

BOSTIK ARDAGRIP XTREM PART B
 Supersedes Date: 13-Aug-2019

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

1.1. Product Identifier

Product Name BOSTIK ARDAGRIP XTREM PART B
Pure substance/mixture Mixture

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

Recommended use Hardener.
Uses advised against None known.

1.3. Details of the supplier of the safety data sheet

Company Name

Bostik GmbH
 An der Bundesstrasse 16
 33829 Borgholzhausen, Germany
 Tel: +49 (0) 5425 / 801 0
 Fax: +49 (0) 5425 / 801 140

E-mail address SDS.box-EU@bostik.com

1.4. Emergency telephone number

Emergency Telephone No information available

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Acute toxicity - Oral	Category 4 - (H302)
Skin corrosion/irritation	Category 1 Sub-category B - (H314)
Serious eye damage/eye irritation	Category 1 - (H318)
Skin sensitisation	Category 1A - (H317)
Reproductive toxicity	Category 2 - (H361)
Acute aquatic toxicity	Category 1 - (H400)
Chronic aquatic toxicity	Category 1 - (H410)

2.2. Label Elements

Contains: Isophorone diamine, Amides, from C8-10-fatty acids and tetraethylenepentamine, 4-tert-Butylphenol, 1,3-Benzenedimethanamine, 3-(Triethoxysilyl) propylamine



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Signal word

DANGER

Hazard statements

H302 - Harmful if swallowed
H314 - Causes severe skin burns and eye damage
H317 - May cause an allergic skin reaction
H410 - Very toxic to aquatic life with long lasting effects
H361f - Suspected of damaging fertility

Precautionary statements

P201 - Obtain special instructions before use
P260 - Do not breathe mist/vapours/spray
P273 - Avoid release to the environment
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor
P310 - Immediately call a POISON CENTER or doctor
P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing
P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P405 - Store locked up
P501 - Dispose of contents/ container to an approved waste disposal plant
P101 - If medical advice is needed, have product container or label at hand

Additional information

This product requires tactile warnings if supplied to the general public. This product requires child resistant fastenings if supplied to the general public. Please refer also to Safety Data Sheet of Part A.

2.3. Other Hazards

No information available

PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB

SECTION 3: Composition/information on ingredients

3.1 Substances

Mixture

Mixtures

Chemical name	EC No.	CAS No.	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	REACH Registration Number
Isophorone diamine	220-666-8	2855-13-2	>25 - <40	Acute Tox. 4 (H302) Acute Tox. 4 (H312) Skin Corr. 1B (H314) Eye Dam. 1 (H318) Skin Sens. 1 (H317) Aquatic Chronic		01-2119514687-32-XXXX

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				3 (H412)	
Benzyl alcohol	202-859-9	100-51-6	>25 - <40	Acute Tox. 4 (H302) Acute Tox. 4 (H332) Eye Irrit. 2 (H319)	01-2119492630-38-XXXX
Amides, from C8-10-fatty acids and tetraethylenepentamine	285-080-7	85029-55-6	10 - <20	Skin Corr. 1C (H314) Eye Dam. 1 (H318) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	01-2120629109-55-XXXX
4-tert-Butylphenol	202-679-0	98-54-4	5 - <10	Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Repr. 2 (H361f) Aquatic Chronic 1 (H410)	01-2119489419-21-XXXX
Paraformaldehyde, polymeric reaction products with 4-tert-butylphenol, m-phenylenbis(methylamine) and trimethylhexane-1,6-diamine	-	UNKNOWN	1 - <5	Skin Corr. 1B (H314) Skin Sens. 1 (H317) Aquatic Chronic 3 (H412)	No data available
1,3-Benzenedimethanamine	216-032-5	1477-55-0	1 - <5	Skin Corr. 1B (H314) Skin Sens. 1B (H317) Acute Tox. 4 (H302) Acute Tox. 4 (H332) Aquatic Chronic 3 (H412) (EUH071)	01-2119480150-50-XXXX
Benzyl dimethylamine	203-149-1	103-83-3	1 - <3	Acute Tox. 4 (H302) Acute Tox. 4 (H312) Acute Tox. 3 (H331) Skin Corr. 1B (H314) Aquatic Chronic 3 (H412) Flam. Liq. 3 (H226)	01-2119529232-48-XXXX
1,6-Hexanediamine, 2,2,4(or 2,4,4)-trimethyl-	247-063-2	25513-64-8	1 - <2.5	Skin Corr. 1A (H314)	01-2119560598-25-xxxx

