

# MATERIAL SAFETY DATA SHEET

## HY Series: EPOXY / POLYESTER

PRODUCT INFORMATION			
SUPPLIER	INSOLTECH (NZ) LIMITED	EMERGENCY CONTACT	0800764766 24HRS
ADDRESS	531 SOUTH TITIRANGI ROAD. TITIRANGI AUCKLAND. NZ.	OFFICE CONTACT	64-9-817-3779
CHEMICAL NAME	POWDER COATINGS	HYBRID TYPE	
CHEMICAL FAMILY	EPOXY / POLYESTER	FORMULA	DATE: JANUARY 2022

HAZADOUS INGREDIENTS			
MATERIALS	CAS NO	WEIGHT %	REMARKS
POLYESTER RESIN	25135-73-3	5-15	
EPOXY RESIN	25068-38-6	45-55	
PIGMENT	1333-86-4	1-5	
BARIUM SULPHATE	7727-43-7	25-35	
OTHERS		1-2	

PHYSICAL DATA			
PHYSICAL STATE	COLOURED POWDER	SPECIFIC GRAVITY	1-5 -1.6
SOFTENING POINT	45 DEGREES C	VOLATILE % BY VOLUME	-
IGNITION TEMPERATURE	400 DEGREES C		
SOLUBILITY IN WATER	INSOLUBLE		
BULK DENSITY	400-1000KG /M3		

FIRE AND EXPLOSION HAZARD DATA			
FLASH POINT ©	N/APPLICABLE	FLAMABLE LIMITS	N/APPLICABLE
RECOMMENDED EXTINGUISHING MEDIA	ALCOHOL RESISTANT CO2 BLANKET	WATER SPRAY / MIST	
Do not use high pressure inert gas (e.g. CO2 ), water jets Recommendations:			

Fire will produce dense black smoke containing hazardous products of combustion, exposure to decomposition products may be a hazard to health.

Appropriate self-contained breathing apparatus may be required.

Cool closed containers exposed to fire with water spray / mist.

Avoid run off into exposed drains or water courses.

Explosion Limit of a Dust / Air Mixture 30-90 g/m<sup>3</sup>

( Recommended limit value 10g/m<sup>3</sup> ).

### HEALTH HAZARD DATA

Threshold limit value total inhalable dusts 10mg/m<sup>3</sup> over 8 hours. Respirable dusts 5mg/m<sup>3</sup>.

Overexposure effects:

Eye Contact : May cause eye irritation

Skin Contact: May cause localized skin irritation

Inhalation: Dust may be harmful, if inhaled.

### EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT	Flush eyes immediately with plenty of water for at least 10 minutes. Seek medical advice.
SKIN CONTACT	Remove contaminated clothing. Wash skin thoroughly with soap and water. Do not use solvents or thinners.
INHALATION	Move into fresh air, apply artificial respiration and other supportive measures as required. If needed seek medical advice.
INGESTION	Do not induce vomiting, see a doctor as soon as possible.

### STABILITY AND REACTIVITY

Stable under the recommended storage and handling conditions.

In a fire situation, hazardous decomposition products such as smoke, carbon and monodioxide, carbon dioxide and oxides of nitrogen may be produced.

### SPILL OR LEAK PROCEDURES

Exclude sources of ignition and ventilate the area.

Exclude non-essential personnel. Avoid breathing dust.

Contain and collect spillage's with an electrically protected vacuum cleaner or by wet brushing. Place in a closed container for disposal in accordance with waste regulations.

Do not dry brush as dust clouds or static may be created. Do not allow spills to enter drains or watercourse's. Should the product enter drains / or static may be created. Do not allow spills to enter drains or watercourse's. Should the product enter drains / sewer contact local authorities immediately. In case of spills entering streams, rivers or lakes contact the local Environment Agency.

<b>PERSONAL PROTECTION</b>	
Persons with a history of respiratory or allergic responses should only be exposed to , or handle, this product under appropriate medical supervision.	
PERSONAL PROTECTION	Wear protective dust proof overalls, including respiratory protective equipment, dust mask or powdered air purifying face mask, avoid skin contact. Synthetic Gloves should be worn when handling dry powders.
RESPIRATORY PROTECTION	Air-fed respiratory equipment should be worn when this product is sprayed if the exposure of the sprayer or other people nearby cannot be controlled to below the occupational exposure limit and engineering controls and methods cannot be reasonably improved to comply with the limits.
HAND PROTECTION	Where skin exposure may occur, advise should be sought from glove suppliers on appropriate types. Barrier creams may help to protect exposed skin areas but are not substitutes for full protection. These should not be applied once exposure has occurred.
EYE PROTECTION	Eye protection designed to protect against exposure to dusts should be worn anywhere where there is a likelihood of exposure
SKIN PROTECTION	Cotton or cotton/ synthetic coveralls or overalls are normally suitable. Care should be taken in the selection of protective clothing to ensure that inflation and or irritation of the skin at the neck and wrists through contact with the powder is avoided.

<b>HANDLING AND STORAGE</b>	
HANDLING	<p>Precautions should be taken to avoid formation of dusts in concentrations above flammable, explosive or occupational exposure limits. Electrical equipment and lighting should be protected to appropriate standards and to prevent dusts coming into contact with hot surfaces, sparks and any other ignition sources.</p> <p>Keep containers closed, exclude sources of heat and open flame. Avoid inhalation of dusts.</p> <p>Smoking, eating and drinking should be prohibited in areas where powders are stored and or used.</p> <p>Powders should be stored in the same containers as supplied by the original supplier.</p> <p>The product may charge electrically, use earthing leads when transferring powder from one container to another.</p> <p>Operators should wear anti-static footwear and clothing and floors should be electrically conductive.</p> <p>A Manual Handling operation regulation may apply</p>

	to the handling of containers. Refer to the weight guide indicated on the container when carrying out the assessment.
STORAGE	Store containers between 5 - 25C in a dry, well ventilated place away from any heat source, ignition and direct sunlight. Smoking should be prohibited, prevent unauthorized access. Previously opened containers should be resealed and kept upright to prevent leakage.

### **TOXICOLOGICAL INFORMATION**

There is no current data available on finished powders.  
Coating powders can cause localized skin irritation in folds of the skin or in contact with tight clothing.

### **ECOLOGICAL INFORMATION**

There is no current data on finished powders  
The product should not be allowed to enter drains or water courses or where it could affect ground or surface waters.