

MATERIAL SAFETY DATA SHEET

M3 Metal Composite

FILE NO.: M3001
MSDS DATE: 12/08/10

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Macro Molecular Metal Composite
SYNONYMS: M3 Metal Composite

MANUFACTURER: M3 Composite Industries
DIVISION:
ADDRESS: 1130 Springtown Road, Unit C
Alpha, New Jersey 08868

EMERGENCY PHONE: (888) 478-6745
CHEMTREC PHONE: (800) 424-9300
FAX PHONE: (888) 478-6745
EMAIL: info@M3ci.com

PRODUCT USE:

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT:</u>	<u>CAS NO.</u>	<u>% by Weight</u>	<u>Exposure Limits</u>
Metal Alloy	7440-50-8	< 90%	NA
Binder	NA	> 10%	NA

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: M3 Metal Composite material is not hazardous as shipped. However, operations such as sawing, drilling, machining and sanding can generate dust.

ROUTES OF ENTRY: Inhalation (dust during machining). Dust in the eyes.

POTENTIAL HEALTH EFFECTS FROM DUST

EYES: Dust may cause mechanical irritation.

SKIN: Dust may cause mechanical irritation. Any sharp edges may cut or abrade the skin.

INGESTION: NA

INHALATION: Dust may produce irritation to respiratory tract.

ACUTE HEALTH HAZARDS: NA

CHRONIC HEALTH HAZARDS: Repeated exposure may produce eye irritation. Repeated inhalation may produce chronic respiratory irritation.

MEDICAL CONDITIONS GENERALLY

AGGRAVATED BY EXPOSURE: Asthmatic and/or allergy conditions may be aggravated by exposure to dust.

OVEREXPOSURE SIGNS/SYMPTOMS: Inflammation of eye characterized redness, watering and itching. Skin irritation is characterized itching, scaling and redness

SECTION 4: FIRST AID MEASURES

EYES: Upon contact with nuisance dust particles, flush eyes immediately with large amounts of water for a minimum of 15 minutes. Seek medical attention.

SKIN: The material is not likely to be hazardous by skin contact but cleansing the skin after use is advisable.

INGESTION: No specific intervention is indicated as material is not likely to be hazardous by ingestion. Consult a physician if necessary.

MATERIAL SAFETY DATA SHEET
M3 Metal Composite

FILE NO.: M3001
MSDS DATE: 12/08/10

SECTION 4: FIRST AID MEASURES (cont.)

INHALATION: No specific intervention is indicated as the material is not likely to be hazardous by inhalation. However, if large amounts of dust are inhaled, or if exposed to fumes from overheating or combustion, remove to fresh air. Consult a physician if breathing is difficult or if symptoms persist.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: NA

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABILITY OF MATERIAL: Non-Flammable

FLASH POINT: NA

AUTOIGNITION TEMPERATURE: NA

EXTINGUISHING MEDIA: Water, Dry Chemical, CO₂, Foam.

SPECIAL FIRE FIGHTING PROCEDURES: Keep personnel removed and upwind of fire. Wear self-contained breathing apparatus (SCBA) and full turnout gear.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

PRODUCTS OF COMBUSTION: Small quantities of HCN, CO, CO₂, approximately same as wood

SECTION 5 NOTES: Non-Flammable in presence of sparks, shocks, oxidizing materials, reducing materials, combustible materials, organic materials, metals, acids, alkalis and moisture. Will not conduct electricity.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: NA

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: No special requirements.

OTHER PRECAUTIONS: If user operations generate dust use ventilation and wear appropriate dust mask and eye protection.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: If user operations (machining, sanding, cutting) generate dust then follow guidelines detailed below. Provide for appropriate exhaust ventilation and dust collection at machinery.

RESPIRATORY PROTECTION: During grinding, sanding, or sawing operations, if airborne particulate concentrations are expected to exceed permissible exposure limits, use a half face NIOSH approved air purifying respirator with type N100 filter. Respirators should be selected based on the form and concentration of the contaminant in air and in accordance with OSHA Respiratory Protection Standard CFR 1910.134.

EYE PROTECTION: Wear safety glasses with side shields during operations such as sawing, sanding, drilling or routing.

SKIN PROTECTION: Wear gloves during operations such as sawing, routing or drilling.

EXPOSURE GUIDELINES: NA

MATERIAL SAFETY DATA SHEET
M3 Metal Composite

FILE NO.: M3001
MSDS DATE: 12/08/10

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Solid
ODOR: None
SOLUBILITY IN WATER: Not water soluble

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Material is stable.
CONDITIONS TO AVOID (STABILITY): NA
INCOMPATIBILITY (MATERIAL TO AVOID): NA
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: NA
HAZARDOUS POLYMERIZATION: Will not occur.
CONDITIONS TO AVOID (POLYMERIZATION): NA

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: The material is not toxic to humans or animals.

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: NA

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose or recycle as per local, city, state and federal regulations.
RCRA HAZARD CLASS: None.

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION: Not a DOT controlled material (United States)
WATER TRANSPORTATION: Not a marine pollutant.
AIR TRANSPORTATION: NA

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS
TSCA (TOXIC SUBSTANCE CONTROL ACT): NA
CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): NA
SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): NA
311/312 HAZARD CATEGORIES: NA
313 REPORTABLE INGREDIENTS: NA

MATERIAL SAFETY DATA SHEET

M3 Metal Composite

SECTION 15: REGULATORY INFORMATION (cont.)

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STATE REGULATIONS: NA

INTERNATIONAL REGULATIONS: NA

SECTION 16: OTHER INFORMATION

DISCLAIMER: The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

This information is based upon technical information believed to be reliable. It is subject to revision as additional knowledge and experience is gained.