

This safety data sheet was created pursuant to the requirements of: Regulation of Hazardous Chemical Agents (HCA)

Revision date 29-Nov-2024 Revision Number 1

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

Product identifier

Product Name BOSTIK SUPER CONTACT ADHESIVE

Other means of identification

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended use Contact adhesives.

Restrictions on use No information available

Supplier's details

Supplier

Bostik South Africa 1 Beverley Close Montague Gardens Cape Town South Africa 7441

Tel: +27 21 555 7400

Non-Emergency Telephone Number+27 21 555 7400

E-mail address psra.za@bostik.com

Emergency telephone number

Emergency Telephone Tel: +27 21 555 7400

Restrictions on emergency number 8am - 5pm (Monday - Friday)

SECTION 2: Hazards identification

Classification of the substance or mixture

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Reproductive toxicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Category 3 Target organ effects: Narcotic effects.	
Specific target organ toxicity (repeated exposure)	Category 2
Hazardous to the aquatic environment - chronic	Category 2
Flammable liquids	Category 2

GHS Label elements, including precautionary statements

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Signal word

Danger

Hazard statements

Causes skin irritation.

Causes serious eye irritation.

Suspected of damaging fertility or the unborn child.

May cause drowsiness or dizziness.

May cause damage to organs through prolonged or repeated exposure.

Toxic to aquatic life with long lasting effects.

Highly flammable liquid and vapour.

Precautionary Statements - Prevention

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Wear protective gloves/clothing and eye/face protection.

Wash face, hands and any exposed skin thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Do not breathe dust/fume/gas/mist/vapours/spray.

Avoid release to the environment.

Ground and bond container and receiving equipment.

Use non-sparking tools.

Take action to prevent static discharges.

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

Keep container tightly closed.

Keep cool.

Use explosion-proof electrical/ ventilating/ lighting/ equipment.

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention.

Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Call a POISON CENTRE or doctor if you feel unwell.

Skin

IF ON SKIN: Wash with plenty of water and soap.

If skin irritation occurs: Get medical advice/attention.

Take off all contaminated clothing and wash it before reuse.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsinα.

If eye irritation persists: Get medical advice/attention.

Fire

In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Spill

Collect spillage.

Precautionary Statements - Storage

Store locked up.

Store in a well-ventilated place. Keep container tightly closed.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant.

Other hazards which do not result in classification

Toxic to aquatic life. In use, may form flammable/explosive vapour-air mixture.

SECTION 3: Composition/information on ingredients

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Substance

Not applicable

Mixture

Chemical name	CAS No.	Weight-%
Naphtha	64742-48-9	20 - <40
Toluene	108-88-3	20 - <40
Ethyl acetate	141-78-6	3 - <7
Cyclohexane	110-82-7	3 - <7
Hexane	110-54-3	1 - <5
Acetone	67-64-1	1 - <5
Rosin	8050-09-7	0.1 - <1
Zinc oxide	1314-13-2	0.1 - <1
Methylols	UNKNOWN	0.1 - <1

SECTION 4: First aid measures

Description of necessary first aid measures

General advice Show this safety data sheet to the doctor in attendance.

Inhalation Remove to fresh air. IF exposed or concerned: Get medical advice/attention. Get medical

attention immediately if symptoms occur.

Skin contact Wash off immediately with soap and plenty of water while removing all contaminated

clothes and shoes. Get medical attention if irritation develops and persists.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and

persists.

Ingestion Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious

person. Call a doctor.

Self-protection of the first aider Remove all sources of ignition. Ensure that medical personnel are aware of the

material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more

information. Avoid contact with skin, eyes or clothing.

Most important symptoms and effects, both acute and delayed

Symptoms May cause redness and tearing of the eyes. Burning sensation. Inhalation of high vapour

concentrations may cause symptoms like headache, dizziness, tiredness, nausea and

vomiting.

Effects of Exposure May cause adverse reproductive effects - such as birth defect, miscarriages, or infertility.

May cause damage to organs through prolonged or repeated exposure.

Indication of immediate medical attention and special treatment needed, if necessary

Note to doctorsTreat symptomatically.

SECTION 5: Firefighting measures

Suitable Extinguishing Media Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam.