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				Skin Sens. 1 (H317) Acute Tox. 4 (H302)		
Phenol, styrenated	262-975-0	61788-44-1	1 - <2.5	Skin Irrit. 2 (H315) Skin Sens. 1 A (H317) Aquatic Chronic 2 (H411)		01-2119980970-27-XXXX
3-(Triethoxysilyl) propylamine	213-048-4	919-30-2	0.1- <1	Skin Corr. 1B (H314) Skin Sens. 1 (H317) Acute Tox. 4 (H302)		01-2119480479-24-XXXX

Full text of H- and EUH-phrases: see section 16

Note: ^ indicates not classified, however, the substance is listed in section 3 as it has an OEL

This product contains one or more candidate substance(s) of very high concern (Regulation (EC) No. 1907/2006 (REACH), Article 59)

Chemical name	CAS No.	SVHC candidates
4-tert-Butylphenol	98-54-4	X

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice	Take off contaminated clothing and shoes immediately. If medical advice is needed, have product container or label at hand. Take a copy of the Safety Data Sheet when going for medical treatment.
Inhalation	IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention immediately if symptoms occur.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Consult an ophthalmologist.
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get immediate medical advice/attention.
Ingestion	Do NOT induce vomiting. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Get immediate medical advice/attention.
Self-protection of the first aider	Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

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

Symptoms Burning sensation. Itching. Rashes. Hives.

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

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Note to doctors Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Dry chemical, CO₂, alcohol-resistant foam or water spray.

Unsuitable extinguishing media Full water jet.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical Thermal decomposition can lead to release of irritating and toxic gases and vapours. Do not allow run-off from fire-fighting to enter drains or water courses.

Hazardous combustion products Carbon monoxide. Carbon dioxide (CO₂). Nitrogen oxides (NO_x). Ammonia.

5.3. Advice for firefighters

Special protective equipment for fire-fighters Wear self-contained breathing apparatus and protective suit.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation. Do not breathe vapour or mist. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.

Other information Refer to protective measures listed in Sections 7 and 8.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions Prevent product from entering drains. Do not allow to enter into soil/subsoil.

6.3. Methods and material for containment and cleaning up

Methods for containment Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

Methods for cleaning up Take up mechanically, placing in appropriate containers for disposal.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling Ensure adequate ventilation. Use with local exhaust ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Use personal protection equipment. Avoid contact with skin, eyes or clothing. Please refer also to Safety Data Sheet of Part A.

General hygiene considerations Keep away from food, drink and animal feedingstuffs. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the

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product. Take off all contaminated clothing and wash it before reuse. Contaminated work clothing should not be allowed out of the workplace.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up.

7.3. Specific end use(s)

Specific Use(s)

Hardener.

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

Other information Observe technical data sheet.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Exposure Limits

Only European Community Occupational Exposure Limits will be shown in this document. Please refer to regional SDS for further information.

Derived No Effect Level (DNEL) No information available

Derived No Effect Level (DNEL)	
Benzyl alcohol (100-51-6)	
Type	worker Long term Systemic health effects
Exposure route	Inhalation
Derived No Effect Level (DNEL)	22 mg/m ³

Type	worker Short term Systemic health effects
Exposure route	Inhalation
Derived No Effect Level (DNEL)	110 mg/m ³

Type	worker Long term Systemic health effects
Exposure route	Dermal
Derived No Effect Level (DNEL)	8 mg/kg bw/d

Type	worker Short term Systemic health effects
Exposure route	Dermal
Derived No Effect Level (DNEL)	40 mg/kg bw/d

3-(Triethoxysilyl) propylamine (919-30-2)	
Type	worker Long term Systemic health effects
Exposure route	Inhalation
Derived No Effect Level (DNEL)	59 mg/m ³

Type	worker Short term Systemic health effects
Exposure route	Inhalation
Derived No Effect Level (DNEL)	59 mg/m ³

Type	worker Long term Systemic health effects
Exposure route	Dermal
Derived No Effect Level (DNEL)	8.3 mg/kg bw/d

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Type	worker Short term Systemic health effects
Exposure route	Dermal
Derived No Effect Level (DNEL)	8.3 mg/kg bw/d

