

MATERIAL SAFETY DATA SHEET

Number: E-0009(E)
Date prepared: July 23, 2003
Date revised: May 30, 2006

1. Chemical Product and Company Identification

Product code: -
Product Name: EXAIMPLANT ADHESIVE
Manufacturer / Supplier:
GC Corporation, 76-1 Hasunuma-Cho, Itabashi-Ku, Tokyo, Japan
Postal code 174-8585, Telephone number: 81-3-3965-1388

<p>Australian supplier: Henry Shein Halas Dental Co., Ltd., Sydney – Head Office 44 O’Dea Ave, Waterloo, NSW 2017 Emergency Phone (02) 9697-6288 Fax (02) 9697 6250</p>

2. Composition / Information on Ingredients

(% chemical components by WT)

Ethyl acetate (CAS# 141-78-6)	90 - 93%
Silicon modified acrylic resin (CAS# not listed)	7
Oil blue (CAS# not listed)	<0.1

3. Hazardous Identification

<p>Emergency Overview: Flammable and viscous liquid. May cause skin, eye and digestive tract irritation. May cause central nervous system depression. May be harmful if inhaled</p>
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Eye: Causes eye irritation.

Skin: May cause skin irritation

Ingestion: May causes irritation to the digestive tract. May cause liver and kidney damage. Ingestion of large amounts may cause central nervous depression.

Inhalation: Inhalation may cause respiratory tract irritation. May be harmful if inhaled. Inhalation of high concentrations may cause narcotic effects.

4. First Aid Measures

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

Skin: Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing and clean shoes before reuse. Get medical attention if irritation is persistent.

Ingestion: If victim is conscious and alert, give 2-4 cupfuls of water or milk. Never give anything by mouth to an unconscious person. Get medical attention.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medial attention.

5. Fire Fighting Measures

Flammable Properties: Flammable liquid and vapors may form an explosive mixture with air. Dangerous fire hazard when exposed to heat or flame.

Flash Point: -4°C CC

Flammable Limits:

Lower flammable limit: lel: 2.0%

Upper flammable limit: uel: 11.5%

Auto-Ignition temperature: 426°C

Hazardous Combustion Products: not available

Extinguishing Media: Dry chemical, chemical foam. or carbon dioxide. Water spray may be used to keep fire exposed containers cool.

Fire Fighting Instructions: In the event of a fire, wear full protective clothing and approved self-contained breathing apparatus with full face-piece operated in the pressure demand or other positive pressure mode.

6. Accidental Release Measures

Avoid runoff into storm sewers and ditches which lead to waterways. Clean up spills immediately, observing precautions in the protective equipment section. Remove all sources of ignition. Absorb spill using an absorbent, non-combustible material such as earth, sand. Provide ventilation

7. Handling and Storage

Handling: Protect against physical damage.

Storage: Store in a cool, dry well-ventilated location, away from any area where the fire hazard may be acute.

8. Exposure Control / Personal protection

Respiratory Protection: If the exposure limit is exceeded, a half-face organic vapor respirator is recommended.

Skin Protection: Wear impervious protective gloves to prevent skin contact.

Eye Protection: Maintain eye wash fountain and quick-drench facilities in work area.

Exposure Limits:

Ethyl acetate: OSHA (PEL): 400 ppm (TWA)

ACGIH (TLV): 400 ppm (TWA), A4-Not classified as a human carcinogen

9. Physical and Chemical Properties

Appearance: Blue and viscous liquid

Odor: Fruity odor

Boiling Point: 77°C

Vapor Pressure (mm Hg): 76 @20°C

Vapor Density (Air=1): 3.0

Solubility in Water: 1ml/10ml water @25°C

Specific Gravity: Not available

Melting Point: -83°C

pH: No information found

Volatile: 100% @21°C

Evaporation rate (BuAc=1): 6

10. Stability and Reactivity

Stability: Stable under ordinary conditions of use and storage. Heat will contribute to instability.

Incompatibility: Heat, flame, and other sources of ignition. Contact with nitrates, strong oxidizers, strong alkalis or acids.

Hazardous Decomposition Products: Carbon dioxide and carbon monoxide may form when heated to decomposition.

11. Toxicological Information

Toxicological data:

Ethyl acetate:

Inhalation rat LC50: 200gm/m³

Oral rat LD50: 5620mg/kg

Skin rabbit: >20ml/kg

Carcinogenicity – Not listed by ACGIH, IARC, NIOSH, NTP or OSHA

12. Ecological Information

This material is not expected to be toxic to aquatic life.

13. Disposal Consideration

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transportation Information

Proper shipping name: Ethyl acetate solution

Hazard class: I.M.O.- 3 IATA - 3

UN/NA: UN1173

Packing group: II

15. Regulatory Information

Chemical inventory status

Ingredient

Ethyl Acetate (141-78-6)

TSCA

Yes

EC

yes

Japan

yes

Australia

yes

Korea

Yes

16. Other Information

No specific Information available

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use.