

## ANCHORWELD 101R ROLLER BRUSH ADHESIVE Revision Number 3.01

Revision date03-Jan-2023Supersedes Date:26-Sep-2019

Section 1: Identification: Product identifier and chemical identity				
Product identifier				
Product Name	ANCHORWELD 101R ROLLER BRUSH ADHESI	VE		
<b>Product Code(s)</b> 30608505 30608505; 30608513; 30840744				
Other means of identification				
Proper Shipping Name	Adhesives			
UN number or ID number	UN1133			
Pure substance/mixture	Mixture			
Recommended use of the chemic	al and restrictions on use			
Recommended use	Contact adhesives			
Uses advised against	Consumer use			
Details of manufacturer or import	er			
Supplier Bostik Australia Pty Ltd 51-71 High Street, Thomastown Victoria Australia Tel: 613 9279-9333 Fax: 613 9279-9342				
<b>ABN:</b> 79 003 893 838				
E-mail address	au-bostik-sds@bostik.com			
Emergency telephone number Emergency telephone number	24-hr Emergency: 1800 033 111			
Section 2: Hazard(s) identification				
GHS Classification				
Flammable liquids		Category 2 - (H225)		
Aspiration hazard		Category 1 - (H304)		
Skin corrosion/irritation		Category 2 - (H315)		
Reproductive toxicity		Category 2 - (H361)		
Specific target organ toxicity (sin	gle exposure)	Category 3 - (H336)		
Sine target ergan texiony (Sin	3			

Specific target organ toxicity (repeated exposure)

Label elements

Flame

Category 2 - (H373)

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Signal word DANGER

#### Hazard statements

H225 - Highly flammable liquid and vapor
H304 - May be fatal if swallowed and enters airways
H315 - Causes skin irritation
H336 - May cause drowsiness or dizziness
H361d - Suspected of damaging the unborn child
H373 - May cause damage to organs through prolonged or repeated exposure
Repeated exposure may cause skin dryness or cracking

#### **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/vapors/spray 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 closed Keep cool **Precautionary Statements - Response** IF exposed or concerned: Get medical advice/attention IF ON SKIN: Wash with plenty of water and soap If skin irritation occurs: Get medical advice/attention Take off contaminated clothing and wash it before reuse IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower] IF INHALED: Remove person to fresh air and keep comfortable for breathing Call a doctor if you feel unwell IF SWALLOWED: Immediately call a doctor Do NOT induce vomiting In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish **Precautionary Statements - Storage** Store in well-ventilated place **Precautionary Statements - Disposal** Dispose of contents/container to an approved waste disposal plant

#### Other hazards which do not result in classification

In use, may form flammable/explosive vapor-air mixture.

#### Standard for Uniform Scheduling of Medicines and Poisons (SUSMP)

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Classified as a scheduled poison according to the Standard for Uniform Scheduling of Medicines and Poisons (SUSMP)

#### Poison Schedule Number

Label requirements in accordance with SUSMP POISON

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#### KEEP OUT OF REACH OF CHILDREN READ SAFETY DIRECTIONS BEFORE OPENING OR USING

### Section 3: Composition and information on ingredients, in accordance with Schedule 8

#### Substance

Not applicable

#### Mixture

Chemical name	CAS No	Weight-%
Toluene	108-88-3	30 - 60
2-Methylpentane	107-83-5	30 - 60
Acetone	67-64-1	0 - <10
Rosin	8050-09-7	0 - <10
Zinc oxide	1314-13-2	0 - <10
Non-hazardous ingredients	Proprietary	Balance

### Section 4: First aid measures

Emergency telephone number	Poisons Information Center, Australia: 13 11 26 Poisons Information Center, New Zealand: 0800 764 766		
Description of first aid measures			
General advice	Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.		
Inhalation	Remove to fresh air. Aspiration into lungs can produce severe lung damage. If breathing has stopped, give artificial respiration. Get medical attention immediately. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If breathing is difficult, (trained personnel should) give oxygen. Get immediate medical attention. Delayed pulmonary edema may occur.		
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.		
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.		
Ingestion	Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. ASPIRATION HAZARD IF SWALLOWED - CAN ENTER LUNGS AND CAUSE DAMAGE. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Get immediate medical attention.		
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 direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Avoid contact with skin, eyes or clothing.		
Most important symptoms and effects, both acute and delayed			
Symptoms	Difficulty in breathing. Coughing and/ or wheezing. Dizziness. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.		