Derived No Effect Level (DNEL)	
Benzyl alcohol (100-51-6)	
Type	Consumer Long term Systemic health effects
Exposure route	Inhalation
Derived No Effect Level (DNEL)	5.4 mg/m ³

Type	Consumer Short term Systemic health effects
Exposure route	Inhalation
Derived No Effect Level (DNEL)	27 mg/m ³

Type	Consumer Long term Systemic health effects
Exposure route	Dermal
Derived No Effect Level (DNEL)	4 mg/kg bw/d

Type	Consumer Short term Systemic health effects
Exposure route	Dermal
Derived No Effect Level (DNEL)	20 mg/kg bw/d

Type	Consumer Long term Systemic health effects
Exposure route	Oral
Derived No Effect Level (DNEL)	4 mg/kg bw/d

Type	Consumer Short term Systemic health effects
Exposure route	Oral
Derived No Effect Level (DNEL)	20 mg/kg bw/d

Predicted No Effect Concentration (PNEC) No information available.

Predicted No Effect Concentration (PNEC)	
Benzyl alcohol (100-51-6)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	1 mg/l
Marine water	0.1 mg/l
Microorganisms in sewage treatment	39 mg/l
Freshwater sediment	5.27 mg/kg dry weight
Marine sediment	0.527 mg/kg dry weight
Soil	0.456 mg/kg dry weight
Freshwater - intermittent	2,3 mg/l

3-(Triethoxysilyl) propylamine (919-30-2)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	0.33 mg/l
Marine water	0.033 mg/l

8.2. Exposure controls

Engineering controls Provide local exhaust ventilation. Please refer also to Safety Data Sheet of Part A.

Personal Protective Equipment

Eye/face protection
Hand protection

Goggles. Face protection shield. Eye protection must conform to standard EN 166
Wear suitable gloves. Gloves must conform to standard EN 374. Recommended Use: Nitrile rubber. Butyl rubber. Ensure that the breakthrough time of the glove material is not

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Skin and body protection Respiratory protection

exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. The breakthrough time for the mentioned glove material is in general greater than 120 min. Unsuitable gloves materials: Leather. Disposable gloves.
Suitable protective clothing.
In case of insufficient ventilation, wear suitable respiratory equipment. During spraying wear suitable respiratory equipment. Wear a respirator conforming to EN 140 with Type A/P2 filter or better.

Recommended filter type:

Brown. White.

Environmental exposure controls Do not allow uncontrolled discharge of product into the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Appearance	No information available
Colour	Amber
Odour	Amine
Odour threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No data available	
Melting point / freezing point	No data available	
Boiling point / boiling range	205 °C	
Flash point	101 °C	CC (closed cup)
Evaporation rate	No data available	
Flammability (solid, gas)	No data available	
Flammability Limit in Air		
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapour pressure	No data available	
Vapour density	No data available	
Relative density	1 - 20	@ 20 °C
Water solubility	No data available	
Solubility(ies)	No data available	
Partition coefficient	No data available	
Autoignition temperature	435 °C	
Decomposition temperature	No data available	
Kinematic viscosity	No data available	
Dynamic viscosity	No data available	
Explosive properties	No data available	
Oxidising properties	No data available	

9.2. Other information

Solid content (%)	No information available
Softening Point	No information available
Molecular weight	No information available
VOC Content (%)	No information available
Density	No information available
Bulk density	No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity Stable under recommended storage conditions.

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10.2. Chemical stability

Stability Stable under normal conditions.

Explosion Data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid None known based on information supplied.

10.5. Incompatible materials

Incompatible materials Oxidising agent. Acids. Bases.

10.6. Hazardous decomposition products

Hazardous decomposition products Ammonia. Amines. Thermal decomposition can lead to release of toxic/corrosive gases and vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Information on likely routes of exposure

Product Information

Inhalation Based on available data, the classification criteria are not met.

Eye contact Causes serious eye damage.

Skin contact Causes severe burns.

Ingestion Harmful if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Redness. Burning. May cause blindness. Coughing and/ or wheezing. Itching. Rashes. Hives.

