

# MATERIAL SAFETY DATA SHEET

DATE PREPARED: 09/2016

## I. PRODUCT IDENTIFICATION

### TECH STEEL

STOCK N° 16002, 6002, 6004

#### DISTRIBUTOR:

NLS Products  
BOX 790, 1 Lakewood Crescent  
BOBCAYGEON, ON K0M 1A0

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PRODUCT TYPE: EPOXY RESIN

## 2. COMPOSITION

INGREDIENT NAME	CAS#	ACGIH TLV	OTHER LIMITS	% BY WT.
Reaction Products of Bisphenol A/Epichlorohydrin Based Epoxy Polymer	25068-38-6	NE	NE	15%
Mercaptan Polymer	TRADE SECRET	NE	NE	15%
Magnesium Silicate Hydrate	114807-96-6	2mg/m3*	2mg/m3*	40%
Sodium Calcium Magnesium	65977-17-3	.1mg/m3*	10mg/m3*	10%
Aluminum	7429-90-5	15mg/m3*	10mg/m3*	5%
Tri(dimethylaminomethyl) Phenol	90-72-2	NE	NE	17%

- as respirable dust

## 3. CHEMICAL & PHYSICAL PROPERTIES

**APPEARANCE:** Coextruded black/grey paste      **BOILING POINT:** >200 deg. C  
**MELTING POINT:** N/A    **SOLUBILITY IN WATER:** Insoluble    **SPECIFIC GRAVITY:** 1.92  
**VAPOR PRESSURE (mm/Hg):** N/A    **VAPOR DENSITY (Air=1):** N/A    **EVAPORATION:** N/A

## 4. TOXICITY AND HEALTH HAZARD DATA

**ROUTES OF ENTRY:** Inhalation: Yes      Skin: Yes      Ingestion: Yes

**SIGNS & SYMPTOMS OF EXPOSURE:** Irritation of skin, eyes and respiratory tract.

**HEALTH HAZARDS:** Eyes: Mild irritation, possible minor transient corneal injury.

Skin: Mild irritation, possible sensitizer. Ingestion: Low single dose oral toxicity, LD50>500 mg/kg.

Inhalation: Vapors unlikely.

**EMERGENCY FIRST AID PROCEDURES:** Skin: Wipe clean and wash with soap and water. Eyes:

Flush with water for 15 minutes. Consult physician. Ingestion: Not likely a problem.

Inhalation: Remove to fresh air, keep warm and get medical attention.

Carcinogenicity: NTP: No

IARC: No

OSHA: No

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### 5. FLAMMABILITY AND EXPLOSIVE PROPERTIES

**FLASH POINT (PMCC):** 500 deg. F

**FLAMMABLE LIMITS:** L.E.L.: N.E. U.E.L.: N.E.

**EXTINGUISHING MEDIA:** Foam, Co2, dry chemicals

**SPECIAL FIRE FIGHTING PROCEDURES:** Do not enter fire space without proper protective equipment, including a NIOSH approval self-contained breathing apparatus. Cool containers with water.

**USUAL FIRE & EXPLOSION HAZARDS:** None.

### 6. REACTIVITY DATA

**STABILITY:** Stable

**CONDITIONS TO AVOID:** Storage in open containers, exposure to heat or flames

**INCOMPATIBILITY (materials to avoid):** Strong acids, amines, mercaptans and bases.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon monoxide, carbon dioxide, oxides of nitrogen.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** Storage in open containers, exposure to heat or flames.

### 7. SPILL OR LEAK AND DISPOSAL PROCEDURES

**STEPS TO BE TAKEN IN CASE OF LEAK OR SPILL:** Soak or scrape up with absorbent material and place in labeled container for disposal.

**WASTE DISPOSAL METHOD:** Incinerate in furnace or bury in landfill according to applicable regulations.

**VENTILATION:** Good room ventilation normally adequate.

**PROTECTIVE GLOVES, EYEWEAR, ETC.:** Plastic or rubber gloves, safety glasses with side shields, rubber apron, safety shoes. Sufficient clothing to prevent contact with skin. Wash thoroughly after handling.

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