Indication of any immediate medical attention and special treatment needed

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Note to physicians	Because of the danger of aspiration, emesis or gastric lavage should not be employed unless the risk is justified by the presence of additional toxic substances.		
Section 5: Firefighting measures			
Suitable Extinguishing Media			
Suitable extinguishing media	Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam.		
Unsuitable extinguishing media	No information available.		
Specific hazards arising from the c	hemical		
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-f	ighters		
Special protective equipment and precautions for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.		
Section 6: Accidental release meas	sures		
Personal precautions, protective e	quipment 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.		
Other information	Ventilate the area. Refer to protective measures listed in Sections 7 and 8.		
For emergency responders	Use personal protection recommended in Section 8.		
Environmental precautions			
Environmental precautions	Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.		
Methods and material for containment and cleaning up			
Methods for containment	Stop leak if you can do it without risk. Do not touch or walk through spilled material. A vapor suppressing foam may be used to reduce vapors. Dike far ahead of spill to collect runoff 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.		
Methods for cleaning up	Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.		
Precautions to prevent secondary hazards			
Prevention of secondary hazards	Clean contaminated objects and areas thoroughly observing environmental regulations.		

Section 7: Handling and storage, including how the chemical may be safely used

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#### Precautions for safe handling

Advice on safe handling	Use personal protection equipment. Avoid breathing vapors or mists. Keep away from 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 before reuse. In case of insufficient ventilation, wear suitable respiratory equipment.			
General hygiene considerations	Do not eat, drink or smoke when using this product. Contaminated work clothing should 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 product. Wear suitable gloves and eye/face protection.			
Conditions for safe storage, inclue	ling 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 labeled 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 up. Keep out of the reach of children. Store away from other materials. Protect from moisture.			
Recommended storage temperature	Keep at temperatures between $$ 41 and 77 °F / 5 and 25 °C.			
Incompatible materials	Strong acids. Strong bases. Strong oxidizing agents.			

This material is a scheduled poison and must be stored, maintained and used in accordance with the relevant regulations

### Section 8: Exposure controls and personal protection

### Control parameters

#### **Exposure Limits**

Chemical name	Australia
Toluene	TWA: 50 ppm
108-88-3	TWA: 191 mg/m <sup>3</sup>
	STEL: 150 ppm
	STEL: 574 mg/m <sup>3</sup>
Acetone	TWA: 500 ppm
67-64-1	TWA: 1185 mg/m <sup>3</sup>
	STEL: 1000 ppm
	STEL: 2375 mg/m <sup>3</sup>
Rosin	TWA: 0.1 mg/m <sup>3</sup>
8050-09-7	
Zinc oxide	TWA: 10 mg/m <sup>3</sup>
1314-13-2	TWA: 5 mg/m <sup>3</sup>
	STEL: 10 mg/m <sup>3</sup>

OEL as published by Safe Work Australia

#### **Biological occupational exposure limits**

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### Appropriate engineering controls

Engineering controls	Showers, eyewash stations, and ventilation systems.				
Individual protection measures, su	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.				
Hand protection	Wear suitable gloves. Impervious gloves.				
Respiratory protection	Organic gases and vapors filter conforming to EN 14387.				
Environmental exposure controls	No information available.				

### Section 9: Physical and chemical properties

### Information on basic physical and chemical properties

Physical state Appearance Color Odor Odor threshold	Liquid Liquid Clear to light yellow Solvent No information available	
Property pH pH (as aqueous solution) Melting point / freezing point Initial boiling point and boiling range Flash point Evaporation rate Flammability	Values No data available No data available No data available 56 °C -20 °C No data available Not applicable for liquids	<b>Remarks • Method</b> Not applicable Insoluble in water
Flammability Limit in Air Upper flammability or explosive limits Lower flammability or explosive limits	12.8	
Vapor pressure Relative vapor density Relative density Water solubility Solubility(ies) Partition coefficient Autoignition temperature Decomposition temperature Kinematic viscosity Dynamic viscosity Explosive properties Oxidizing properties	3.5 No data available No data available Insoluble in water No data available A65 °C No data available A65 °C No data available 900 - 1200 mPa s No information available No information available	
Other information Solid content (%) Liquid Density VOC content	approx 22 0.83 g/cm <sup>3</sup>	No information available