Numerical measures of toxicity

Acute Toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 1,760.70 mg/kg

ATEmix (dermal) 2,718.10 mg/kg

ATEmix (inhalation-dust/mist) 5.30 mg/l

ATEmix (inhalation-vapour) 77.40 mg/l

Component Information

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Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Isophorone diamine 2855-13-2	=1040 mg/kg (Rattus)	LD50 > 2000 mg/kg (Rattus) OECD 402 LD50 = 1840 mg/kg (Oryctolagus cuniculus)	
Benzyl alcohol 100-51-6	LD50 = 1620 mg/kg (Rattus)	= 2 g/kg (Oryctolagus cuniculus)	>4.17 mg/L (Rattus) 4 h
Amides, from C8-10-fatty acids and tetraethylenepentamine 85029-55-6	LD50 > 2000 mg/ kg (Rattus)		
4-tert-Butylphenol 98-54-4	=4000 mg/kg (Rattus)	LD50 >5000 mg/kg (Oryctolagus cuniculus) OECD 402	
1,3-Benzenedimethanamine 1477-55-0	=930 mg/kg (Rattus)	> 2 g/kg (Oryctolagus cuniculus)	LC50 (4h) = 1.34 mg/L (Rattus) OECD 403
Benzyl dimethylamine 103-83-3	=579 mg/kg (Rattus)	= 1.66 mL/kg (Oryctolagus cuniculus) = 1660 mg/kg (Oryctolagus cuniculus)	LC50 (4h) =2.052 mg/L (Rattus)
1,6-Hexanediamine, 2,2,4(or 2,4,4)-trimethyl- 25513-64-8	DL50 =910 mg/kg (Rattus)		
Phenol, styrenated 61788-44-1	LD50 > 2000 mg/kg (Rattus) OECD 423	LD50 > 2000 mg/kg (Rattus) OECD 402	>2.5 mg/L (Rattus) 6 h
3-(Triethoxysilyl) propylamine 919-30-2	LD50 = 1490 mg/kg (Rat, female) EPA OTS 798.1175	LD50 = 4075 mg/kg (Oryctolagus cuniculus) EPA OTS 798.1100	LC50 >144 mg/L (6h) Rat (Vapour)

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

Skin corrosion/irritation Causes severe burns.

Serious eye damage/eye irritation Causes serious eye damage.

Respiratory or skin sensitisation May cause an allergic skin reaction.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Contains a known or suspected reproductive toxin.

The table below indicates ingredients above the cut-off threshold considered as relevant which are listed as reproductive toxins.

Chemical name	European Union
4-tert-Butylphenol 98-54-4	Repr. 2

STOT - single exposure Based on available data, the classification criteria are not met.

STOT - repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

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SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity

Very toxic to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Toxicity to Micro-organisms	Crustacea	M-Factor
Isophorone diamine 2855-13-2	EC50: =37mg/L (72h, <i>Desmodesmus subspicatus</i>)	LC50: =110mg/L (96h, <i>Leuciscus idus</i>)	-	EC50: =42mg/L (24h, <i>Daphnia magna</i>) EC50: 14.6 - 21.5mg/L (48h, <i>Daphnia magna</i>)	-
Benzyl alcohol 100-51-6	EC 50 (72h) = 700 mg/L (<i>Pseudokirchnerella subcapitata</i>) OECD 201	LC50 96 h = 460 mg/L (<i>Pimephales promelas</i> static)	EC50 = 50 mg/L 5 min EC50 = 63.7 mg/L 15 min EC50 = 63.7 mg/L 5 min EC50 = 71.4 mg/L 30 min	EC50 48 h = 230 mg/L (<i>Daphnia magna</i>)	-
Amides, from C8-10-fatty acids and tetraethylenepentamine 85029-55-6	EC50 (72) = 0.538 mg/l (<i>Pseudokirchnerella subcapitata</i>) OECD Guideline 201	LC50 (96h) = 0.19 mg/l (<i>Danio rerio</i>) OECD Guideline 203	-	EC50 (48h) = 3.58 mg/l (<i>Daphnia magna</i>) OECD Guideline 202	-
4-tert-Butylphenol 98-54-4	EC50: =11.2mg/L (72h, <i>Desmodesmus subspicatus</i>)	LC50: =6.9mg/L (96h, <i>Cyprinus carpio</i>) LC50: 4.71 - 5.62mg/L (96h, <i>Pimephales promelas</i>)	-	EC50: 3.4 - 4.5mg/L (48h, <i>Daphnia magna</i>) EC50: =3.9mg/L (48h, <i>Daphnia magna</i>)	-
1,3-Benzenedimethanamine 1477-55-0	EC50 (72h) = 20.3 mg/L (<i>Pseudokirchnerella subcapitata</i>) OECD 201	LC50 (96h) =87.6 mg/L (<i>Oryzias latipes</i>) Semi-static (OECD 203)	-	EC50 (48h) =15.2 mg/L (<i>Daphnia magna</i>) Static (OECD 202)	-
Benzylidimethylamine 103-83-3	-	LC50: 35.8 - 39.9mg/L (96h, <i>Pimephales promelas</i>)	-	-	-
Phenol, styrenated 61788-44-1	EL50 (72h) = 3.14 mg/L (<i>Desmodesmus subspicatus</i>) OECD 201	LL50 (96h) = 14.8 mg/L (<i>Danio rerio</i>) OECD 203	-	EL50 (48h) = 17 mg/L (<i>Daphnia magna</i>) OECD 202	-
3-(Triethoxysilyl)propylamine 919-30-2	EC50 (72h) >1000 mg/L Green algae (<i>desmodesmus subspicatus</i>) (OECD TG 201)	LC50 (96h) >934 mg/L (<i>Brachydanio rerio</i>) (OECD TG 203)	-	EC50 (48h) =331 mg/L <i>Daphnia magna</i> (OECD TG 202)	-

