

MATERIAL SAFETY DATA SHEET FOR VEINTE

1. PRODUCT AND COMPANY IDENTIFICATION

Product name : SDD 100% acrylic solid surface materials

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient CAS Number Percent TLV/PEL

Acrylic Polymer 9011 - 14 - 7 40~45 N/M

Hydrated Alumina, Aluminum Hydroxide,

Aluminum Trihydroxide

21645 - 51 – 2 55~60 N/M

3. HAZARDS IDENTIFICATION

“SDD sheet” is not hazardous when shipped. However, operations such as sawing, routing, drilling and sanding can generate dust. High concentrations of dust can irritate eyes, nose and respiratory passages and cause coughing and sneezing. Even though there is no exposure limit established for dust from “SDD sheet” (See details in the Exposure Controls/Personal Protection Section of this MSDS), avoid breathing dust. “SDD sheet” does not offgas at room temperature. At higher temperature, small amount of methyl methacrylate can be released. The amount depends on temperature, time and other variables. Methyl methacrylate vapors can irritate eyes, skin, nose and throat and cause allergic skin rashes. Overexposure to methyl methacrylate vapors can cause headache, nausea, weakness and lung irritation with coughing, discomfort and shortness of breath. Individuals with preexisting lung or skin problems may be more susceptible to the effects of overexposure to methyl methacrylate.

4. FIRST AID MEASURES

Inhalation : Move to fresh air, allow victim to rest in well ventilated area. If irritation persists, get medical attention.

Eye contact : Upon contact with nuisance dust particles, flush eyes immediately for 15 minutes. If irritation persists, get medical attention.

Skin contact : Always wash hands thoroughly with soap and water. If irritation occurs, get medical attention

Ingestion : Not applicable

Notes to Physician: No additional information

5. FIRE FIGHTING MEASURES

After spillage/leakage/gas leakage : Keep away from all ignition sources. Ensure adequate ventilation. Use personal protective equipment. Soak up with inert absorbent material. Clean with detergents. Avoid

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solvents.

Extinguishing media : Dry powder, foam, carbon dioxide, water spray

6. ACCIDENTAL RELEASE MEASURES

Review **Fire Fighting Measures** and **Handling and Storage** sections before proceeding with clean-up. Use appropriate personal protective equipment during clean-up.

7. HANDLING AND STORAGE

Handling : Should be unloaded with a forklift or other lifting device capable of handling the pallets safely. If lifting device is not available, always carry one sheet at a time in the vertical position and wear heavy-duty protective gloves and proper safety shoes. Should be done by two people facing each other on short sides with one hand under to support and the other hand on top to control the sheet.

Storage : Keep sheets flat and evenly supported at temperature between 15 ~ 23°C (59° ~ 73°F) and in dry and well ventilated indoor area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Technical Protective Measures : Provide for appropriate exhaust ventilation and dust collection at machinery.

Personal Protective Equipment :

Respiration (During machining operation) : In case of insufficient ventilation, wear

Appropriate respiratory equipment in compliance with local regulations.

Eyes (During machining operation) : Use tightly fitting safety goggles or face-shield.

Hands (During machining operation) : Wear protective gloves.

Others (During machining operation) : Use ear protection, safety shoes

People who are highly sensitive should take precautions due to possible eye, nose or throat irritation from SDD dust and fumes.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : Solid sheet

Color : Various

Order : None

Boiling Point : Not applicable

Melting Point : Not applicable

Specific Gravity (Water = 1) : 1.6 ~ 1.8

Vapor Pressure (mmHg) : Not applicable

Vapor Density (Air = 1) : Not applicable

Solubility in Water : Insoluble

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pH : Not applicable

Flash Point : Not applicable

Ignition Temperature : Not applicable

Explosion Limits : Lower = Not applicable Upper = Not applicable

10. STABILITY AND REACTIVITY

Thermal decomposition product : Frictional heat generated from sawing and routing SDD sheet can reach or exceed temperature of 300°C. This is high enough to release small amount of methyl methacrylate vapor.

Hazardous Decomposition Product : arbon monoxide, methyl methacrylate monomer, smoke

Hazardous Reaction : None

Further Information : Sprayed mist may be flammable at temperature below the flash point.

11. TOXICOLOGICAL INFORMATION

Methyl Methacrylate TLV-TWA = 100 ppm = 410 mg/m³; ACGIH (1991-2)

LD50/oral/rat = 7872 mg/kg ; RTECS, 47796

Methyl methacrylate can be present on the cutting tool face at a concentration exceeding the TLV of 100 ppm. However, it dissipates to very low levels with good ventilation.

12. ECOLOGICAL INFORMATION

No information available

13. DISPOSAL CONSIDERATIONS

Can be landfilled or incinerated, when in compliance with local regulations.

14. TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION

TSCA Inventory Status: In compliance with TSCA Inventory requirements for commercial purposes.

16. OTHER INFORMATION

Do not use in medical applications involving permanent implantation in the human body.

NOTICE TO READER: The data contained herein and recommendations presented are based upon information considered to be accurate as of this date. However, we make no guarantee or warranty, either expressed or implied, of the completeness of this data and recommendations, and assumes no liability in connection with any use of this information.