



MATERIAL SAFETY DATA SHEET

According to ANSI- Z400.1-1993 16-Section MSDS format.

Data: AUG. 03, 2017

Number: RJSSH005198MSDSUS

SECTION I - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT IDENTITY: (As Used on Label and List)

Product Name: Centrum High Performance Drill Entry Board

Type: AL Series

SUPPLIER INFORMATION:

Ventec International Group

Address:

Ventec Electronics Co. Ltd,
308 TaiShan Road,
New District Suzhou,
Jiangsu, P.R.China 215129

SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Cas No.	EC No.	Percent
Aluminium	7429-90-5	231-072-3	≥99.5%
Epoxy resin	106-89-8	N/A	≥99.5%
Polyethylene glycol	25322-68-3	N/A	≥99.5%

SECTION III - HAZARDS IDENTIFICATION

Caution! Cutting or grinding this material may generate dust possibly containing crystalline silica. Chronic inhalation of crystalline silica may lead to fibrotic lung disease, silicosis or cancer. Dust may contain phthalic anhydride, which may cause irritation, respiratory and skin sensitization. **Target Organs:** Lungs.

Potential Health Effects

Eye: Dust may cause mechanical irritation. Dusts may cause persistent eye irritation and conjunctivitis.

Skin: Dust causes mechanical irritation. May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material.

Ingestion: Ingestion of large amounts may cause gastrointestinal irritation.

Inhalation: Dust is irritating to the respiratory tract. May cause allergic respiratory reaction.

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Chronic: Prolonged exposure to respirable crystalline quartz may cause delayed lung injury/fibrosis (silicosis). Cutting or grinding of the top material may generate dust which may contain crystalline silica.

SECTION IV - FIRST AID MEASURES

Eye Contact: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally to remove particles. Seek medical aid.

Skin Contact: Wash exposed area with soap and water. If irritation persists, seek medical attention. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. **Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. **Ingestion:** Not a likely route of exposure. Induce vomiting if large quantities are swallowed. Get medical attention.

SECTION V - FIRE FIGHTING MEASURES

Fire Hazard Summary:

This material is molten if being heated strongly.

Extinguishing Media:

Use water, water fog or foam, carbon dioxide or dry chemical to extinguish fires.

Special Information:

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Dusts at sufficient concentrations can form explosive mixtures with air. Combustion generates toxic fumes.

SECTION VI - ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Wear appropriate personal protective equipment as specified in Section VIII.

Accidental Release Measures:

Sweep, scoop or pick up spilled material, package for reclamation or recovery. Any product recovery or disposal must comply with local, state, federal, international or country specific regulations.



SECTION VII - HANDLING AND STORAGE

Handling: Keep far away from fire sources, heated or molten product when handling. Washing thoroughly after handling. Avoid contact with eyes. Avoid ingestion.

Storage: Store in a cool, dry, and well-ventilated area and away from sources of ignition, excessive heat and direct sunlight. Keep container closed when not in use. Protect from physical damage. Put it lightly when packing and transport, prevent the packing and container from damage. Keep out of reach of children.

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

Signs and Symptoms of Exposure:

There are no significant health hazards under normal conditions of use. Dust of the product may cause eyes and skin irritation. Harmful if swallowed. Prolonged breathing of vapors may cause respiratory irritation.

Medical Conditions Generally Aggravated by Exposure: None known.

Respiratory Protection (Specify Type): N/A

Ventilation:

Local Exhaust: Yes

Mechanical (General): No

Special Other: No

Personal Protective Equipment:

Eye/Face Protection: Not expected to require eye/face protection in ordinary use. Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166 and maintain eye wash fountain and quick-drench facilities in workshop.

Skin Protection: Not expected to require skin protection in ordinary use. But in workshop, appropriate gloves and impervious protective clothing, including boot, gloves, lab coat, apron or coveralls should be worn to prevent skin exposure.

Respiratory Protection: Not expected to require respiratory protection in ordinary use. But in workshop, respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN149 must be followed whenever workplace conditions warrant a respirator's use.

Protective Clothing: Not expected to require protective clothing in ordinary use. In workshop, use impervious protective clothing to avoid prolonged skin contact. Also use chemical goggles.

Additional Protective Measures: Wash after use and before eating, drinking or smoking.

Work/Hygienic Practices: None required in normal use.

Engineering Controls: None required in normal use.



Section IX - PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor: Silvery metal / odorless.

Solubility in Water: soluble.

Melting Point: N/D

Flash Point: N/D

SECTION X - STABILITY AND REACTIVITY

Stability:

The product is considered stable under normal conditions.

Hazardous Polymerization:

Will not occur.

Incompatibility - Materials to Avoid:

Incompatible with halogens, strong acids, caustics, strong oxidizing agents, halogenated hydrocarbons.

Conditions to Avoid:

Avoid direct sunlight, excessive heat, physical damage, moisture and air sensitive.

Corrosive to Metals:

Not corrosive.

SECTION XI - TOXICOLOGICAL INFORMATION

Carcinogenicity (NTP) (IARC) (OSHA):

Not listed as a carcinogen.

Teratogenicity and Embryotoxicity:

No human information was located.

Reproductive Toxicity:

No human or animal information was located.

Mutagenicity:

No human or animal information was located.

SECTION XII - ECOLOGICAL INFORMATION

Environmental Toxicity:

On the basis of available information, this product is not expected to produce any significant adverse environmental effects when recommended use instructions are followed.

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SECTION XIII - DISPOSAL CONSIDERATIONS

Waste Disposal Method:

Put into dustbin, otherwise incineration, otherwise licensed landfill, or safe disposal as required by local, state, federal, international or country specific regulations.

SECTION XIV - TRANSPORT INFORMATION

DOT (Department of Transportation): Not regulated.

Hazard Class: Not regulated.

Identification Number: Not applicable.

IMO: Not regulated.

IATA/ICAO Class: Not regulated.

UN Hazard Codes: Not regulated.

The regulations may change from time to time. Please consult the most recent version of the relevant regulations.

SECTION XV - REGULATORY INFORMATION

NFPA Hazard Code:

Health hazard rating is 0.

Fire hazard is 1.

Reactivity rating is 0.

Special Hazard: None

These chemical substances of product are not listed in a priority list (as foreseen under Council Regulation (EEC) No 793/93 on the evaluation and control of the risks of existing substances.).

SECTION XVI - OTHER INFORMATION

This Material Safety Data Sheet (MSDS) is for guidance and is based upon information and tests believed to be reliable. RJS Standard Testing & Certification Center makes no guarantee of the accuracy or completeness of the data and shall not be liable for any damages relating thereto. The data is offered solely for your consideration, investigation, and verification. RJS Standard Testing & Certification Center assumes no legal responsibility for use or reliance upon this data.



NOTE

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