12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation There is no data for this product.

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Component Information

Chemical name	Partition coefficient	Bioconcentration factor (BCF)
Isophorone diamine 2855-13-2	0.79	-
Benzyl alcohol 100-51-6	1.1	-
Amides, from C8-10-fatty acids and tetraethylenepentamine 85029-55-6	2.2	-
4-tert-Butylphenol 98-54-4	2.44	240
1,3-Benzenedimethanamine 1477-55-0	0.18	3.16
Phenol, styrenated 61788-44-1	4	-
3-(Triethoxysilyl) propylamine 919-30-2	1.7	3.4

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment No information available.

Chemical name	PBT and vPvB assessment
Isophorone diamine 2855-13-2	The substance is not PBT / vPvB
Benzyl alcohol 100-51-6	The substance is not PBT / vPvB
Amides, from C8-10-fatty acids and tetraethylenepentamine 85029-55-6	The substance is not PBT / vPvB
4-tert-Butylphenol 98-54-4	The substance is not PBT / vPvB PBT assessment does not apply
1,3-Benzenedimethanamine 1477-55-0	The substance is not PBT / vPvB
Benzyl dimethylamine 103-83-3	The substance is not PBT / vPvB
1,6-Hexanediamine, 2,2,4(or 2,4,4)-trimethyl- 25513-64-8	The substance is not PBT / vPvB
Phenol, styrenated 61788-44-1	The substance is not PBT / vPvB
3-(Triethoxysilyl) propylamine 919-30-2	The substance is not PBT / vPvB

12.6. Other adverse effects

Other adverse effects No information available.

Endocrine Disruptor Information

Chemical name	EU - Endocrine Disruptors Candidate List	EU - Endocrine Disruptors - Evaluated Substances
4-tert-Butylphenol	Group II Chemical	-

SECTION 13: Disposal considerations

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13.1. Waste treatment methods

Waste from residues/unused products	Uncured product should be disposed of as hazardous waste. Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable.
Contaminated packaging	Do not reuse empty containers. Handle contaminated packages in the same way as the product itself.
European Waste Catalogue	08 04 09* waste adhesives and sealants containing organic solvents or other dangerous substances
Other information	Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1 UN Number	UN2735
14.2 Proper Shipping Name	Amines, liquid, corrosive, n.o.s (Isophorone diamine, Paraformaldehyde, polymeric reaction products with 4-tert-butylphenol, m- phenylenbis(methylamine) and trimethylhexane- 1,6- diamine), Environmentally Hazardous
14.3 Transport hazard class(es)	8
Labels	8
14.4 Packing Group	II
Description	UN2735, Amines, liquid, corrosive, n.o.s (Isophorone diamine, Paraformaldehyde, polymeric reaction products with 4-tert-butylphenol, m- phenylenbis(methylamine) and trimethylhexane- 1,6- diamine), 8, II, (E), Environmentally Hazardous
14.5 Environmental hazards	Yes
14.6 Special Provisions	274
Classification Code	C7
Tunnel restriction code	(E)
Limited Quantity (LQ)	1 L
ADR Hazard Id (Kemmler Number)	80

