

**MATERIAL SAFETY DATA SHEET**

**SECTION 1 - PRODUCT INFORMATION**

PRODUCT NAME: Nema GP01, 2 & 3 Sheet

DESCRIPTION: Hitemp sheet, Channels, tubes, angles ad other profiles.

CHEMICAL NAME: Fiberglass reinforced plastic (Polyester resin).

CHEMICAL FORMULA: mixture

MANUFACTURER'S/DISTRIBUTOR'S NAME AND ADDRESS:

**plastruct  polyzone**

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**SECTION II - HAZARDOUS COMPONENTS**

**SECTION III - PHYSICAL PROPERTIES**

APPEARANCE AND ODOUR: Solid, no odour, various colours.

ODOUR THRESHOLD: Not established.

SPECIFIC GRAVITY: 1.5 - 2.0

VAPOUR PRESSURE (mm): NA

VAPOUR DENSITY (air=1): NA

EVAPORATION RATE: NA

BOILING POINT: NA

FREEZING POINT: NA

SOLUBILITY IN WATER: insoluble

% VOLATILE: NA

pH: NA

DENSITY: 1.5 - 2.0

COEFFICIENT OF WATER/OIL DISTRIBUTION: NA

#### **SECTION IV - FIRE AND EXPLOSION DATA**

FLAMMABILITY: Not a flammable hazard under normal industrial conditions.

FIRE EXTINGUISHING MEDIA: Water, CO<sub>2</sub>, chemical.

SPECIAL FIRE FIGHTING PROCEDURES: Self contained respiratory equipment.

FLASH POINT (DEGREES F<PENSKY MARTINS CLOSED CUP): none

FLASHPOINT (°C) AND METHOD: NA

UPPER EXPLOSION LIMIT (% by volume): NA

LOWER EXPLOSION LIMIT (% by volume): NA

AUTO IGNITION TEMPERATURE (°C): NA

TDG FLAMMABILITY CLASSIFICATION: Not established.

HAZARDOUS COMBUSTION PRODUCTS: Dense smoke, CO

EXPLOSION DATA:

    SENSITIVITY TO CHEMICAL IMPACT: none

    RATE OF BURNING: Not established.

    EXPLOSION POWER: NA

    SENSITIVITY TO STATIC DISCHARGE: Not established.

## SECTION V - REACTIVITY DATA

STABILITY: Stable.

INCOMPATIBILITY TO OTHER SUBSTANCES: Long exposure to organic solvents may soften materials.

REACTIVITY AND UNDER WHAT CONDITIONS: none

HAZARDOUS DECOMPOSITION PRODUCTS: Under fire conditions fumes may contain carbon monoxide.

## SECTION VI - TOXICOLOGICAL PROPERTIES OF PRODUCT

ROUTE OF ENTRY:

SKIN CONTACT:

SKIN ABSORPTION:

EYE CONTACT:

INHALATION: X

INGESTION:

If cutting treat as nuisance dust.

EFFECTS OF EXPOSURE TO PRODUCT (Acute and chronic): Avoid inhaling dust when fabricating and fumes when burning. May irritate lungs, mucus membranes and cause asphyxiation.

LD OF PRODUCT (Specify species and route): Not established.

IRRITANCY OF PRODUCT: Nuisance dust.

EXPOSURE LIMITS OF PRODUCT: 10mg/m<sup>2</sup> as glass dust

LC OF PRODUCT (Specify species): Not established.

SENSITIZATION TO PRODUCT: As dust.

CARCINOGENICITY: none

## **SECTION VII - PREVENTIVE MEASURES**

**PERSONAL PROTECTIVE EQUIPMENT:** Gloves and safety shoes, if machining wear dust mask and safety glasses.

**GLOVES:** Cloth.

**RESPIRATORY:** Std. dust mask.

**EYE:** Safety glasses.

**FOOTWEAR:** Safety shoes.

**CLOTHING:** Long sleeves, pants.

**OTHER:** Machining can produce splinters.

**ENGINEERING CONTROLS:** Vacuum if prolonged cutting, drilling, grinding, sanding, etc.

**LEAK AND SPILL PROCEDURE:** Vacuum or sweep as nuisance dust.

**WASTE DISPOSAL:** No special requirements.

**HANDLING PROCEDURES AND EQUIPMENT:** No special requirements.

**STORAGE REQUIREMENTS:** No special requirements.

**SPECIAL SHIPPING INFORMATION:** No special requirements.

## **SECTION VIII - FIRST AID MEASURES**

**SKIN:** Cutting dust - Possible mechanical dermatitis, wash off with soap and water.

**EYE:** Cutting dust - Possible mechanical irritation, irrigate eyes for 15 minutes with water.

**INHALATION:** Cutting dust - Possible mechanical irritation, no specific treatment.

**INGESTION:** Cutting dust - Possible mechanical irritation, no specific treatment.

**GENERAL ADVISE:**

## SECTION X - ADDITIONAL INFORMATION

EFFECTIVE DATE: June 3, 2013.

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