee of the product's properties and the information cannot replace a product data sheet. It is recommended that this safety data sheet be provided to the actual user of the product. Country-language: SE-sv