IMDG

14.1 UN number	UN2735
14.2 Proper Shipping Name	Amines, liquid, corrosive, n.o.s (Isophorone diamine, Amides, from C8-10-fatty acids and tetraethylenepentamine), Marine Pollutant
14.3 Transport hazard class(es)	8
14.4 Packing group	II
Description	UN2735, Amines, liquid, corrosive, n.o.s (Isophorone diamine, Amides, from C8-10-fatty acids and tetraethylenepentamine), 8, II, Marine Pollutant
14.5 Marine Pollutant	P
14.6 Special Provisions	274
Limited Quantity (LQ)	1 L
EmS-No.	F-A, S-B
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No information available

Air transport (ICAO-TI / IATA-DGR)

14.1 UN number	UN2735
14.2 Proper Shipping Name	Amines, liquid, corrosive, n.o.s (Isophorone diamine, Paraformaldehyde, polymeric reaction products with 4-tert-butylphenol, m- phenylenbis(methylamine) and trimethylhexane- 1,6- diamine)
14.3 Transport hazard class(es)	8
14.4 Packing group	II
Description	UN2735, Amines, liquid, corrosive, n.o.s (Isophorone diamine, Paraformaldehyde, polymeric reaction products with 4-tert-butylphenol, m- phenylenbis(methylamine) and

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14.5 Environmental hazards trimethylhexane- 1,6- diamine), 8, II
Yes
14.6 Special Provisions A3, A803
Limited Quantity (LQ) 0.5 L
ERG Code 8L

Section 15: REGULATORY INFORMATION

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

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Check whether measures in accordance with Directive 94/33/EC for the protection of young people at work must be taken.

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006)

SVHC: Substances of Very High Concern for Authorisation:

This product contains one or more candidate substance(s) of very high concern (Regulation (EC) No. 1907/2006 (REACH), Article 59)

Chemical name	CAS No.
4-tert-Butylphenol	98-54-4

EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction

This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

Substance subject to authorisation per REACH Annex XIV

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

Dangerous substance category per Seveso Directive (2012/18/EU)

E1 - Hazardous to the Aquatic Environment in Category Acute 1 or Chronic 1

Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

Persistent Organic Pollutants

Not applicable

National Regulations

France

Occupational Illnesses (R-463-3, France)

Chemical name	French RG number
Isophorone diamine 2855-13-2	RG 49, RG 49bis, RG 66

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Benzyl alcohol 100-51-6	RG 84
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Germany

Ordinance on Industrial Safety and Health - Germany - BetrSichV
No flammable liquids in accordance with BetrSichV

Water hazard class (WGK) WGK 2

TRGS - 510 Storage Class Storage Class 8A: Combustible corrosive substances

Netherlands

List of Carcinogenic, mutagenic and reproductive toxin substances in accordance with Inspectorate SZW (Netherlands)

Chemical name	Netherlands
4-tert-Butylphenol 98-54-4	Fertility (Category 2)

15.2. Chemical safety assessment

Chemical Safety Assessments have been carried out by the Reach registrants for substances registered at >10 tpa. No Chemical Safety Assessment has been carried out for this mixture

SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3

EUH071 - Corrosive to the respiratory tract
H226 - Flammable liquid and vapour
H302 - Harmful if swallowed
H312 - Harmful in contact with skin
H314 - Causes severe skin burns and eye damage
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage
H319 - Causes serious eye irritation
H331 - Toxic if inhaled
H332 - Harmful if inhaled
H361f - Suspected of damaging fertility
H400 - Very toxic to aquatic life
H410 - Very toxic to aquatic life with long lasting effects
H411 - Toxic to aquatic life with long lasting effects
H412 - Harmful to aquatic life with long lasting effects

Legend

SVHC: Substances of Very High Concern for Authorisation:

Legend SECTION 8: Exposure controls/personal protection

TWA TWA (time-weighted average)

Ceiling Maximum limit value

PBT Persistent, Bioaccumulative, and Toxic (PBT) Chemicals

STOT RE Specific target organ toxicity - Repeated exposure

STOT SE Specific target organ toxicity - Single exposure

EWC: European Waste Catalogue

STEL

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STEL (Short Term Exposure Limit)
Skin designation

Key literature references and sources for data

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No information available

Prepared By Product Safety & Regulatory Affairs

Revision date 15-Aug-2019

Indication of changes

Revision note SDS sections updated, 2, 3, 14, 15, 16.

Training Advice When working with hazardous materials, regular training of operators is required by law

Further information No information available

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet