

MATERIAL SAFETY DATA SHEET

Date Revised: 03/13/2018

MSDS No:

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: SBS ADHESIVE

MANUFACTURER: XIANJU ADHESIVE FACTORY (General Partnership)

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ZHEJIANG PROVINCE

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**MANUFACTURER EMERGENCY
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APPLICATION: Crafts、Home decoration.

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Flammable. Its vapor and air can form an explosive compound, which will cause flash fire and explosion when exposed to flames and high heat. Violent reaction with oxidant. Its vapor is heavier than air and can spread to a considerable distance in a lower place, and will burn and flashback when it encounters ignition sources.

GHS HAZARD IDENTIFICATION: Flammable liquids -2, skin corrosion/irritation -2, mutagenicity -1B, reproductive toxicity -2, specific target organ system toxicity -single exposure -3, inhalation hazard -1, hazard to the aquatic environment - acute 2, hazard to the aquatic environment -long-term、chronic 2, severe eye damage/irritation -2, acute toxicity - transoral -4

HAZARD DESIGNATION:**SYMBOL:****WARNING:**

DANGER

HAZARD INFORMATION: Highly flammable liquid and vapor; can cause skin irritation; Can cause severe eye irritation; may cause genetic defects; may damage fertility or the fetus; may cause respiratory tract irritation, may cause drowsiness or dizziness; may be harmful or fatal if swallowed; may be harmful to aquatic organisms and may cause long term adverse effects in the aquatic environment.

PREVENTION PREVIEW:**PROTECTION MEASURE:**

Keep away from heat source/open flame/hot surface. No smoking. Use explosion-proof electrical/ventilation and lighting equipment; Use no-sparking tools; Take measures to prevent electrostatic discharge. Keep container closed. Grounding and bonding of containers is required. Wear protective gloves/suits/glasses/masks. Clean thoroughly after work. Get special instructions before use. Do not move until you understand all security measures. Use the necessary personal protective equipment. Avoid inhalation of dust/smoke/vapor/spray. Use only outdoors or in a well-ventilated place. Avoid releasing into the environment.

EMERGENCY MEASURE:

Eyes: Immediately flush eyes with plenty of tempered water (at least 15-20 minutes) lifting upper and lower eye lids occasionally. Get immediate medical attention.

Skins: Immediately wash skin with soap and plenty of water, Remove contaminated clothing. Get medical attention If symptoms occur. Wash or dispose of clothing before reuse,

Ingestion: Do not induce vomiting, keep person warm, quiet and get medical attention immediately. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Aspiration of this material into the lungs due to vomiting can cause chemical pneumonitis which can be fatal.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel Seek Immediate medical attention.

STORAGE:

Store in a well-ventilated area. Keep it cool. Keep the container closed. Storage must be locked.

WASTE DISPOSAL:

Dispose of in accordance with national and local regulations.

HEALTH HAZARDS:

Vapor can cause eye and upper respiratory tract irritation. High concentration may lead to dyspnea, cyanosis and other hypoxia symptoms within a few minutes.

ENVIRONMENTAL HAZARDS:

It is harmful to the environment and may cause pollution to water, soil and air.

3.COMPOSITON/ INFORMATION ON INGREDIENTS

Substance			√ Compound		
Chemical Name	Synonym	CAS	EC	Formula	Wt. %
dichloromethane	---	75-09-2	---	CH ₂ Cl ₂	5%
6# Solvent Oil	Naphtha	8030-30-6	---	---	30-35%
Cyclohexane		110-82-7	---	C ₆ H ₁₂	20%

4. FIRST AID MEASURES

FIRST AID:

-**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel.

Seek immediate medical attention.

-SKIN: Immediately remove contaminated clothing. Wash skin with plenty of running water. Get medical attention . Wash or dispose of clothing before reuse.

-EYES: Immediately lift upper eye lids and flush eyes with plenty of running water (at least 15-20 minutes). Get immediate medical attention.

-INGESTION: Drink plenty of warm water, seek medical attention.

5.FIRE FIGHTING MEASURES

SPECIAL DANGER: Flammable. Its vapor and air can form an explosive compound, which will cause combustion and explosion when exposed to flames and high heat. Violent reaction with oxidant. Its vapor is heavier than air and can spread to a considerable distance in a lower place, and will ignite when it encounters a fire.

EXTINGUISHING MEDIA: Foam, dry chemical, carbon dioxide, sand. Water is invalid.

FIRE FIGHTING METHOD: Cool the container by spraying water, and move the container from the fire scene to an open place if possible. Evacuate immediately if the container in the fire has changed color or produced sound from the safety relief device.

6. ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURE:Evacuate the personnel from the contaminated area to the safe area, isolate them and strictly restrict their access. Cut off the fire. It is recommended that emergency personnel wear positive pressure air supplied respirator and fire protection clothing.

ENVIRONMENTAL PROTECTION METHOD: Cut off the source of spill as far as possible and prevent it from entering restricted spaces such as sewers and drainage ditches.

SMALL SPILL: Absorb with activated carbon or other inert materials. It can also be scrubbed with an emulsion made of incombustible dispersant, and the lotion is diluted and put into the waste water system.

LARGE SPILL:Dike area to contain spill; cover with foam to reduce vapor hazards, use explosion-proof pumps to transfer to tank trucks or special collectors, and recycle or transport to waste disposal sites for disposal.

7.HANDLING AND STORAGE

HANDLING: Closed operation and enhanced ventilation.Operators must be specially trained and strictly abide by the operating rules. It is recommended that operators wear chemical protective clothing & boots, chemical

protective safety glasses and rubber oil-resistant gloves. Keep away from fires and heat source. Smoking is strictly prohibited in the workplace. Use explosion-proof ventilation systems and equipment. Prevent vapor from leaking into workplace air. Avoid contact with oxidants. The flow rate should be controlled when filling, and there should be a grounding device to prevent the accumulation of static electricity. Handle with care to prevent damage to packing and container. Equipped with the appropriate variety and quantity of fire fighting equipment and leakage emergency treatment equipment. Empty containers may retain harmful substances.

STORAGE: Keep container closed when not in use. Store In a dry well ventilated area, out of the sun and away from ignition sources. Do not remove or deface label. Prevent water or moist air from entering container. Storage temperature should not exceed 30°C. The lighting, ventilation and other facilities in the storage area shall be explosion-proof, and the switch shall be set outside the storage area. Equip with the appropriate variety and quantity of fire fighting equipment. The barrel stacking should not be too large, wall spacing, roof spacing, column spacing and necessary fire inspection walkways should be reserved. There should be fire and explosion-proof technical measures when the barrel is stored. The use of spark-prone mechanical equipment and tools is prohibited. Attention should be paid to flow rate (no more than 3m/s) during filling, and grounding device should be installed to prevent static electricity accumulation. Handle with care to prevent damage to packing and container.

8.EXPOSURE CONTROLS/ PERSONAL PROTECTION

EXPOSURE LIMIT: U.S. TWA: OSHA 200ppm, 606mg / m³; ACGIH 200ppm, 606mg / m³

U.S. STEL: ACGIH 250ppm, 760mg / m³; **CHINA MAC(mg/m³):** 100

BIOLOGICAL LIMIT: None known

MONITORING METHOD: None known

ENGINEERING CONTROLS: Provide sufficient explosion proof mechanical (general and/or local exhaust) ventilation to maintain exposure below the occupational exposure limit and exposure concentration.

RESPIRATORY: When airborne concentration exceeds the limit, wear air-purifying respirators. An air or oxygen supplied respirator should be worn during emergency rescue or evacuation.

EYES AND FACE: Wear chemical protective safety glasses.

SKIN: Wear chemical protective clothing & boots to prevent repeated or prolonged skin contact.

HAND: Wear latex gloves.

WORK HYGIENIC PRACTICES: Smoking, eating and drinking are prohibited in the workplace.

After work, take a bath and change clothes. Keep good hygiene.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Light yellow liquid
ODOR:	Irritant
PH (concentration):	4-8
MELTING POINT(°C):	-30.6
BOILING POINT(°C):	144.2
DENSITY (WATER=1) :	0.85
VAPOR DENSITY (AIR=1) :	3.6
SATURATED VAPOR PRESSURE(kPa):	None know.
COMBUSTION HEAT(kJ/mol):	4376.7
CRITICAL TEMPERATURE(°C):	463.
CRITICAL PRESSURE(MPa):	3.81
FLASHPOINT(°C):	34.4
IGNITION TEMPERATURE(°C):	463
UPPER EXPLOSION LIMIT%(V/V):	7.0
LOWER EXPLOSION LIMIT%(V/V):	1.1
MINIMUM IGNITION ENERGY(mJ):	None know.
MAXIMUM EXPLOSION PRESSURE (MPa):	None know.
SOLUBILITY:	Soluble in organic solvents.
APPLICATION:	Crafts、 Home decoration.
OTHER PHYSICAL AND CHEMICAL	None know.

PROPERTIES:

10. STABILITY AND REACTIVITY

STABILITY: Stable under recommended storage conditions

POSSIBILITY OF HAZARDOUS REACTIONS: Stable under recommended storage conditions

CONDITIONS TO AVOID: Fire、Spark、High temperature、High heat

INCOMPATIBLE MATERIALS: Strong oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide、Carbon dioxide

11. TOXICOLOGICAL INFORMATION

TOXICOKINETICS, METABOLISM, DISTRIBUTION: None known

ACUTE TOXICITY: LD50: 500~5000mg / kg(Mammalian inhalation)LC50:

CHRONIC TOXICITY: None known

IRRITATION: None known

RESPIRATORY OR SKIN SENSITIZATION: None known

CMR EFFECTS:

CARCINOGENICITY: None known

MUTAGENICITY: None known

TERATOGENICITY: None known

SPECIFIC TARGET ORGAN SYSTEMIC TOXICITY-SINGLE/REPEATED EXPOSURE:

None known

12.ECOLOGICAL INFORMATION

ECOTOXICITY: medium lethal concentration LC50:7.3~22.8mg/l/96h (fish)

DURABILITY AND DEGRADABILITY:

It can be oxidized and degraded by organism and microorganism.

POTENTIAL BIOACCUMULATION: None known

MOBILITY IN SOIL: None known

OTHER INFORMATION: This product is harmful to the environment. Special attention should be paid to pollution of surface water, soil, atmosphere and drinking water.

13.DISPOSAL CONSIDERATION

DISPOSAL METHOD: Controlled incineration

OTHER INFORMATION: Dispose of in accordance with national and local regulations.

Please refer to "storage and transportation precautions" for waste storage.

14. TRANSPORT INFORMATION

CN NUMBER: None

UN NUMBER: None

PACKING MARK: None

PACKING GROUP: Flammable liquid

PACKING METHOD: Small open steel drum; glass bottle with screw opening, glass bottle with iron cap, plastic bottle or metal barrel (tank) with board box outside.

TRANSPORTATION NOTES: This product can only be shipped by the enterprise's own steel tank truck during railway transportation, and it must be approved by the relevant department before shipment.

In summer, it's better to transport in the morning and evening.

The tank truck used for transportation should have a grounding chain.

A partition with holes can be set in the tank to reduce vibration and static electricity.

Mixed shipment with oxidants and edible chemicals are strictly prohibited.

Avoid exposure to the sun, rain, and high temperature during transportation. Stay away from ignition sources, heat sources,

and high-temperature areas during stopovers. The exhaust pipe of the vehicle must be equipped with fire resistance devices, and it is prohibited to use mechanical equipment and tools that are prone to sparks when loading and unloading.

Road transportation should be in accordance with the prescribed route, do not stay in residential areas and densely populated areas. It is forbidden to slide during railway transportation. It is strictly forbidden to transport in bulk by wooden or cement ships. Handle with care to prevent damage to packing and container.

15.REGULATORY INFORMATION

China's chemical regulations:

《 Regulations on the Safe Management of Hazardous Chemicals in China 》 （Decree No.591 of the State Council of China ）

《List of Dangerous Goods》 （GB12268-2012）

《Classification and Code of Dangerous Goods》 （GB6944-2012）

《Guidance on the Compilation of Safety Data Sheet for Chemical Products》 （GBT/17519-2013）

《Safety Data sheet for Chemical Products Content and Order of Sections》 （GB /T16483 2008）

《 General Rule for Classification and Hazard Communication of Chemicals》 （GB13690-2009）

《Guidance for the Implementation of China 2015 Catalogue of Hazardous Chemicals (Trial)》 （No. 80 (2015) Department of SAWS General Office Supervision III）

《Rules for classification and labeling of chemicals》 （GB30000.2-2013～GB30000.29-2013）

16.OTHER INFORMATION

MANUFACTURER DISCLAIMER:

Employers can only use this information as a supplement to the information they have obtained, and independently judge

the applicability of this information to ensure correct use and protect the health and safety of employees. The data given above is based on current knowledge and experience. The purpose of this chemical safety technical specification is to describe product-related safe use information. This information is not warranted, and the user is responsible for the use of the product not in accordance with the safety technical instructions or in conjunction with other products.