

# TECHNICAL DATA SHEET



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

#### 1.1. Product identifier

Code: **35340000099** 

Product name BULLET ROOF DPM PRIMER comp. A

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

Intended use Polyamine formulation

1.3. Details of the supplier of the safety data sheet

Name Full address

District and Country

e-mail address of the competent person responsible for the Safety Data Sheet

1.4. Emergency telephone number

For urgent inquiries refer to

Bullet Building Products Barbot hall industrial estate, Mangham Road, Rortherham.

S614RJ

Tel. 01709 28150

sales@bulletbp.co.uk

Suics@builetsp.co.uk

www.bulletbuildingproducts.co.uk

# **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 2015/830.

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:

Serious eye damage, category 1 H318 Causes serious eye damage.
Skin irritation, category 2 H315 Causes skin irritation.
Skin sensitization, category 1A H317 May cause an allergic skin reaction.
Hazardous to the aquatic environment, chronic H412 Harmful to aquatic life with long lasting effects.

toxicity, category 3

# 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:

H318 Causes serious eye damage.
H315 Causes skin irritation.

**H317** May cause an allergic skin reaction.

**H412** Harmful to aquatic life with long lasting effects.

# SECTION 2. Hazards identification .../>>

**EUH071** Corrosive to the respiratory tract.

**EUH208** Contains: M-PHENYLENEBIS (METHYLAMINE)

May produce an allergic reaction.

Precautionary statements:

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

**P280** Wear protective gloves / eye protection / face protection.

P310 Immediately call a POISON CENTER.

P261 Avoid breathing dust / fume / gas / mist / vapours / spray.

P264 Wash thoroughly after handling.

P362+P364 Take off contaminated clothing and wash it before reuse.

Contains: 2,4,6-TRIS[(DIMETHYLAMINO)METHYL]PHENOL POLYMER WITH (CHLOROMETHYL)OXIRANE

FORMALDEHYDE POLYMER WITH

N1-(2-AMINOETHYL)-N2-[2-[(2-AMINOETHYL)AMINO]ETHYL]-1,2-ETHANEDIAMINE,

2,2'-[1,4-BUTANEDIYLBIS(OXYMETHYL)

3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMINE

3,6,9-TRIAZAUNDECAMETHYLENEDIAMINE; TETRAETHYLENEPENTAMINE

## VOC (Directive 2004/42/EC):

Two-pack performance coatings.

VOC given in g/litre of product in a ready-to-use condition: 25,44 Limit value: 140,00

- Catalysed with: 100,00 % BULLET ROOF DPM PRIMER comp. B

- Thinned with : 15,00 % WATER

# 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**

### 3.1. Substances

Information not relevant

#### 3.2. Mixtures

Contains:

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

2,4,6-TRIS[(DIMETHYLAMINO)METHYL]PHENOL POLYMER WITH (CHLOROMETHYL)OXIRANE

Acute Tox. 4 H302, Eye Dam. 1 H318 955016-13-4 5≤x< 9 CAS

639-499-0 EC

INDEX MICA

CAS 12001-26-2 5≤x<9

**STOT RE 2 H373** 

EC 601-648-2

INDFX

**POLYAMINE ADDUCT** 

Aquatic Chronic 2 H411 CAS  $5 \le x < 9$ 

EC INDFX

FORMALDEHYDE POLYMER WITH N1-(2-AMINOETHYL)-N2-[2-[(2-AMINOETHYL)AMINO]ETHYL]-1,2-ETHANEDIAMINE,

2,2'-[1,4-BUTANEDIYLBIS(OXYMETHYL)

Skin Sens. 1 H317, Aquatic Chronic 2 H411 CAS 180583-06-6  $2,5 \le x < 3$ 

EC

**INDEX** 

3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMINE

CAS 2855-13-2 1 ≤ x < 1,5 Acute Tox. 4 H302, Acute Tox. 4 H312, Skin Corr. 1B H314, Eye Dam. 1 H318,

Skin Sens. 1 H317, Aquatic Chronic 3 H412

FC 220-666-8 INDFX 612-067-00-9

**SECTION 3. Composition/information on ingredients** 

01-2119514687-32 Rea. no. M-PHENYLENEBIS (METHYLAMINE)

