

MATERIAL SAFETY DATA SHEET

Revision Date: 1/1/2011
MSDS/Version 1.1

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name	West Tech Ester Gum 8D
Product Identification Number(s)	8D
Manufacturer/Supplier	West Tech Chemical Co., LTD Plant Add: Delopment Zone, Silao Town, Yunfu City, Guangdong, China. Tel: +8620-38090168 Fax: +8620-38677313 E-mail: westtech168@gmail.com
Chemical Name	glycerol ester of rosin
Product Use	adhesive, coatings, ink, cosmetic, food additive
Molecular Formula	not applicable
Molecular Weight	not applicable

For emergency health, safety, and environmental information: telephone +86 20 38090066 in China

For emergency transportation information, telephone +86 20 38090009 in China. Identify the call as a transportation emergency.

2. COMPOSITION INFORMATION ON INGREDIENTS

(Typical composition is given, and it may vary. A certificate of analysis can be provided, if available.)

<u>Weight %</u>	<u>Component</u>	<u>CAS Registry No.</u>	<u>Symbol</u>	<u>Risk</u>
100%	glycerol ester of rosin	8050-31-5		

3. HAZARDS IDENTIFICATION

MOLTEN MATERIAL WILL PRODUCE THERMAL BURNS

4. FIRST-AID MEASURES

- Inhalation:** If symptomatic, move to fresh air. Treat symptomatically. Get medical attention if symptoms persist.
- Eyes:** Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. Get medical attention if symptoms occur. If molten material contacts the eye, immediately flush with plenty of water for at least 15 minutes. Get medical attention immediately.
- Skin:** Wash with soap and water. Get medical attention if symptoms occur. If burned by contact with

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molten material, cool as quickly as possible. Do not peel material from skin. Get medical attention.

Ingestion: Seek medical advice.

Note to Physicians: Burns should be treated as thermal burns. The material will come off as healing occurs; therefore, immediate removal from the skin is not necessary.

5. FIRE FIGHTING MEASURES

Extinguishing Media: water spray, dry chemical

Special Fire-Fighting Procedures: Wear self-contained breathing apparatus and protective clothing.

Hazardous Combustion Products: carbon dioxide, carbon monoxide

Unusual Fire and Explosion Hazards: Powdered material may form explosive dust-air mixtures.

Sensitivity to Static Discharge: Material may accumulate a static charge which could act as an ignition source.

6. ACCIDENTAL RELEASE MEASURES

Shovel up and place in a container for salvage or disposal.

7. HANDLING AND STORAGE

Personal Precautionary Measures: Avoid contact with molten material.

Prevention of Fire and Explosion: Keep from contact with oxidizing materials. Minimize dust generation and accumulation. In the United States of America, refer to NFPA® Pamphlet No. 654, "Prevention of Fire and Dust Explosions in the Chemical, Dye, Pharmaceutical, and Plastics Industries."

Storage: Keep container tightly closed in a cool, well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Country specific exposure limits have not been established or are not applicable unless listed below.

Ventilation: Good general ventilation (typically 10 air changes per hour) should be used.

Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances; such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc.

Eye Protection: It is a good industrial hygiene practice to minimize eye contact. Wear a face shield when working with molten material.

Skin Protection: It is a good industrial hygiene practice to minimize skin contact., When material is heated, wear gloves to protect against thermal burns.

Recommended Decontamination Facilities: eye bath, washing facilities

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: solid (pellet)

Color: light amber

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Odor: slight
Specific Gravity: 1.08 (25 °C)
Softening Point: 93 °C
Solubility in Water: negligible
Flash Point: > 190 °C (open cup)
Thermal Decomposition Temperature: (DSC) No exotherm to 500°C

10. STABILITY AND REACTIVITY

Stability: Stable; however, material can decompose at elevated temperatures.
Incompatibility: Material reacts with strong oxidizing agents.
Hazardous Polymerization: Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute toxicity data, if available, are listed below. Additional toxicity data may be available on request.

12. ECOLOGICAL INFORMATION

Acute toxicity data, if available, are listed below. Additional toxicity data may be available on request.

This material has not been tested for environmental effects.

13. DISPOSAL CONSIDERATIONS

Discharge, treatment, or disposal may be subject to national, state, or local laws. Incinerate.

14. TRANSPORT INFORMATION

Important Note: Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Consult your company's Hazardous Materials/Dangerous Goods expert for information specific to your situation.

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ADR/RID:

Class not regulated

Sea - IMDG (International Maritime Dangerous Goods)

Class not regulated

Air - ICAO (International Civil Aviation Organization)

Class not regulated

15. REGULATORY INFORMATION

This product has been reviewed and is classified and labeled as follows in full accord with EC Directive 67/548 and all other current applicable amending Directives, including, but not limited to, 91/155/EC, 1999/45/EC, 2001/58/EC and 2001/59/EC.

Not classified as dangerous according to EC directives., Handle in accordance with good industrial hygiene and safety practice.

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Carcinogenicity Classification (components present at 0.1% or more): none, unless listed below

TSCA (US Toxic Substances Control Act): This product is listed on the TSCA inventory. Any impurities present in this product are exempt from listing.

DSL (Canadian Domestic Substances List) and CEPA (Canadian Environmental Protection Act): This product is listed on the DSL. Any impurities present in this product are exempt from listing.

EINECS (European Inventory of Existing Commercial Chemical Substances): This product is listed on EINECS or otherwise complies with EINECS requirements. **EINECS Number:** 232-482-5

AICS / NICNAS (Australian Inventory of Chemical Substances and National Industrial Chemicals Notification and Assessment Scheme): This product is listed on AICS or otherwise complies with NICNAS.

MITI (Japanese Handbook of Existing and New Chemical Substances): This product is listed in the Handbook or has been approved in Japan by new substance notification.

ECL (Korean Toxic Substances Control Act): This product is listed on the Korean inventory or otherwise complies with the Korean Toxic Substances Control Act.

Philippines Inventory (PICCS) : This product is listed on the Philippine Inventory or otherwise complies with PICCS.

Inventory of Existing Chemical Substances in China: All components of this product are listed on the Inventory of Existing Chemical Substances in China (IECSC).

The information contained herein is based on current knowledge and experience; no responsibility is accepted that the information is sufficient or correct in all cases. Users should consider these data only as a supplement to other information. Users should make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials, the safety and health of employees and customers, and the protection of the environment.

Highlighted areas indicate new or changed information.