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Unsuitable extinguishing media Do not scatter spilled material with high pressure water streams.

Specific hazards arising from the

chemical

Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Hazardous combustion products Carbon oxides. Hydrocarbons.

Special protective actions for

fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions Evacuate personnel to safe areas. Use personal protective equipment as required. See

section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled

material.

Environmental precautions

Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or **Environmental precautions**

spillage if safe to do so. Prevent product from entering drains.

Methods and material for containment and cleaning up

Take precautionary measures against static discharges. Dam up. Soak up with inert Methods for cleaning up

absorbent material. Pick up and transfer to properly labelled containers.

Methods for containment Stop leak if you can do it without risk. Do not touch or walk through spilled material. A

vapour suppressing foam may be used to reduce vapours. Dyke far ahead of spill to collect run-off water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later

disposal.

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

SECTION 7: Handling and storage

Precautions for safe handling

Use personal protection equipment. Avoid breathing vapours or mists. Keep away from Advice on safe handling

heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Remove contaminated clothing and shoes. Take off contaminated clothing and wash it before reuse. In case of insufficient ventilation, wear suitable respiratory

equipment.

Do not eat, drink or smoke when using this product. Contaminated work clothing should General hygiene considerations

not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the

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product. Wear suitable gloves and eye/face protection. Avoid contact with skin, eyes or clothing.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from

heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labelled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Store locked

un.

Recommended storage

temperature

Keep at temperatures between 5 and 25 °C.

Incompatible materials Strong acids. Strong bases. Strong oxidising agents.

SECTION 8: Exposure controls/personal protection

Control parameters

Occupational exposure limits

Chemical name	Occupational exposure limits	Restricted exposure limits	
Toluene	-	TWA: 40 ppm	
108-88-3		Sk*	
Ethyl acetate	-	TWA: 800 ppm	
141-78-6			
Cyclohexane	-	TWA: 200 ppm	
110-82-7			
Hexane	-	TWA: 100 ppm	
110-54-3		Sk*	
Acetone	-	TWA: 500 ppm	
67-64-1		STEL: 1000 ppm	
Zinc oxide	-	TWA: 4 mg/m³ fume, respirable	
1314-13-2		fraction	
		STEL: 20 mg/m ³ respirable fraction	

Biological occupational exposure limits

Chemical name	South Africa
Toluene	0.02 mg/L - blood (Toluene) - prior to the last shift of
108-88-3	workweek
	0.03 mg/L - urine (Toluene) - end of shift
	0.3 mg/g Creatinine - urine (o-Cresol) - end of shift
Hexane	0.4 mg/L - urine (2,5-Hexanedione) - end of shift at end of
110-54-3	workweek
Acetone	25 mg/L - urine (Acetone) - end of shift
67-64-1	

Appropriate engineering controls

Engineering controls Showers

Eyewash stations Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Tight sealing safety goggles.

Skin and body protection Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron.

Antistatic boots.

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Hand protection Wear suitable gloves. Impervious gloves.

exceeded or irritation is experienced, ventilation and evacuation may be required.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance Viscous
Physical state Liquid
Colour Yellow
Odour Solvent

Odour threshold No information available

PropertyValuesRemarks • MethodpHNo data availableNo information availableMelting point / freezing pointNo data availableNo information availableInitial boiling point and boiling61 °C / 141.8 °FNo information available

range

Flash point-22 °C / -7.6 °FNo information availableEvaporation rateNo data availableNo information availableFlammabilityNo data availableFlammable liquid

Upper/lower flammability or explosive limits

Upper flammability or explosive No data available

limits

Lower flammability or explosive No data available

limits

Vapour pressureNo data availableNo information availableRelative vapour densityNo data availableNo information availableRelative densityNo data availableNo information available

Solubility(ies)

Water solubility Insoluble in water No information available No information available Solubility in other solvents No data available No data available No information available Partition coefficient **Autoignition temperature** No data available No information available **Decomposition temperature** No data available No information available Kinematic viscosity No information available 3700 mm²/s Dynamic viscosity 3100 mPas No information available

Other information

Explosive properties No information available Oxidising properties No information available

Density 0.85 g/cm³

SECTION 10: Stability and reactivity

Reactivity No information available.

