

BITUPRIMER

Revision nr.8 Dated 01/03/2022 Printed on 01/03/2022 Page n. 1 / 12 Replaced revision:7 (Dated 03/09/2020) ΕN

Safety Data Sheet

According to Annex II to REACH - Regulation 2020/878 and to Annex II to UK REACH

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

1.1. Product identifier

Product name

BITUPRIMER

UFI :

8KE0-70D5-H00M-CT1M

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

Intended use

ASPHALT BASED INSULATING MIXTURE.

1.3. Details of the supplier of the safety data sheet

NORDIA S.A. 364 Kifisias Av. 15233 Chalandri - Greece Phone: +30 22950 22225 - Fax: +30 22950 22120 info@marmoline.gr www.marmoline.gr

1.4. Emergency telephone number

For urgent inquiries refer to

(0030) 2105589400 (0030) 2107793777

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 2020/878. 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.
Specific target organ toxicity - single exposure,	H336	May cause drowsiness or dizziness.
category 3		

2.2. Label elements

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

Hazard pictograms:



.

Signal words: Warning Hazard statements: H226 Flammable liquid and vapour. H336 May cause drowsiness or dizziness. EUH066 Repeated exposure may cause skin dryness or cracking. Precautionary statements: If medical advice is needed, have product container or label at hand. P101 P102 Keep out of reach of children. P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

@EPY 11.1.2 - SDS 1004.14



BITUPRIMER

Revision nr.8 Dated 01/03/2022 Printed on 01/03/2022 Page n. 2 / 12 Replaced revision:7 (Dated 03/09/2020) ΕN

SECTION 2. Hazards identification .../>

ations.

Contains: HYDROCARBONS, C9-C11, n-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS

Product not intended for uses provided for by Directive 2004/42/EC.

2.3. Other hazards

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

The product does not contain substances with endocrine disrupting properties in concentration \geq 0.1%.

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

Classification (EC) 1272/2008 (CLP) Identification x = Conc. % HYDROCARBONS, C9-C11, n-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS Flam. Liq. 3 H226, Asp. Tox. 1 H304, STOT SE 3 H336, EUH066 CAS 64742-48-9 $20 \le x < 25$ EC 919-857-5 INDEX REACH Reg. 01-2119463258-33-XXXX Reaction mass of ethylbenzene and m-xylene and p-xylene Flam. Liq. 3 H226, Acute Tox. 4 H312, Acute Tox. 4 H332, Asp. Tox. 1 H304, CAS $8 \le x < 9$ STOT RE 2 H373, Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335,

EC 905-562-9 INDEX REACH Reg. 01-2119488216-32-XXXX

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.

CLP Regulation: C

Aquatic Chronic 3 H412, Classification note according to Annex VI to the

STA Dermal: 1100 mg/kg, LC50 Inhalation vapours: >10 mg/l/4h

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



BITUPRIMER

ΕN

SECTION 5. Firefighting measures .../>>

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 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 13.

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 cool and 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

NORDIA S.A. BITUPRIMER

Revision nr.8 Dated 01/03/2022 Printed on 01/03/2022 Page n. 4 / 12 Replaced revision:7 (Dated 03/09/2020)

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory References:

BGR	Былария	НАРЕДБА № 13 ОТ 30 ДЕКЕМВРИ 2003 Г. ЗА ЗАЩИТА НА РАБОТЕЩИТЕ ОТ РИСКОВЕ, СВЪРЗАНИ С ЕКСПОЗИЦИЯ НА ХИМИЧНИ АТЕНТИ ПРИ РАБОТА (ком. ДВ. бр.5 от 17 Янди 2020.)
CZE	Česká Republika	Nalízení vlády i. 41/2020 Sb. Nalízení vlády, kterým se miní nalízení vlády i. 361/2007 Sb., kterým se stanoví podmínky ochrany zdraví pi práci, ve zniní pozdijších piedpisi
DEU	Deutschland	Technischen Regeln für Gefahrstoffe (TRGS 900) - Liste der Arbeitsplatzgrenzwerte und Kurzzeitwerte. MAK- und BAT-Werte-Liste 2020, Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe, Mitteilung 56
FRA	France	Valeurs limites d'exposition professionnelle aux agents chimiques en France. ED 984 - INRS
GRC	Ελλάδα	Π.Δ. 26/2020 (ΦΕΚ 50/Α` 6.3.2020) Επρόπη τι άλητις προς τ Ισύχ των
		κήφώι 2017/2398/EE, 2019/130/EE κ 2019/983/EE «κι η τροτοτογη ης κήρς 2004/37/ΕΚ ''ορκά με η τηροτοδα τωγηράρωνι από τος πόδιος που ανδοια μτη έδαη ος κρικρέκος ή μαθήριος παφησις καί η φασί''»
HUN	Magyarország	Az innovációért és technológiáért felelős miniszter 5/2020. (II. 6.) ITM rendelete a kémiai kóroki tényezők hatásának kitett munkavállalók egészségének és biztonságának védelméről
HRV	Hrvatska	Pravilnik o izmjenama i dopunama Pravilnika o zaštiti radnika od izloženosti opasnimkemikalijama na radu, graničnim vrijednostima izloženosti i biološkim graničnim vrijednostima (NN 1/2021)
SVK	Slovensko	NARIADENIE VLÁDY Slovenskej republiky z 12. augusta 2020, ktorým sa mení a dopa nariadenie vlády Slovenskej republiky č. 356/2006 Z. z. o ochrane zdravia zamestnancov pred rizikami súvisiacimi s expozíciou karcinogénnym a mutagénnym faktorom pri práci v znení neskorších predpisov
GBR	United Kingdom	EH40/2005 Workplace exposure limits (Fourth Edition 2020)
EU	OEL EU	Directive (EU) 2019/1831; Directive (EU) 2019/130; Directive (EU) 2019/983; 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 98/24/EC; Directive 91/322/EEC.
	TLV-ACGIH	ACGIH 2021

	н	YDROCARBO	NS, C9-C1	1, n-ALKANES	S, ISOALKANE	ES, CYCLICS, <2	% AROMATIC	S	
Threshold Limit	Value								
Туре	Country	y TWA/8h				Remarks / O	bservations		
		mg/m3	ppm						
OEL	EU	1200							
Health - Derived	no-effect l	evel - DNEL /	DMEL						
	E	Effects on cons	umers			Effects on wor	kers		
Route of expos			ute stemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				VND	300				
					mg/kg/d				
Inhalation				VND	900 mg/m3	VND	1500 mg/m3		
Skin				VND	300 mg/kg/d			VND	300 mg/kg/d



BITUPRIMER

mg/m3

mg/kg/d

180

ma/m3

VND

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

Reaction mass of ethylbenzene and m-xylene and p-xylene

Threshold Limit	Value								
Туре	Countr	y TWA	/8h			Remarks / O	bservations		
		mg/m	n3 ppm						
TLV	BGR	221		442		SKIN			
TLV	CZE	200		400		SKIN			
AGW	DEU	440	100	880	200	SKIN			
MAK	DEU	440	100	880	200	SKIN			
VLEP	FRA	221	50	442	100	SKIN			
TLV	GRC	435	100	650	150	SKIN			
AK	HUN	221		442		SKIN			
GVI/KGVI	HRV	221	50	442	100	SKIN			
NPEL	SVK	221	50	442		SKIN			
WEL	GBR	220	50	441	100				
OEL	EU	221	50	442	100	SKIN			
TLV-ACGIH		434	100	651	150				
Health - Derived	no-effect l	evel - DNE	L/DMEL						
	E	Effects on co	onsumers			Effects on wor	kers		
Route of expos	sure A	Acute	Acute	Chronic	Chronic	Acute local	Acute	Chronic	Chronic
	le	ocal	systemic	local	systemic		systemic	local	systemic
Oral				VND	1,6 mg/kg/d				
Inhalation	1	74	174	VND	14,8	289	289	VND	77

mg/m3

mg/kg/d

108

mg/m3

Legend:

Skin

(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.

VND

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.

mg/m3

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

HAND PROTECTION

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

mg/m3

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.

SKIN PROTECTION

Wear category I professional long-sleeved overalls and safety footwear (see Regulation 2016/425 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 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.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value
Appearance	liquid
Colour	black

Information

NORDIA

NORDIA S.A.

