

Dated 18/12/2018 First compilation Printed on 24/06/2019 Page n. 1 / 12

Safety Data Sheet

According to Annex II to REACH - Regulation 2015/830

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

1.1. Product identifier

Perfect Line Quick Start Primer Activator Product name

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

Intended use Hardener for 2k acrylic fillers.

1.3. Details of the supplier of the safety data sheet

Perfect Line Name Postbus 90117 Full address **5000 LA TILBURG District and Country** the Netherlands

T +31(0)85 744 11 18

e-mail address of the competent person

responsible for the Safety Data Sheet

Perfect Line info@perfectline.nl

Product distribution by:

1.4. Emergency telephone number

UNITED KINGDOM - POISON INFORMATION CENTERS For urgent inquiries refer to

• National Poisons Information Service (NPIS) - Tel: +44 844 8920111

INTEC s.r.l. - Technical Support: Tel. +39 0522 909727 (Monday - Friday: 8.30-12.00

and 14.00-17.30)

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation

Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

Flammable liquid, category 3	H226	Flammable liquid and vapour.
Acute toxicity, category 4	H332	Harmful if inhaled.
Specific target organ toxicity - repeated exposure,	H373	May cause damage to organs through prolonged or
category 2		repeated exposure.
Eye irritation, category 2	H319	Causes serious eye irritation.
Skin irritation, category 2	H315	Causes skin irritation.
Specific target organ toxicity - single exposure,	H335	May cause respiratory irritation.
category 3		
Respiratory sensitization, category 1	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin sensitization, category 1	H317	May cause an allergic skin reaction.
Hazardous to the aquatic environment, chronic toxicity, category 3	H412	Harmful to aquatic life with long lasting effects.



Dated 18/12/2018 First compilation Printed on 24/06/2019 Page n. 2 / 12

SECTION 2. Hazards identification

2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:



Signal words: Danger

Hazard statements:

H226 Flammable liquid and vapour.

H332 Harmful if inhaled.

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

H319 Causes serious eye irritation. H315 Causes skin irritation.

H335 May cause respiratory irritation. H334

May cause allergy or asthma symptoms or breathing difficulties if inhaled. H317

May cause an allergic skin reaction. H412

Harmful to aquatic life with long lasting effects.

EUH204 Contains isocyanates. May produce an allergic reaction.

Precautionary statements:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P210

P280 Wear protective gloves/ protective clothing / eye protection / face protection. P304+P340 IF INHALED: remove person to fresh air and keep comfortable for breathing.

Keep container tightly closed. P233

Wash thoroughly your hands after handling. P264

[In case of inadequate ventilation] wear respiratory protection. P284 Call a POISON CENTRE or a doctor if you feel unwell. P312

Contains: XYLENE (REACTIVE MIXTURE OF ETHYLBENZENE, m-XYLENE AND p-XYLENE)

POLY (HEXAMETHYLENE DIISOCYANATE)

SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM

2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

Identification x = Conc. % Classification 1272/2008 (CLP)

POLY (HEXAMETHYLENE DIISOCYANATE)

Acute Tox. 4 H332, Resp. Sens. 1 H334, Skin Sens. 1 H317 CAS 28182-81-2 $40 \le x < 55$

EC 500-060-2

INDEX

01-2119485796-17-xxxx Reg. no.

XYLENE (REACTIVE MIXTURE OF ETHYLBENZENE, m-XYLENE AND p-XYLENE)

Flam. Lig. 3 H226, Acute Tox. 4 H312, Acute Tox. 4 H332, Asp. Tox. 1 H304, $35 \le x < 40$ CAS

STOT RE 2 H373, Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335,

Classification note according to Annex VI to the CLP Regulation: C 905-562-9

EC INDEX

Reg. no. 01-2119555267-33



Revision nr.1 Dated 18/12/2018 First compilation Printed on 24/06/2019 Page n. 3 / 12

SECTION 3. Composition/information on ingredients/>

N-BUTYL ACETATE

CAS 123-86-4 12 ≤ x < 15 Flam. Lig. 3 H226, STOT SE 3 H336, EUH066

EC 204-658-1 INDEX 607-025-00-1

Reg. no. 01-2119485493-29-xxxx

SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM

CAS 64742-95-6 3 ≤ x < 5 Flam. Lig. 3 H226, Asp. Tox. 1 H304, STOT SE 3 H335, STOT SE 3 H336,

Aquatic Chronic 2 H411,

Classification note according to Annex VI to the CLP Regulation: P

EC 918-668-5

INDEX

Reg. no. 01-2119455851-35

The full wording of hazard (H) phrases is given in section 16 of the sheet.

SECTION 4. First aid measures

4.1. Description of first aid measures

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention immediately. Wash contaminated clothing before using it again.

INHALATION: Remove to open air. If the subject stops breathing, administer artificial respiration. Get medical advice/attention immediately. INGESTION: Get medical advice/attention immediately. Do not induce vomiting. Do not administer anything not explicitly authorised by a doctor.

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

Specific information on symptoms and effects caused by the product are unknown.

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

Information not available

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

Extinguishing substances are: carbon dioxide, foam, chemical powder. For product loss or leakage that has not caught fire, water spray can be used to disperse flammable vapours and protect those trying to stem the leak.

UNSUITABLE EXTINGUISHING EQUIPMENT

Do not use jets of water. Water is not effective for putting out fires but can be used to cool containers exposed to flames to prevent explosions.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Excess pressure may form in containers exposed to fire at a risk of explosion. Do not breathe combustion products.

5.3. Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency



Revision nr.1 Dated 18/12/2018 First compilation Printed on 24/06/2019 Page n. 4 / 12

SECTION 6. Accidental release measures/>>

procedures.

Send away individuals who are not suitably equipped. Use explosion-proof equipment. Eliminate all sources of ignition (cigarettes, flames, sparks, etc.) from the leakage site.

6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters. Without adequate ventilation, vapours may accumulate at ground level and, if ignited, catch fire even at a distance, with the danger of backfire. Avoid bunching of electrostatic charges. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat. Avoid leakage of the product into the environment.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store in a well ventilated place, keep far away from sources of heat, naked flames and sparks and other sources of ignition. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory References:

DEU	Deutschland	TRGS 900 (Fassung 31.1.2018 ber.) - Liste der Arbeitsplatzgrenzwerte und Kurzzeitwerte
ESP	España	INSHT - Límites de exposición profesional para agentes químicos en España 2017
FRA	France	JORF n°0109 du 10 mai 2012 page 8773 texte n° 102
GBR	United Kingdom	EH40/2005 Workplace exposure limits
HUN	Magyarország	50/2011. (XII. 22.) NGM rendelet a munkahelyek kémiai biztonságáról
ITA	Italia	Decreto Legislativo 9 Aprile 2008, n.81
NLD	Nederland	Databank of the social and Economic Concil of Netherlands (SER) Values, AF 2011:18
POL	Polska	ROZPORZĄDZENIE MINISTRA PRACY I POLITYKI SPOŁECZNEJ z dnia 7 czerwca 2017 r
ROU	România	Monitorul Oficial al României 44; 2012-01-19
EU	OEL EU	Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC;
		Directive 2004/37/EC; Directive 2000/39/EC; Directive 91/322/EEC.
	TLV-ACGIH	ACGIH 2018



Revision nr.1 Dated 18/12/2018 First compilation Printed on 24/06/2019 Page n. 5 / 12

SECTION 8. Exposure controls/personal protection .../

hreshold Limit						E, m-XYLENE AN			
Type	Country	TWA/8h		STEL/15	min				
	<u> </u>	mg/m3	ppm	mg/m3	ppm				
AGW	DEU	440	100	880	200	SKIN			
VLA	ESP	221	50	442	100	SKIN			
VLEP	FRA	221	50	442	100	SKIN			
WEL	GBR	220	50	441	100				
VLEP	ITA	221	50	442	100	SKIN			
OEL	EU	221	50	442	100	SKIN			
TLV-ACGIH		434	100	651	150				
Predicted no-effect concentration - PNEC									
Normal value in fresh water							0,25	mg/l	
Normal value in marine water								mg/l	
Normal value for marine water sediment 14,33 mg								mg/kg	
Normal value 1	for the terresti	Normal value for the terrestrial compartment 2,41 mg/kg							