Chemical stability Stable under normal conditions.

Possibility of hazardous reactions None under normal processing.

Conditions to avoid Heat, flames and sparks.

Incompatible materials Strong acids. Strong bases. Strong oxidising agents.

Hazardous decomposition None known based on information supplied.

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products

SECTION 11: Toxicological information

Information on the likely routes of exposure

Product Information

Inhalation Specific test data for the substance or mixture is not available. May cause irritation of

respiratory tract. May cause drowsiness or dizziness.

Eye contact Specific test data for the substance or mixture is not available. Causes serious eye

irritation. (based on components). May cause redness, itching, and pain.

Skin contact Specific test data for the substance or mixture is not available. Causes skin irritation.

(based on components).

Ingestion Specific test data for the substance or mixture is not available. Ingestion may cause

gastrointestinal irritation, nausea, vomiting and diarrhoea.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Redness. May cause redness and tearing of the eyes. Inhalation of high vapour

concentrations may cause symptoms like headache, dizziness, tiredness, nausea and

vomiting.

Acute toxicity .

Numerical measures of toxicity

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

 ATEmix (oral)
 >5000 mg/kg

 ATEmix (dermal)
 >5000 mg/kg

 ATEmix (inhalation-gas)
 >20000 ppm

 ATEmix (inhalation-vapour)
 3,006.70 mg/l

 ATEmix (inhalation-dust/mist)
 >5 mg/l

Component Information

Component information			
Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Naphtha	> 6000 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	> 8500 mg/m³ (Rat) 4 h
Toluene	=5580 mg/kg (Rattus)	= 12000 mg/kg (Oryctolagus cuniculus)	>20 mg/L (Rattus) 4 h
Ethyl acetate	=5620 mg/kg (Rattus)	> 18000 mg/kg (Oryctolagus cuniculus) > 20 mL/kg (Oryctolagus cuniculus)	LC0 29.3 mg/l air
Cyclohexane	=12705 mg/kg (Rattus)	> 2000 mg/kg (Oryctolagus cuniculus)	>9500 ppm (Rattus) 4 h
Hexane	=25 g/kg (Rattus)	= 3000 mg/kg (Oryctolagus cuniculus)	=48000 ppm (Rattus) 4 h
Acetone	=5800 mg/kg (Rattus) 3000 mg/Kg (mouse)	>15800 mg/Kg (Rattus)	=79 mg/l(Rattus) 4 h
Rosin	>2000 mg/Kg (Rattus)	> 2500 mg/kg (Oryctolagus cuniculus)	=1.5 mg/L (Rattus) 4 h
Zinc oxide	>5000 mg/kg (Rattus)	LD50 >2000 mg/Kg (Rattus) (OECD 402)	LC50 (4h) >5.7 mg/l

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

Skin corrosion/irritation Classification based on data available for ingredients. Causes skin irritation.

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Toluene (108-88-3)					
Method	Species	Exposure route	Effective dose	Exposure time	Results
Regulation (EC) No.	Rabbit	Dermal			Irritant
440/2008, Annex, B.4					

Ethyl acetate (141-78-6)					
	Hexane (110-54-3)				
Method Species Exposure route Effective dose Exposure time Results					
OECD Test No. 404:	Rabbit	Dermal		24 hours	irritant
Acute Dermal					
Irritation/Corrosion					

Serious eye damage/eye irritation Classification based on data available for ingredients. Causes serious eye irritation.

Acetone (67-64-1)					
Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 405:	Rabbit	eye			irritant
Acute Eye					
Irritation/Corrosion					

Respiratory or skin sensitisation No information available.

Toluene (108-88-3)				
	Ethyl acetate (141-78-6)			
Acetone (67-64-1)				
Method Species Exposure route Results				
GPMT - Guinea pig maximisation test	Guinea pig	Dermal	Not a skin sensitiser	

Germ cell mutagenicity No information available.