## Section 10: Stability and reactivity

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Reactivity			
Reactivity	No information available.		
Chemical stability			
Stability	Stable under normal conditions.		
Explosion data Sensitivity to mechanical impact	None.		
Sensitivity to static discharge	Yes.		
Possibility of hazardous reactions			
Possibility of hazardous reactions	None under normal processing.		
Conditions to avoid			
Conditions to avoid	Heat, flames and sparks. Protect from moisture.		
Incompatible materials			
Incompatible materials	Strong acids. Strong bases. Strong oxidizing agents.		
Hazardous decomposition produc	t <u>s</u>		
Hazardous decomposition products	Carbon oxides.		
Section 11: Toxicological information	tion		
Acute toxicity			
Information on likely routes of exp	osure		
Product Information			
Inhalation	Specific test data for the substance or mixture is not available. Aspiration into lungs can produce severe lung damage. May cause pulmonary edema. Pulmonary edema can be fatal. May cause irritation of respiratory tract. May cause drowsiness or dizziness.		
Eye contact	Specific test data for the substance or mixture is not available. May cause irritation.		
Skin contact	Repeated exposure may cause skin dryness or cracking. 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. Potential for aspiration if swallowed. May cause lung damage if swallowed. Aspiration may cause pulmonary edema and pneumonitis. May be fatal if swallowed and enters airways. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.		
Symptoms	Difficulty in breathing. Coughing and/ or wheezing. Dizziness. Redness. May cause redness and tearing of the eyes. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.		

Numerical measures of toxicity - Product Information

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

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#### Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50	
Toluene	=5580 mg/kg (Rattus)	= 12000 mg/kg (Oryctolagus cuniculus)	>20 mg/L (Rattus) 4 h	
2-Methylpentane	LD50 >10,000 mg/kg	-	-	
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	

See section 16 for terms and abbreviations

#### 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.

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

#### Serious eye damage/eye irritation No information available.

Component Information					
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 sensitization No information available.

Component Information				
Toluene (108-88-3)				
Method	Species	Exposure route	Results	
Regulation (EC) No. 440/2008,	Guinea pig		No sensitization responses	
Annex, B.6 (Maximization test)	_		were observed	

Acetone (67-64-1)			
Method	Species	Exposure route	Results
OECD Test No. 406: Skin Sensitization	Guinea pig	Dermal	Not a skin sensitizer

#### Germ cell mutagenicity

No information available.

Component Information				
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 Test				

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#### Carcinogenicity

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

Chemical name	Australia	European Union	IARC
Toluene			Group 3
108-88-3			-

Legend
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IARC (International Agency for Research on Cancer)

Group 3 - Not Classifiable as to Carcinogenicity in Humans

#### Reproductive toxicity

Contains a known or suspected reproductive toxin. Classification based on data available for ingredients. Suspected of damaging fertility or the unborn child.

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

#### STOT - single exposure

May cause drowsiness or dizziness. May cause respiratory irritation.

#### STOT - repeated exposure

May cause damage to organs through prolonged or repeated exposure.

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

Aspiration hazard

May be fatal if swallowed and enters airways.

### Section 12: Ecological information

#### **Ecotoxicity**

#### Aquatic ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Toluene 108-88-3	EC50 72 h = 12.5 mg/L (Pseudokirchneriella subcapitata)	LC50 96 h 5.89 - 7.81 mg/L (Oncorhynchus mykiss flow-through) LC50 96 h = 5.8 mg/L (Oncorhynchus mykiss semi-static)	EC50 = 19.7 mg/L 30 min	EC50: =11.5mg/L (48h, Daphnia magna) EC50: 5.46 - 9.83mg/L (48h, Daphnia magna)
2-Methylpentane 107-83-5	EC50 = 4.321 mg/L (Green algae)	-	-	LC50 = 3.649 mg/L (Daphnia magna)
Acetone 67-64-1	-	LC50 96 h 4.74 - 6.33 mL/L (Oncorhynchus mykiss )	EC50 = 14500 mg/L 15 min	EC50 48 h 10294 - 17704 mg/L (Daphnia magna Static)
Rosin 8050-09-7	EC50: =400mg/L (72h, Desmodesmus	LC50 (96h) >10mg/L (Danio rerio)	EC50 = 31.5 mg/L 30 min	EC50 48 h >100 mg/L (Daphnia magna )

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	subspicatus)			
Zinc oxide	LC 50 (72Hr) 0.136 mg/L	LC50 (96h) =0.7 mg/L	-	LC 50 (48Hr) =0.5 mg/l
1314-13-2		(Danio rerio)		(Ceriodaphnia dubia)

#### Persistence and degradability

#### Persistence and degradability No information available.

Component Information			
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

**Bioaccumulation** 

There is no data for this product.