BITUPRIMER

SECTION 9. Physical and chemical properties .../>>

Odour

Odour threshold Melting point / freezing point Initial boiling point Flammability Lower explosive limit Upper explosive limit Flash point Auto-ignition temperature pH

Kinematic viscosity Dynamic viscosity Solubility Partition coefficient: n-octanol/water Vapour pressure Density and/or relative density Relative vapour density Particle characteristics

Not determined Not available Not available Not available Not available $23 \le T \le 60$ °C Not available Not available

characteristic

Not available 120KU insoluble in water Not available 0,90-0,95 g/cm3 Not available Not applicable Reason for missing data:substance/mixture is non-polar/aprotic (eg: an organic solvent mixture)

Revision nr 8

Dated 01/03/2022

Printed on 01/03/2022 Page n. 6 / 12

Replaced revision 7 (Dated 03/09/2020)

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Information not available

9.2.2. Other safety characteristics

Information not available

SECTION 10. Stability and reactivity

10.1. Reactivity

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

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.

10.4. Conditions to avoid

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

10.5. Incompatible materials

Information not available

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

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification. It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

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

Metabolism, toxicokinetics, mechanism of action and other information

Information not available



BITUPRIMER

Revision nr 8 Dated 01/03/2022 Printed on 01/03/2022 Page n. 7/12 Replaced revision 7 (Dated 03/09/2020)

SECTION 11. Toxicological information .../>> Information on likely routes of exposure. Information not available Delayed and immediate effects as well as chronic effects from short and long-term exposure Information not available Interactive effects Information not available ACUTE TOXICITY ATE (Inhalation - vapours) of the mixture: > 20 mg/l ATE (Oral) of the mixture: Not classified (no significant component) ATE (Dermal) of the mixture: >2000 mg/kg HYDROCARBONS, C9-C11, n-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS LD50 (Dermal): > 5000 mg/kg Rabbit > 5000 mg/kg Rat LD50 (Oral): LC50 (Inhalation vapours): > 20 mg/l/4h Rat Reaction mass of ethylbenzene and m-xylene and p-xylene STA (Dermal): 1100 mg/kg estimate from table 3.1.2 of Annex I of the CLP (figure used for calculation of the acute toxicity estimate of the mixture) LD50 (Oral): > 2000 mg/kg Rat > 10 mg/l/4h Rat LC50 (Inhalation vapours): SKIN CORROSION / IRRITATION Repeated exposure may cause skin dryness or cracking. SERIOUS EYE DAMAGE / IRRITATION Does not meet the classification criteria for this hazard class **RESPIRATORY OR SKIN SENSITISATION** Does not meet the classification criteria for this hazard class Respiratory sensitization Information not available Skin sensitization Information not available 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 Adverse effects on sexual function and fertility Information not available Adverse effects on development of the offspring Information not available



BITUPRIMER

Revision nr.8 Dated 01/03/2022 Printed on 01/03/2022 Page n. 8 / 12 Replaced revision:7 (Dated 03/09/2020)

SECTION 11. Toxicological information .../>>

Effects on or via lactation

Information not available

STOT - SINGLE EXPOSURE

May cause drowsiness or dizziness

Target organs

Information not available

Route of exposure

Information not available

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

Target organs

Information not available

Route of exposure

Information not available

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

11.2. Information on other hazards

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.

SECTION 12. Ecological information

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

12.1. Toxicity

Reaction mass of ethylbenzene and m-xylene and p	o-xylene
LC50 - for Fish	> 1 mg/l/96h
EC50 - for Crustacea	> 1 mg/l/48h
EC50 - for Algae / Aquatic Plants	> 1 mg/l/72h
Chronic NOEC for Fish	> 1 mg/l based on test data
Chronic NOEC for Crustacea	> 0,1 mg/l
HYDROCARBONS, C9-C11, n-ALKANES, ISOALK	ANES, CYCLICS, <2% AROMATICS
HYDROCARBONS, C9-C11, n-ALKANES, ISOALK LC50 - for Fish	ANES, CYCLICS, <2% AROMATICS > 100 mg/l/96h
, , , ,	
LC50 - for Fish	> 100 mg/l/96h
LC50 - for Fish EC50 - for Crustacea	> 100 mg/l/96h > 100 mg/l/48h
LC50 - for Fish EC50 - for Crustacea EC50 - for Algae / Aquatic Plants	> 100 mg/l/96h > 100 mg/l/48h > 100 mg/l/72h

12.2. Persistence and degradability

Reaction mass of ethylbenzene and m-xylene and p-xylene Rapidly degradable

HYDROCARBONS, C9-C11, n-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS Rapidly degradable

12.3. Bioaccumulative potential



BITUPRIMER

Revision nr.8 Dated 01/03/2022 Printed on 01/03/2022 Page n. 9 / 12 Replaced revision:7 (Dated 03/09/2020)

SECTION 12. Ecological information .../>>

Reaction mass of ethylbenzene and m-xylene and p-xylene Partition coefficient: n-octanol/water 3,12

HYDROCARBONS, C9-C11, n-ALKANES, ISOALKANES, CYCLICS, <2% AROMATICS Partition coefficient: n-octanol/water 5

12.4. Mobility in soil

Information not available

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 \geq than 0,1%.

12.6. Endocrine disrupting properties

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.

12.7. 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 or ID number

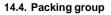
ADR / RID, IMDG, IATA: 1263

14.2. UN proper shipping name

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

14.3. Transport hazard class(es)

ADR / RID:	Class: 3	Label: 3
IMDG:	Class: 3	Label: 3
IATA:	Class: 3	Label: 3



ADR / RID, IMDG, IATA: III



BITUPRIMER

Revision nr.8 Dated 01/03/2022 Printed on 01/03/2022 Page n. 10 / 12 Replaced revision:7 (Dated 03/09/2020) ΕN

SECTION 14. Transport information .../>>

14.5. Environmental hazards

ADR / RID:	NO
IMDG:	NO
IATA:	NO

14.6. Special precautions for user

ADR /	RID:
IMDG:	

IATA:

Special provision: 163, 367, 650 EMS: F-E, <u>S-E</u> Cargo: Pass.: Special provision:

HIN - Kemler: 30

Limited Quantities: 5 L

Limited Quantities: 5 L Maximum quantity: 220 L Maximum quantity: 60 L A3, A72, A192 Tunnel restriction code: (D/E)

Packaging instructions: 366 Packaging instructions: 355

14.7. Maritime transport in bulk according to IMO instruments

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/EU:

P5c

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

3 - 40

Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors Not applicable

<u>Substances in Candidate List (Art. 59 REACH)</u> On the basis of available data, the product does not contain any SVHC in percentage \geq than 0,1%.

Substances subject to authorisation (Annex XIV REACH) None

Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012:

None

Product

Point

Substances subject to the Rotterdam Convention:

None

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.

15.2. Chemical safety assessment

A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

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
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic toxicity, category 3
H226	Flammable liquid and vapour.

NORDIA

BITUPRIMER

Revision nr.8 Dated 01/03/2022 Printed on 01/03/2022 Page n. 11 / 12 Replaced revision:7 (Dated 03/09/2020)

SECTION 16. Other information .../>>

H312 H332 H304 H373 H319 H315 H335 H336 H412 EUH066	 Harmful in contact with skin. Harmful if inhaled. May be fatal if swallowed and enters airways. May cause damage to organs through prolonged or repeated exposure. Causes serious eye irritation. Causes skin irritation. May cause respiratory irritation. May cause drowsiness or dizziness. Harmful to aquatic life with long lasting effects. Repeated exposure may cause skin dryness or cracking.
--	--

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 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: 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: Regulation (EC) 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: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

- 1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
- 2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
- 3. Regulation (EU) 2020/878 (II Annex of REACH Regulation)
- 4. Regulation (EC) 790/2009 (I Atp. CLP) 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)
- 14. Regulation (EU) 2018/669 (XI Atp. CLP)
- 15. Regulation (EU) 2019/521 (XII Atp. CLP)
- 16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)
- 17. Regulation (EU) 2019/1148
- 18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
- 19. Delegated Regulation (UE) 2020/1182 (XV Atp. CLP)
- 20. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP)
- 21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)

- The Merck Index. - 10th Edition

- Handling Chemical Safety
- INRS Fiche Toxicologique (toxicological sheet)



BITUPRIMER

Revision nr.8 Dated 01/03/2022 Printed on 01/03/2022 Page n. 12 / 12 Replaced revision:7 (Dated 03/09/2020)

SECTION 16. Other information .../>>

- 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.

CALCULATION METHODS FOR CLASSIFICATION

Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.

Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.

Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12.

Changes to previous review: The following sections were modified:

02/03/08/09/11/12/14/15/16.