				N-BUTY	L ACETAT	E		
Threshold Limit \	Value							
Type	Country	TWA/8h		STEL/15r	STEL/15min			
		mg/m3	ppm	mg/m3	ppm			
AGW	DEU	300	62	600	124			
VLA	ESP	724	150	965	200			
VLEP	FRA	710	150	940	200			
WEL	GBR	724	150	966	200			
AK	HUN	950		950				
OEL	NLD	150						
NDS	POL	240		720				
TLV	ROU	715	150	950	200			
TLV-ACGIH			50		150			

SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM						
Threshold Limit Value						
Type	Country	TWA/8h	STEL/15min			
		mg/m3	ppm	mg/m3	ppm	
OEL	EU	100	20			

Leaend

(C) = CEILING; INHAL = Inhalable Fraction; RESP = Respirable Fraction; THORA = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified.

8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

Exposure levels must be kept as low as possible to avoid significant build-up in the organism. Manage personal protective equipment so as to guarantee maximum protection (e.g. reduction in replacement times).

HAND PROTECTION

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use. Recommended material:

fluorinated rubber

Nitrile rubber

Recommended material thickness: ≥ 0.2 mm

SKIN PROTECTION

Wear category II professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

Consider the appropriateness of providing antistatic clothing in the case of working environments in which there is a risk of explosion. EYE PROTECTION

Wear airtight protective goggles (see standard EN 166).

RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of



Revision nr.1 Dated 18/12/2018 First compilation Printed on 24/06/2019 Page n. 6 / 12

SECTION 8. Exposure controls/personal protection .../

gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required. Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

°C

Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance Colour colourless characteristic Odour Odour threshold Not available Not available Melting point / freezing point Not available Initial boiling point 120 °C: Boiling range Not available 23 ≤ T ≤ 60 Flash point

Evaporation Rate Not available Flammability of solids and gases Not available Lower inflammability limit 1,1 % (V/V) Upper inflammability limit % (V/V) 7.5 Lower explosive limit Not available Upper explosive limit Not available Vapour pressure 10,7 mmHg Vapour density Not available

Relative density 0,97

Solubility Not miscible or difficult to mix with water.

Partition coefficient: n-octanol/water

Auto-ignition temperature

Decomposition temperature

Not available

Not available

Viscosity >20,5 mm2/sec (40°C)

Explosive properties Not available Oxidising properties Not available

9.2. Other information

Total solids (250°C / 482°F) 0,17 %

VOC (Directive 2010/75/EC): 19,83 % - 192,30 g/litre VOC (volatile carbon): 13,37 % - 129,74 g/litre

SECTION 10. Stability and reactivity

10.1. Reactivity

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

N-BUTYL ACETATE

Decomposes on contact with: water.

10.2. Chemical stability

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions

The vapours may also form explosive mixtures with the air.

N-BUTYL ACETATE

Risk of explosion on contact with: strong oxidising agents. May react dangerously with: alkaline hydroxides, potassium tert-butoxide. Forms



Revision nr.1 Dated 18/12/2018 First compilation Printed on 24/06/2019 Page n. 7 / 12

SECTION 10. Stability and reactivity .../>>

explosive mixtures with: air.

10.4. Conditions to avoid

Avoid overheating. Avoid bunching of electrostatic charges. Avoid all sources of ignition.

N-BUTYL ACETATE

Avoid exposure to: moisture, sources of heat, naked flames.

10.5. Incompatible materials

N-BUTYL ACETATE

Incompatible with: water, nitrates, strong oxidants, acids, alkalis, zinc.

10.6. Hazardous decomposition products

In the event of thermal decomposition or fire, gases and vapours that are potentially dangerous to health may be released.

SECTION 11. Toxicological information

11.1. Information on toxicological effects

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

N-BUTYL ACETATE

WORKERS: inhalation; contact with the skin.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

N-BUTYL ACETATE

In humans, the substance's vapours cause irritation of the eyes and nose. In the event of repeated exposure, skin irritation, dermatitis (dryness and cracking of the skin) and keratitis appear.