CAS 1477-55-0 Acute Tox. 4 H302. Acute Tox. 4 H332. Skin Corr. 1B H314. Eve Dam. 1 H318.  $0.89 \le x < 1$ 

Skin Sens. 1 H317, Aquatic Chronic 3 H412, EUH071

EC 216-032-5

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Reg. no. 01-2119480150-50

3,6,9-TRIAZAUNDECAMETHYLENEDIAMINE; TETRAETHYLENEPENTAMINE

112-57-2 Acute Tox. 4 H302, Acute Tox. 4 H312, Skin Corr. 1B H314, Eye Dam. 1 H318,  $0.15 \le x < 0.2$ CAS

Skin Sens. 1A H317, Aquatic Chronic 2 H411

203-986-2 FC

INDFX 612-060-00-0

**AMMONIA** 

CAS 1336-21-6  $0 \le x < 0.05$ Skin Corr. 1B H314, Eye Dam. 1 H318, STOT SE 3 H335, Aquatic Acute 1 H400 M=1,

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

EC 215-647-6 INDEX 007-001-01-2 Reg. no. 01-2119488876-14

**FORMALDEHYDE** 

CAS 50-00-0  $0 \le x < 0.05$ Carc. 1B H350, Muta. 2 H341, Acute Tox. 3 H301, Acute Tox. 3 H311,

Acute Tox. 3 H331, Skin Corr. 1B H314, Eye Dam. 1 H318, STOT SE 3 H335,

Skin Sens. 1 H317.

Classification note according to Annex VI to the CLP Regulation: B D

EC 200-001-8 INDFX 605-001-00-5 01-2119488953-20 Reg. no.

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 30-60 minutes, opening the eyelids fully. Get

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

INGESTION: Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.

INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

#### 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

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

#### 5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE 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

# 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.

#### 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

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.

# 7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. 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 - Seite 1 von 69 (Fassung 29.03.2019)- Liste der Arbeitsplatzgrenzwerte und
ESP	España	Kurzzeitwerte LÍMITES DE EXPOSICIÓN PROFESIONAL PARA AGENTES QUÍMICOS EN ESPAÑA 2019 (INSST)
FIN	Suomi	NTP-VÄRDEN 2018. Koncentrationer som befunnits skadliga. SOCIAL- OCH HÄLSOVÅRDSMINISTERIETS PUBLIKATIONER 10/2018
FRA	France	Valeurs limites d'exposition professionnelle aux agents chimiques en France. ED 984 - INRS
GBR	United Kingdom	EH40/2005 Workplace exposure limits (Third edition, published 2018)
ITA	Italia	DIRETTIVA (UE) 2017/164 DELLA COMMISSIONE del 31 gennaio 2017
POL	Polska	ROZPORZĄDZĖNIE MINISTRA RODZINY, PRACY I POLITYKI SPOŁECZNEJ z dnia 12 czerwca 2018 r
ROU	România	HOTĂRÂRE nr. 584 din 2 august 2018 pentru modificarea Hotărârii Guvernului nr. 1.218/2006 privind stabilirea cerințelor minime de securitate și sănătate în muncă pentru asigurarea protecției lucrătorilor împotriva riscurilor legate de prezența agenților chimici
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 2019

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

M-PHENYLENEBIS (METHYLAMINE)						
Threshold Limit Value						
Type	Country	TWA/8h		STEL/15min	Remarks / Observations	
		mg/m3	ppm	mg/m3 ppm		
TLV-ACGIH				0,018 (C)	SKIN	

AMMONIA								
Threshold Limit Value								
Type	Country	TWA/8h		STEL/15	min	Remarks / Observations		
		mg/m3	ppm	mg/m3	ppm			
VLEP	ITA	14	20	36	50			
OEL	EU	14	20	36	50			
TLV-ACGIH		17	25	24	35			

FORMALDEHYDE								
Threshold Limit Value								
Туре	Country	TWA/8h		STEL/15	min	Remarks / Observations		
		mg/m3	ppm	mg/m3	ppm			
AGW	DEU	0,37	0,3	0,74	0,6			
VLA	ESP	0,37	0,3	0,74	0,6			
HTP	FIN	0,37	0,3	1,2 (C)	1 (C)			
VLEP	FRA		0,5		1			
WEL	GBR	2,5	2	2,5	2			
NDS/NDSCh	POL	0,37		0,74		SKIN		
TLV	ROU	1,2	1	3	2			
OEL	EU	0,37	0,3	0,74	0,6			
TLV-ACGIH			0,1		0,3 (C)			

Legend:

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

#### **B.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.

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.