Toluene (108-88-3)		
Method	Species	Results
Regulation (EC) No. 440/2008, Annex, B.13/14	Salmonella typhimurium	Not mutagenic
(Ames test)	·	
OECD Test No. 476: In Vitro Mammalian Cell	Mouse	Not mutagenic
Gene Mutation Tests using the Hprt and xprt		_
genes		

Ethyl acetate (141-78-6)			
Method	Species	Results	
OECD Test No. 474: Mammalian Erythrocyte	in vivo Hamster	Negative	
Micronucleus Test		-	
OECD Test No. 471: Bacterial Reverse	in vitro Salmonella typhimurium	Negative	
Mutation Test		_	
OECD Test No. 473: In vitro Mammalian	in vitro Hamster Ovary	Negative	
Chromosome Aberration Test	·	_	

Methylols (UNKNOWN)

Carcinogenicity

No information available.

The table below indicates whether each agency has listed any ingredient as a carcinogen

Chemical name	IARC	South Africa
Toluene	Group 3	-

Legend

IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

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Group 2B - Possibly Carcinogenic to Humans Group 3 - Not Classifiable as to Carcinogenicity in Humans

Reproductive toxicity

Classification based on data available for ingredients. Suspected of damaging fertility or

the unborn child.

Toluene (108-88-3)		
Method Species Results		
OECD 407	in vivo	Reproductive toxicant

STOT - single exposure

May cause drowsiness or dizziness.

Acetone (67-64-1)					
Method	Species	Exposure route	Effective dose	Exposure time	Results
Experiences made in					Narcotic effects
practice					

STOT - repeated exposure

May cause damage to organs through prolonged or repeated exposure.

Toluene (108-88-3)					
Method	Species	Exposure route	Effective dose	Exposure time	Results
Regulation (EC) No.	Rat, male, female	Oral		91 days	NOAEL: 625 mg/kg
440/2008, Annex, B.26					
OECD Test No. 453:	Rat, male, female	Inhalation, vapour			NOAEL: 1.131 mg/l
Combined Chronic					
Toxicity/Carcinogenicity					
Studies					

Acetone (67-64-1)					
Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 408: Repeated Dose 90-Day Oral Toxicity Study in Rodents	Rat	Oral	200-3400 mg/kg bw/d	91 days	No Observed Adverse Effect Level LOAEL 1700 mg/kg bw/d
Not specified	Rat	Inhalation	19000 ppm	14, 28, 56 days	NOAEC 19000 ppm No Observed Adverse Effect Level

Aspiration hazard

No information available.

SECTION 12: Ecological information

Ecotoxicity Toxic to aquatic life with long lasting effects.

Unknown aquatic toxicity 0 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical name	Algae/aquatic plants	Fish	Crustacea
Naphtha	-	LC50: =2200mg/L (96h,	-
		Pimephales promelas)	
Toluene	EC50 72 h = 12.5 mg/L	LC50 96 h 5.89 - 7.81 mg/L	EC50: =11.5mg/L (48h,
	(Pseudokirchneriella	(Oncorhynchus mykiss	Daphnia magna) EC50: 5.46 -
	subcapitata)	flow-through) LC50 96 h = 5.8	9.83mg/L (48h, Daphnia
		mg/L (Oncorhynchus mykiss	magna)
		semi-static)	

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Ethyl acetate	EC50: =3300mg/L (48h,	LC50: =484mg/L (96h,	EC50: =560mg/L (48h,
	Desmodesmus subspicatus)	Oncorhynchus mykiss) LC50:	Daphnia magna)
		352 - 500mg/L (96h,	
		Oncorhynchus mykiss) LC50:	
		220 - 250mg/L (96h,	
		Pimephales promelas)	
Cyclohexane	EC50 72 h > 9.3 mg/L	LC50: 23.03 - 42.07mg/L	EC50: >0.9 mg/L (24h,
	(Pseudokirchnerella	(96h, Pimephales promelas)	Daphnia magna)
	subcapitata)	LC50: 48.87 - 68.76mg/L	
		(96h, Poecilia reticulata)	
		LC50: 3.96 - 5.18mg/L (96h,	
		Pimephales promelas) LC50:	
		24.99 - 44.69mg/L (96h,	
		Lepomis macrochirus)	
Hexane	-	LC50: 2.1 - 2.98mg/L (96h,	EC50: >1000mg/L (24h,
		Pimephales promelas)	Daphnia magna)
Acetone	-	LC50 96 h 4.74 - 6.33 mL/L	EC50 48 h 10294 - 17704
		(Oncorhynchus mykiss)	mg/L (Daphnia magna Static)
Rosin	EC50: =400mg/L (72h,	LC50 (96h) >10mg/L (Danio	EC50 48 h >100 mg/L
	Desmodesmus subspicatus)	rerio)	(Daphnia magna)
Zinc oxide	LC 50 (72Hr) 0.136 mg/L	LC50 (96h) =0.7 mg/L	LC 50 (48Hr) =0.5 mg/l
	,	(Danio rerio)	(Ceriodaphnia dubia)