Interactive effects

N-BUTYL ACETATE

A case of acute intoxication been reported involving a 33 year old worker while cleaning a tank with a preparation containing xylenes, butyl acetate and ethylene glycol acetate. The person had irritation of the conjunctiva and upper respiratory tract, drowsiness and motor coordination disorders, which disappeared within 5 hours. The symptoms are attributed to poisoning by mixed xylenes and butyl acetate, with a possible synergistic effect responsible for the neurological effects. Cases of vacuolar keratitis are reported in workers exposed to a mixture of butyl acetate and isobutanol vapours, but with uncertainty concerning the responsibility of a particular solvent (INRC, 2011).

ACUTE TOXICITY

LC50 (Inhalation) of the mixture: 11.58 mg/l

LD50 (Oral) of the mixture: Not classified (no significant component)

LD50 (Dermal) of the mixture: >2000 mg/kg

N-BUTYL ACETATE

 LD50 (Oral)
 > 6400 mg/kg Rat

 LD50 (Dermal)
 > 5000 mg/kg Rabbit

 LC50 (Inhalation)
 21,1 mg/l/4h Rat

SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM

 LD50 (Oral)
 > 8 mg/kg ratto

 LD50 (Dermal)
 > 3160 mg/kg ratto

 LC50 (Inhalation)
 > 6193 mg/l/4h ratto

XYLENE (REACTIVE MIXTURE OF ETHYLBENZENE, m-XYLENE AND p-XYLENE)

 LD50 (Oral)
 3523 mg/kg Rat

 LD50 (Dermal)
 12126 mg/kg Rabbit

 LC50 (Inhalation)
 27,124 mg/l/4h Rat



Revision nr.1 Dated 18/12/2018 First compilation Printed on 24/06/2019 Page n. 8 / 12

SECTION 11. Toxicological information/>

SKIN CORROSION / IRRITATION

Causes skin irritation

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye irritation

RESPIRATORY OR SKIN SENSITISATION

Sensitising for the skin

Sensitising for the respiratory system

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

STOT - SINGLE EXPOSURE

May cause respiratory irritation

STOT - REPEATED EXPOSURE

May cause damage to organs

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class Viscosity: >20,5 mm2/sec (40°C)

SECTION 12. Ecological information

This product is dangerous for the environment and the aquatic organisms. In the long term, it have negative effects on aquatic environment.

12.1. Toxicity

SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM

LC50 - for Fish 9,2 mg/l/96h oncorhynchus mykiss EC50 - for Algae / Aquatic Plants 3,2 mg/l/48h daphnia magna

12.2. Persistence and degradability

POLY (HEXAMETHYLENE DIISOCYANATE)

Solubility in water 0,1 - 100 mg/l

Degradability: information not available

N-BUTYL ACETATE

Solubility in water 1000 - 10000 mg/l

SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM

Rapidly degradable

XYLENE (REACTIVE MIXTURE OF ETHYLBENZENE, m-XYLENE AND p-XYLENE)

Solubility in water > 100 mg/l

12.3. Bioaccumulative potential



Revision nr.1 Dated 18/12/2018 First compilation Printed on 24/06/2019 Page n. 9 / 12

SECTION 12. Ecological information .../>>

POLY (HEXAMETHYLENE DIISOCYANATE)

Partition coefficient: n-octanol/water 5,54 BCF 367,7

N-BUTYL ACETATE

Partition coefficient: n-octanol/water 2,3 BCF 15,3

XYLENE (REACTIVE MIXTURE OF ETHYLBENZENE, m-XYLENE AND p-XYLENE)

BCF 25,9

12.4. Mobility in soil

POLY (HEXAMETHYLENE DIISOCYANATE)

Partition coefficient: soil/water 7,3

N-BUTYL ACETATE

Partition coefficient: soil/water < 3

SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM Partition coefficient: soil/water 1,78

12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

12.6. Other adverse effects

Information not available

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Waste transportation may be subject to ADR restrictions.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information