SKIN PROTECTION

Wear category II 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.

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.

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

Properties		Value	Information
Appearance		dense liquid	
Colour		white	
Odour		ammoniacal	
Odour threshold		Not available	
pH		11	
Melting point / freezing point		Not available	
Initial boiling point		100 °C	
Boiling range		Not available	
Flash point	>	100 °C	
Evaporation Rate		Not available	
Flammability of solids and gases		not applicable	
Lower inflammability limit		Not available	
Upper inflammability limit		Not available	
Lower explosive limit		Not available	
Upper explosive limit		Not available	
Vapour pressure		Not available	
Vapour density		Not available	
Relative density		1,6 g/cm3	Temperature:20°C
Solubility		partially soluble in water	
Partition coefficient: n-octanol/water		Not applicable	
Auto-ignition temperature		Not available	
Decomposition temperature		Not available	
Viscosity		50000 mPa*s	Temperature:20°C
Explosive properties		not expected	
Oxidising properties		not expected	

# 9.2. Other information

Total solids (250°C / 482°F) 68,54 %

VOC (Directive 2004/42/EC): 1,55 % - 24,78 g/litre VOC (volatile carbon): < 0.01 % - 0,01 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.

#### **AMMONIA**

Corrodes: aluminium,iron,zinc,copper,copper alloys.

#### **FORMALDEHYDE**

Decomposes under the effect of heat.

Acqueous solutions are stabilised with methanol but tend to polymerise over time.

#### 10.2. Chemical stability

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

#### 10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

#### AMMONIA

Risk of explosion on contact with: strong acids,iodine.May react dangerously with: strong bases.

#### **FORMALDEHYDE**

Risk of explosion on contact with: nitromethane,nitrogen dioxide,hydrogen peroxide,phenoles,performic acid,nitric acid.May polymerise on contact with: strong oxidising agents,alkalis.May react dangerously with: hydrochloric acid,magnesium carbonate,sodium hydroxide,perchloric acid,aniline.Forms explosive mixtures with: air.

#### 10.4. Conditions to avoid

None in particular. However the usual precautions used for chemical products should be respected.

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

#### **FORMALDEHYDE**

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

#### 10.5. Incompatible materials

#### **AMMONIA**

Incompatible with: silver,silver salts,lead,lead salts,zinc,zinc salts,hydrochloric acid,nitric acid,oleum,halogens,acrolein,nitromethane,acrylic acid.

# **FORMALDEHYDE**

Incompatible with: acids,alkalis,ammonia,tannin,strong oxidants,phenoles,copper salts,silver,iron.

### 10.6. Hazardous decomposition products

#### **AMMONIA**

May develop: nitric oxide.

#### FORMALDEHYDE

When heated to decomposition releases: methanol,carbon monoxide.

# **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 toxicological effects

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

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

LC50 (Inhalation) of the mixture: Not classified (no significant component)

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

Corrosive to the respiratory tract.

2,4,6-TRIS[(DIMETHYLAMINO)METHYL]PHENOL POLYMER WITH (CHLOROMETHYL)OXIRANE

LD50 (Oral) > 500 mg/kg

3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMINE

 LD50 (Oral)
 1030 mg/kg Rat, OECD Guideline 401

 LD50 (Dermal)
 > 2000 mg/kg Rat, OECD Guideline 402

 LC50 (Inhalation)
 > 5,01 mg/l/4h Rat, OECD Guideline 403

AMMONIA

LD50 (Oral) 350 mg/kg Rat

M-PHENYLENEBIS (METHYLAMINE)

LD50 (Oral) > 200 mg/kg Rat - Sprague-Dawley

 LD50 (Dermal)
 3100 mg/kg Rat

 LC50 (Inhalation)
 1,34 mg/l Rat - Wistar

FORMALDEHYDE

 LD50 (Oral)
 100 mg/kg Rat

 LD50 (Dermal)
 270 mg/kg Rabbit

 LC50 (Inhalation)
 0,588 mg/l/4h Rat

#### SECTION 11. Toxicological information .../>>

#### SKIN CORROSION / IRRITATION

Causes skin irritation

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye damage

RESPIRATORY OR SKIN SENSITISATION

Sensitising for the skin

May produce an allergic reaction.