Persistence and degradability

No information available.

Acetone (67-64-1)

Method	Exposure time	Value	Results
OECD Test No. 301B: Ready	28 days	biodegradation	91 % Readily biodegradable
Biodegradability: CO2 Evolution Test			
(TG 301 B)			

Zinc oxide (1314-13-2)

Method	Exposure time	Value	Results
			The methods for determining
			biodegradability are not
			applicable to inorganic
			substances

Bioaccumulative potential

Component Information

Chemical name	Partition coefficient
Toluene	2.73
Ethyl acetate	0.73
Cyclohexane	3.44
Hexane	4
Acetone	-0.24
Rosin	7.7

Mobility in soil No information available.

Other adverse effects No information available.

SECTION 13: Disposal considerations

Disposal methods

Waste from residues/unused products

Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

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Contaminated packaging Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or

weld containers.

SECTION 14: Transport information

IMDG

UN number or ID number UN1133
UN proper shipping name Adhesives

Description UN1133, Adhesives (Cyclohexane), 3, II, (-22°C c.c.), Marine pollutant

Transport hazard class(es) 3
Packing group II
Marine pollutant P
EmS-No. F-E, S-D

IATA

UN number or ID number UN1133 UN proper shipping name Adhesives

Description UN1133, Adhesives, 3, II

Transport hazard class(es) 3
Packing group II
Special Provisions A3

<u>ADR</u>

UN number or ID number UN1133 UN proper shipping name Adhesives

Description UN1133, Adhesives, 3, II, (D/E), Environmentally Hazardous

Transport hazard class(es) 3
Packing group II
Classification code F1
Environmental hazards Yes
Special Provisions 640D

SECTION 15: Regulatory information

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

National regulations

South Africa - Occupational Injuries and Diseases - Chemical Agents

Chemical name	South Africa - Occupational Injuries and Diseases - Chemical Agents
Hexane - 110-54-3	Listed
Acetone - 67-64-1	Listed
Zinc oxide - 1314-13-2	Listed

International Regulations

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

Europe

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

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SVHC: Substances of Very High Concern for Authorisation:

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

Directive 2011/65/EU (EU RoHS 2), as amended by the Delegated Directive (EU) 2015/863 (EU RoHS 3)

This product does not contain Lead, Cadmium, Mercury, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-Ethylhexyl) phthalate (DEHP), Benzyl butyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP) above the regulated limit mentioned in this regulation

SECTION 16: Other information

Prepared By Product Safety & Regulatory Affairs

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Revision NoteNo information available.

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

Legend SECTION 8: Exposure controls/personal protection

TWA TWA (time-weighted average) STEL STEL (Short Term Exposure Limit)

Ceiling Maximum limit value Sk* Skin designation

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR) U.S. Environmental Protection Agency ChemView Database

European Food Safety Authority (EFSA)

Environmental Protection Agency

Acute Exposure Guideline Level(s) (AEGL(s))

U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act

U.S. Environmental Protection Agency High Production Volume Chemicals

Food Research Journal

Hazardous Substance Database

International Uniform Chemical Information Database (IUCLID)

National Institute of Technology and Evaluation (NITE)

Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)

NIOSH (National Institute for Occupational Safety and Health)

National Library of Medicine's ChemID Plus (NLM CIP)

National Library of Medicine's PubMed database (NLM PUBMED)

U.S. National Toxicology Program (NTP)

New Zealand's Chemical Classification and Information Database (CCID)

Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications

Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme

Organisation for Economic Co-operation and Development Screening Information Data Set

World Health Organization

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

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