14.1. UN number

ADR / RID, IMDG, IATA: 1263

14.2. UN proper shipping name

ADR / RID: PAINT OF PAINT RELATED MATERIAL IMDG: PAINT OF PAINT RELATED MATERIAL IATA: PAINT OF PAINT RELATED MATERIAL

ΕN



Dated 18/12/2018 First compilation Printed on 24/06/2019 Page n. 10 / 12

Tunnel restriction code: (D/E)

Quick Start Primer Activator

SECTION 14. Transport information

14.3. Transport hazard class(es)

ADR / RID:

Class: 3

Label: 3

IMDG:

Class: 3

Label: 3

IATA:

Class: 3

Label: 3



14.4. Packing group

ADR / RID, IMDG, IATA:

14.5. Environmental hazards

ADR / RID: IMDG: NO IATA: NO

14.6. Special precautions for user

ADR / RID: HIN - Kemler: 30

Special Provision: -

IMDG: EMS: F-E, <u>S-E</u>

IATA:

Cargo: Pass.: Special Instructions: Limited Quantities: 5 L Maximum quantity: 220 L Maximum quantity: 60 L A3, A72, A192

Limited Quantities: 5 L

Packaging instructions: 366 Packaging instructions: 355

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Information not relevant

SECTION 15. Regulatory information

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

Seveso Category - Directive 2012/18/EC:

P₅c

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

Product

Point 3 - 40

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage greater than 0,1%.

Substances subject to authorisation (Annex XIV REACH)

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

Substances subject to the Rotterdam Convention:

Substances subject to the Stockholm Convention:

None

Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.



Revision nr.1
Dated 18/12/2018
First compilation
Printed on 24/06/2019
Page n. 11 / 12

SECTION 15. Regulatory information .../>>

15.2. Chemical safety assessment

No chemical safety assessment has been processed for the mixture and the substances it contains.

SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Flam. Liq. 3 Flammable liquid, category 3
Acute Tox. 4 Acute toxicity, category 4
Asp. Tox. 1 Aspiration hazard, category 1

STOT RE 2 Specific target organ toxicity - repeated exposure, category 2

Eye Irrit. 2 Eye irritation, category 2 Skin Irrit. 2 Skin irritation, category 2

STOT SE 3 Specific target organ toxicity - single exposure, category 3

Resp. Sens. 1 Respiratory sensitization, category 1
Skin Sens. 1 Skin sensitization, category 1

Aquatic Chronic 2 Hazardous to the aquatic environment, chronic toxicity, category 2 Aquatic Chronic 3 Hazardous to the aquatic environment, chronic toxicity, category 3

H226 Flammable liquid and vapour.
H312 Harmful in contact with skin.
H332 Harmful if inhaled.

H304 May be fatal if swallowed and enters airways.

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

H319 Causes serious eye irritation.
H315 Causes skin irritation.

H335 May cause respiratory irritation.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H317 May cause an allergic skin reaction.
 H336 May cause drowsiness or dizziness.
 H411 Toxic to aquatic life with long lasting effects.
 H412 Harmful to aquatic life with long lasting effects.

EUH066 Repeated exposure may cause skin dryness or cracking. **EUH204** Contains isocyanates. May produce an allergic reaction.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).



Revision nr.1 Dated 18/12/2018 First compilation Printed on 24/06/2019 Page n. 12 / 12

SECTION 16. Other information .../>>

- 1. Regulation (EC) 1907/2006 (REACH) of the European Parliament2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
- 3. Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament
- 4. Regulation (EU) 2015/830 of the European Parliament
- 5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
- 6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
- 7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
- 8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
- 9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
- 10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament 11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
- 12. Regulation (EU) 2016/1179 (IX Atp. CLP)
- 13. Regulation (EU) 2017/776 (X Atp. CLP)
- The Merck Index. 10th Edition
- Handling Chemical Safety
- INRS Fiche Toxicologique (toxicological sheet)
- Patty Industrial Hygiene and Toxicology
- N.I. Sax Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA website
- Database of SDS models for chemicals Ministry of Health and ISS (Istituto Superiore di Sanità) Italy

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses. Provide appointed staff with adequate training on how to use chemical products.

Changes to previous review: The following sections were modified: 02 / 11 / 12 / 15 / 16.