Contains

M-PHENYLENEBIS (METHYLAMINE)

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

Does not meet the classification criteria for this hazard class

# STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

#### MICA

The substance has this effect only by inhalation. If it is suspended in a liquid matrix the effect does not occur.

Route of exposure MICA Inhalation

#### ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

# **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

#### 3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMINE

LC50 - for Fish

110 mg/l/96h EU Method C.1, Leuciscus idus
EC50 - for Crustacea

23 mg/l/48h OECD Guideline 202, Daphnia magna
EC50 - for Algae / Aquatic Plants

37 mg/l/72h EU Method C.3, Desmodesmus subspicatus

**AMMONIA** 

LC50 - for Fish 47 mg/l/96h Channa punctata EC50 - for Crustacea 20 mg/l/48h Daphnia magna

M-PHENYLENEBIS (METHYLAMINE)

LC50 - for Fish 87,6 mg/l/96h Oryzias latipes EC50 - for Crustacea 15,2 mg/l/48h Daphnia magna

EC50 - for Algae / Aquatic Plants 20,3 mg/l/72h Pseudokirchnerella subcapitata

#### 12.2. Persistence and degradability

#### SECTION 12. Ecological information .../>>

**AMMONIA** 

Degradability: information not available

M-PHENYLENEBIS (METHYLAMINE)

Solubility in water 1000 - 10000 mg/l

Rapidly degradable

**FORMALDEHYDE** 

Solubility in water 55000 mg/l

Rapidly degradable

#### 12.3. Bioaccumulative potential

M-PHENYLENEBIS (METHYLAMINE)

Partition coefficient: n-octanol/water 0,18

FORMALDEHYDE

Partition coefficient: n-octanol/water 0,35 BCF < 1

#### 12.4. Mobility in soil

**FORMALDEHYDE** 

Partition coefficient: soil/water

#### 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%.

1,202

#### 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.

CONTAMINATED PACKAGING

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

# **SECTION 14. Transport information**

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

#### 14.1. UN number

Not applicable

#### 14.2. UN proper shipping name

Not applicable

# 14.3. Transport hazard class(es)

Not applicable

# 14.4. Packing group

Not applicable

# **SECTION 14. Transport information** .../>>

# 14.5. Environmental hazards

Not applicable

#### 14.6. Special precautions for user

Not applicable

# 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: None

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

Product

Point 3

Contained substance

Point 28-72 FORMALDEHYDE

Reg. no.: 01-2119488953-20

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)

None

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

None

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.

VOC (Directive 2004/42/EC):

Two-pack performance coatings.

#### 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:

Carc. 1B Carcinogenicity, category 1B

Muta. 2 Germ cell mutagenicity, category 2

Acute Tox. 3 Acute toxicity, category 3
Acute Tox. 4 Acute toxicity, category 4

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

Skin Corr. 1B Skin corrosion, category 1B
Eye Dam. 1 Serious eye damage, category 1
Skin Irrit. 2 Skin irritation, category 2

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

Skin Sens. 1 Skin sensitization, category 1
Skin Sens. 1A Skin sensitization, category 1A

**Aquatic Acute 1** Hazardous to the aquatic environment, acute toxicity, category 1 **Aquatic Chronic 2** Hazardous to the aquatic environment, chronic toxicity, category 2

# SECTION 16. Other information .../>>

H350 May cause cancer.

**H341** Suspected of causing genetic defects.

H301 Toxic if swallowed.H311 Toxic in contact with skin.H331 Toxic if inhaled.

H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H332 Harmful if inhaled.

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

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage. H315 Causes skin irritation.

H335 May cause respiratory irritation.
 H317 May cause an allergic skin reaction.
 H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

**EUH071** Corrosive to the respiratory tract.

#### 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).

#### **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) 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)
- 14. Regulation (EU) 2018/669 (XI Atp. CLP)
- 15. Regulation (EU) 2018/1480 (XIII Atp. CLP)
- 16. Regulation (EU) 2019/521 (XII 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.

Product's classification is based on the calculation methods set out in Annex I of the CLP Regulation, unless otherwise indicated in sections 11 and 12.

The data for evaluation of chemical-physical properties are reported in section 9.