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READ THIS MATERIAL SAFETY DATA SHEET BEFORE USING THIS PRODUCT. ASK YOUR SUPERVISOR FOR ASSISTANCE IF YOU DO NOT UNDERSTAND ANY PART OF IT.

MATERIAL SAFETY DATA SHEET

1. PRODUCT INFORMATION

Product Name: GS 561 Curing Agent – Yellow
CAS Number: N/A
Product Code: GS 561
Chemical Name: N/A
Chemical Family: Epoxy Curing Component

2. HAZARDOUS INGREDIENTS

(HMIS: Health – 2, Flammability – 1, Reactivity – 0)
OSHA (29CFR1910.1200): Irritant, Sensitizer

Material	CAS Number	Contents % w/w	Hazard Data
Benzyl Alcohol	100 – 51 - 6	12 – 24%	OSHA PEL: Not Established
Remaining Resins are Trade Secret	5 - 10%		

Formulated Product: Not IATA, DOT or IMO Regulated.

**********DOES NOT CONTAIN CARCINOGENS**********

3. PHYSICAL DATA

Appearance: Yellow Paste
Solubility in Water: Negligible
Specific Gravity: 1.69
Boiling Point: N/A
Vapor Pressure: N/A
Odor: Ammonia
Density at 20OC: 14.11 lbs/gallon
Freezing Point: N/A
Vapor Density: N/A
Viscosity: Heavy Paste
%Volatiles by Volume: Approx. 1%

4. FIRE AND EXPLOSION DATA

Flash Point: >200OF TCC **Autoignition Temp**: N/A **Flammable Limits in Air, % v/v** **LEL**: N/A **UEL**: N/A
Extinguishing Media: Water, Spray, Foam, Dry Chemical **Fire or Explosion Hazards**: Ignition will give rise to a Class B fire. Generation of toxic or irritating products. **Special Firefighting Procedures**: Wear full protective equipment including self-contained breathing apparatus, butyl rubber gloves and boots.

5. REACTIVITY DATA

Stability: Stable **Hazardous Polymerization**: Will Not Occur **Incompatible Materials**: Acids, (e.g. Sulfuric, Phosphoric,Acetic, Citric, etc.). Oxidizing and reducing agents (e.g. Perchlorates, Nitrates, Hydrides and Sulfites, etc.) Unsupervised mixes with large volumes of epoxy based materials such as GS 561. Volumes of one gallon are safe; however, expect a significant exotherm within 30 – 40 minutes at 70OF. **CAUTION**: n-Nitrosamines, many of which are known to be potent carcinogens may be formed when the product comes into contact with nitrous acid, atmospheres with high nitrous oxide concentrations, nitrites.
Hazardous Decomposition Products: CO, CO2, Nitrogen Oxides, Aldehydes, Nitrosamines, Amines, Ammonia, Organic Acid Vapors and Unspecified Others.

6. HEALTH HAZARD DATA

Inhalation: NOTICE – DO NOT INHALE PRODUCT. May cause irritation to upper respiratory tract upon prolonged or repeated inhalation. NOTE: Because of low volatility of product and pasty viscosity, it is extremely unlikely that excessive exposure to vapors will be experienced at normal temperatures under normal circumstances.
Eye and Skin Contact: Causes moderate skin irritation or burns. May cause permanent visual impairment. Wear protective clothing and goggles, if contact is otherwise possible.
Caution: Pre-existing eye, skin and respiratory disorders may be aggravated by exposure to this product; exercise caution in handling. Remove from skin using liquid soap or detergent – always avoid using solvents to remove skin contamination.

7. FIRST AID RECOMMENDATIONS

Eye Contact: Immediately flush with water holding lids apart for at least 15 minutes. Washing within one minute is essential to achieve maximum effectiveness.
Skin Contact: Remove from skin using soap and water. Avoid the using solvents to remove any skin contamination. Remove contaminated shoes and clothing. DO NOT apply greases or ointments. Victims of a major skin contact should remain under medical observation for at least 24 hours due to possible delayed effects.
Ingestion: Administer 3 – 4 glasses of milk or water. DO NOT induce vomiting. Obtain medical attention and hospital treatment immediately.
Inhalation: In normal use, inhalation is extremely unlikely. If breathing has stopped or is labored, give mouth to mouth assistance. Prevent aspiration of vomit. Move to fresh air and call a physician
Note to Physician: This product is highly injurious to all tissues, similar to that of ammonia. Chemical pneumonitis, pulmonary edema, laryngeal edema and delayed scarring of the airway or other affected tissue may occur following exposure. Clinical management is based on supportive treatment similar to that used for thermal burns.

8. SPILL PROCEDURES & WASTE DISPOSAL

Scrape or wipe up spilled material. Place in container for recover or disposal. Avoid contact with skin and eyes. Wear recommended protective clothing. Keep spills out of sewers and open bodies of water. Observe all Federal, State and Local laws regarding Health and the Environment.

9. PERSONAL PROTECTION

Ventilation Requirements: Mechanical local exhaust at point of contaminant release, if conditions warrant.
Personal Protective Equipment: Wear impervious gloves.
Respiratory Protection: It is extremely unlikely that harmful concentrations of volatile materials will be released during normal applications by spreaders, trowels or similar tool in open areas. Wear organic vapor cartridge respirator or fresh air hood, if working for extended periods in enclosed spaces with minimal ventilation.
Eyes: Chemical resistant goggles, if eye contact possible.
Skin: Impervious gloves, long sleeved shirts, coveralls, as required to prevent skin contact. Discard contaminated gloves, footwear, etc.

10. SPECIAL PRECAUTIONS & STORAGE

Precautionary Statements: Repeated and/or prolonged contact with the skin may cause primary skin irritation and dermatitis. Adverse respiratory effects, such as coughing, tightness of the chest or shortness of breath may also occur.

11. TRANSPORTATION INFORMATION

IATA, IMO AND DOT: Resin Compound – “Non-Hazardous” – “Non-Regulated”