


Safety Data Sheet

Prepared Date : Jan. 8, 2014 , Revised date : Aug. 26, 2014

SECTION 1 - Chemical product and company identification	
Product name	AUTONSEALER 101A NON-BLEED
Commendable use and Restriction for use	Sealant
Name of Manufacturer	AUTO CHEMICAL IND.CO.,LTD
Address	5-8-5 UENO, TAITOU-KU, TOKYO 110-0005 JAPAN
Telephone number(For information)	+81-3-5812-7310
Emergency telephone number	+81-29-831-0913
Fax number	+81-29-831-0923

SECTION 2 - Hazards identification				
Hazards	Adverse human health effects	With stimulative to eyes.		
	Environmental effects	Toxic to aquatic life.		
GHS classification	Physicochemical danger	Not applicable		
	Harmful nature which receives healthily	Critical damage and stimulativeness to eye:	Category 2A	
	Harmful nature to environment	Hazardous top the aquatic Environmental (Acute)	Category 3	
		Hazardous top the aquatic environmental (Chronic)	Category 3	
GHS label elements	Pictogram			
	Signal word	Warning		
	Hazard statements	Cause serious eye irritation. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.		
	Precautionary statements	Use only outdoors or in a well-ventilated area. Do not use except for right purpose. Wear protective gloves and eye/face protection as specified by the manufacture / supplier or the competent authority. Wash hands thoroughly after handling. Avoid breathing vapours. Keep out of reach of children. Do not discharging into drains or the environment. Dispose to an authorized waste collection point.		

SECTION 3 - Composition/information on ingredients				
Single chemical / mixture categorization	Mixture			
Hazardous compositions	Mineral Spirit * , Xylene * , Trimethylbenzene * * Contained in Hydrocarbons			
Components,content,CAS No. and ENCS No.	Chemical / generic name;	Concentration Range	CAS No	ENCS No
	Polyurethane Resin	45~55	Registered	7-820
	Inorganic Filler	30~40	471-34-1	1-122
	Hydrocarbons	10~20	8052-41-3	9-1702

SECTION 4 - First-aid measures	
Inhalation	Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration and then call a physician.
Skin contact	Immediately wash with copious amounts of water while removing contaminated clothing, shoes and then call a physician.
Eye contact	Immediately flush with copious amounts of water for at least 15minutes lifting upper and lower lids periodically and then calls an eye specialist.
Ingestion	Rinse mouth with water. Arrange for transport to the nearest medical facility for examination and treatment by a physician as soon as possible.

SECTION 5 - Fire-fighting measures	
Extinguishing media	Water , CO ₂ , Dry Chemical Foam extinguisher or sand.
Specific hazards	Burning resin makes cyanogen gas. Burning resin makes inhalation toxicity dust which come from pigment of inorganic filler.
Specific methods of fire-fighting	Remove Combustibles from path of fire.
Protection of firefighters	Wear self-contained breathing apparatus. Extinguish from the upwind direction.

SECTION 6 - Accidental release measures	
Personal precautions,protective equipment and emergency measures	Wear protective equipment as needed to avoid inhaling and / or coming into contact with the substance.Extinguish from the upwind direction.
Environmental precautions	Avoid release to environment
Recovery and neutralization	Absorb remaining product with dustcloth or other absorbent material.
Method and materials for containing and cleaning up	Contain spill with earth and sand. Collect residues in a container.
Method and materials for containing and cleaning up	Recovery and neutralization Absorb remaining product with dustcloth or other absorbent material. Prevention against by-calamity Collect residues in a covered container Keep away from the fire when you use and store.

SECTION 7 - Handling and storage	
Handling	<p>[Technical measures]: Avoid smoking, naked flame, heat or ignition sources.</p> <p>[Ventilation to be used]: Use in a well-ventilated area</p> <p>[Avoidance of contact]: Prevent the substance from coming in contact with strong oxidants.</p>
Storage	<p>[Technical measures]: Keep away from sources of ignition and heat.</p> <p>[Incompatible products]: Prevent the substance from coming in contact with strong oxidants.</p> <p>[Storage conditions]: Store in a cool, dry and well-ventilated location. keep out of reach of children.</p> <p>[Packaging materials] :keep to store a same package. Avoid physical damage to containers.</p>

SECTION 8 - Exposure controls/personal protection		
Control parameters	Hydrocarbons : 25ppm(ACGIH): As Trimethylbenzene (By maker MSDS 2011/6/30)	
Engineering measures	No smoking, naked flames, heat or ignition sources Install an airtight cover for the source of the vapour, or a local ventilation system.	
Protection	Respiratory Protection	Self-contained breathing apparatus, chemical cartridge respirator with an organic vapor cartridge
	Hand protection	Wear suitable glove.
	Eye protection	Wear suitable eyeglasses.
	Skin and body protection	Wear body-covering cloth.