No information available.

#### **Component Information**

Chemical name	Partition coefficient
Toluene	3.93
108-88-3	
2-Methylpentane	3.214
107-83-5	
Acetone	-0.24
67-64-1	
Rosin	7.7
8050-09-7	

Mobility

Mobility in soil	No information available.

Mobility No information available.

Other adverse effects

Other adverse effects

Endocrine Disruptor Information

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

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### Section 14: Transport information

<u>ADG</u> UN number or ID number UN proper shipping name Transport hazard class(es) Packing group Environmental hazard Limited quantity (LQ) Description	UN1133 Adhesives 3 II Yes 5 L UN1133, Adhesives, 3, II
Hazchem code	•3YE
IATA UN number or ID number Transport hazard class(es) Packing group ERG Code Special Provisions Limited quantity (LQ) Description	UN1133 3 II 3L A3 1 L UN1133, Adhesives, 3, II
IMDG UN number or ID number Transport hazard class(es) Packing group EmS-No Limited Quantity (LQ) Marine pollutant Description	UN1133 3 II F-E, S-D 5 L P UN1133, Adhesives (2-Methylpentane), 3, II, (-20°C c.c.), Marine Pollutant

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code No information available

### Section 15: Regulatory information

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

#### National regulations

Australia

See section 8 for national exposure control parameters

Standard for Uniform Scheduling of Medicines and Poisons (SUSMP)Classified as a scheduled poison according to the Standard for Uniform Scheduling of Medicines and Poisons (SUSMP)Poison Schedule Number6

#### Major hazard (accident/incident planning) regulation

Verify that license requirements are met

#### Hazardous chemical

Liquids that meet the criteria for Class 3 Packing Group II or III Liquids with flash points <61°C kept above their boiling points at ambient conditions

National pollutant inventory

Subject to reporting requirement

Threshold quantity (T) 50 000 200

National pollutant inventory

Chemical name

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Toluene	10 tonne/yr Threshold category 1		
108-88-3	20 MW Threshold category 2b total		
	60000 MWH Threshold category 2b total		
	1 tonne/h Threshold category 2a total		
	25 tonne/yr Threshold category 1a total		
	400 tonne/yr Threshold category 2a total		
	2000 tonne/yr Threshold category 2b total		
2-Methylpentane	20 MW Threshold category 2b total		
107-83-5	60000 MWH Threshold category 2b total		
	1 tonne/h Threshold category 2a total		
	25 tonne/yr Threshold category 1a total		
	400 tonne/yr Threshold category 2a total		
	2000 tonne/yr Threshold category 2b total		
Acetone	10 tonne/yr Threshold category 1		
67-64-1	20 MW Threshold category 2b total		
	60000 MWH Threshold category 2b total		
	1 tonne/h Threshold category 2a total		
	25 tonne/yr Threshold category 1a total		
	400 tonne/yr Threshold category 2a total		
	2000 tonne/yr Threshold category 2b total		
Zinc oxide	10 tonne/yr Threshold category 1		
1314-13-2			

#### International Inventories

AIIC	Listed
NZIoC	Not Listed
ENCS	Not Listed
IECSC	Not Listed
KECL	Not Listed
PICCS	Not Listed

#### Legend:

AIIC - Australian Inventory of Industrial Chemicals

**NZIOC** - New Zealand Inventory of Chemicals

**ENCS** - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

#### 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, Authorization, and Restriction of Chemicals (REACh) Regulation (EC 1907/2006)

#### SVHC: Substances of Very High Concern for Authorization:

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

#### 2015/863/EU - RoHS

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

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(DBP) and Diisobutyl phthalate (DIBP) above the regulated limit mentioned in this regulation

Section 16: Any other relevant information					
Prepared By	Product Safety & R	Product Safety & Regulatory Affairs			
Issuing Date	26-Sep-2019				
Revision date	03-Jan-2023				
Revision Note ***Indicates updated data since last publication.					
Key or legend to abbreviations and acronyms used in the safety data sheet					
TWA TW Ceiling Max C Car	E CONTROLS/PERSONAL PROT A (time-weighted average) ximum limit value rcinogen	ECTION STEL *	STEL (Short Term Exposure Limit) Skin designation		
Section 11: TOXICOLOGICAL INFORMATION					

**Disclaimer** 

LD50 (lethal dose)

**Section 12: Ecological information** EC50 (effective concentration)

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**