SECTION 9 - Physical and chemical properties	
Product appearance	Physical state : Paste Colour : Each product have original colour
Odor	Petroleum odor
Boiling point, initial boiling point and boiling range	Hydrocarbons : 162 ~ 192
Flash point	47
Explosion range	Hydrocarbons : 0.7 ~ 6.5 vol%
Vapour pressure	Hydrocarbons : 370Pa (20)
Density	1.24 / 23
Solubility	Hydrocarbons : Insoluble in water
Octanol/water partition coefficient	Hydrocarbons : Log pow=3.7~6.7
Spontaneous ignition temperature	Hydrocarbons : 296

SECTION 10 - Stability and reactivity	
Reactivity	Hazardous polymerization will not occur.
Chemical stability	The product is considered stable.
Conditions to avoid	The product is considered a stable material under normal and anticipated storage and handling conditions.

Incompatible products	Oxidising substances
Hazardous decomposition products	Cyanogen gas

SECTION 11 - Toxicological information			
Acute toxicity	Oral:	LD50(Oral)Rat>5000mg/kg	Mineral Spirit
		LD50(Oral)Rat=3500mg/kg	Xylene
		LD50(Oral)Rat=8970mg/kg	Trimethylbenzene
	Inhalation:	LC50(Inhalation)Rat>5.5mg/L	Mineral Spirit
Skin corrosion property stimulativeness:	Contains the following substances that cause skin irritation in the categories below.		
	Category 2 ingredients:	Mineral Spirit Xylene Trimethylbenzene	
Critical damage and stimulativeness to eye:	Contains the following substances that cause serious eye damage or irritation in the categories below.		
	Category 2A ingredients:	Xylene	
	Category 2B ingredients:	Trimethylbenzene	
Respiratory organs sensitization or skin sensitization:	Not data available		
Generative cell mutagenicity:	Not data available		
Carcinogenicity:	Not data available		
Reproductive toxicity:	Contains the following substances that cause reproductive toxicity in the categories below.		
	Category 1B ingredients:	Xylene	
Specified target organ • general toxicity-single exposure:	Contains the following substances that cause specific target organ toxicity(single exposure) in the categories below.		
	Category 1 ingredients:	Xylene	
	Category 3 ingredients:	Mineral Spirit Xylene Trimethylbenzene	
Specified target organ• general toxicity-repetitive exposure:	Contains the following substances that cause specific target organ toxicity(multiple exposure) in the categories below.		
	Category 1 ingredients:	Xylene	
	Category 2 ingredients:	Mineral Spirit Trimethylbenzene	
Aspiration respiratory organs hazard:	Contains the following substances that cause aspiration respiratory organs hazard in the categories below.		
	Category 1 ingredients:	Mineral Spirit Trimethylbenzene	
	Category 2 ingredients:	Xylene	

SECTION 12 - Ecological information		
Ecotoxicity	Major ingredients of this substance with acute / chronic aquatic toxicity related properties.	
	Acute aquatic toxicity category 1	Mineral Spirit

	Acute aquatic toxicity category 2	Xylene Trimethylbenzene
	Chronic aquatic toxicity category 1	Mineral Spirit
	Chronic aquatic toxicity category 2	Xylene Trimethylbenzene
Persistence/degradability	Mineral Spirit : None biodegradable Xylene : None biodegradable	
Bioaccumulation	Xylene : Creature accumulation is low.	
Mobility in soil	No data available for the mixture.	
Ozone layer hazard	There is no content of material that Montreal Protocol on Substances.	

SECTION 13 - Disposal considerations

Residual waste	Request its processing by a licensed waste disposal firm. Burning resin or scrapping structure makes inhalation toxicity dust which come from pigment of inorganic filler. Wear a suitable dust respirator.
Contaminated containers or packaging	The contents and containers should be disposed of in compliance with national statutes.

SECTION 14 - Transport information

UN number	Not applicable
Name of product	Not applicable
UN classification	Not applicable
Container grade	Not applicable
Ocean contaminant	Not applicable
Transport information	Follow all regulations in your country

SECTION 15 - Regulatory information

Follow all regulations in your country
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SECTION 16 - Other information

<p>Source</p> <p>1) Homepage of National Institute of Technology and Evaluation(NITE)</p> <p>2) MSDS of raw materials</p>
<p>To the best of our knowledge, the information contained herein is accurate. However, AUTO CHEMICAL IND.CO, LTD. assumes any liability whatsoever for the accuracy or completeness of the information contained herein.</p> <p>All materials may present unknown hazards and should be used in caution.</p> <p>Although certain hazards are described herein, we cannot guarantee that these are the only hazards, which exist.</p>