

Material Safety Data Sheet

May be used to comply with
OSHA's Hazard Communication Standard,
29 CFR 1910.1200. Standard must be
consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No.1218-0072

Identity (As Used on Label and List) KYOWAGLAS-XA	Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.
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SECTION I

Manufacturer's Name Nuclead Mfg. Co., Inc.
Address 415 North Elm St.; West Bridgewater, MA 02379
Phone Number (For informati (508)-583-2699
Emergency Phone Number (508)-583-2699
MSDS Number : R31-001-01
Date Prepared : April 27, 1998
Prepared By : Functional Products Sales Section

SECTION II - MATERIAL IDENTIFICATION AND INFORMATION

Components — Chemical Name & Common Name (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)	%	OSHA PEL	ACGIH TLV	Other Limits Recommended
1. P(MMA-Lead Methacrylate)	100	—	—	—
Non-Hazardous Ingredients	100			
Total	100			

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point : Not Applicable Solubility in Water : Not Applicable
Specific Gravity (H₂O=1) : 1.6 Melting Point : Not Applicable
Evaporation Rate : Not Applicable Water Reactive : Not Applicable
Vapor Density (Air=1) : Not Applicable
Vapor Pressure (mmHg and Temperature) : Not Applicable
Appearance and Odor : Sheet, Not Odor

SECTION IV — FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method Used : Not Applicable
Auto-Ignition Temperature : Above 400°C
Flammability Limits : Not Applicable
LEL : UEL :
Extinguisher Media : Use extinguishing media appropriate for surrounding fire
Specific Fire Fighting Procedures : Not Applicable
Unusual Fire and Explosion Hazards : Thermal decomposition may yield monomers.

SECTION V — REACTIVITY HAZARD DATA

Stability Conditions to Avoid: 400°C
 Stable Unstable
Incompatibility : Avoid contact with acids, alkalis and strong oxidizing agents.
(Materials to Avoid)
Hazardous : Thermal decomposition may yield monomers.
Decomposition Products
Hazardous Polymerization Conditions to Avoid: Not Applicable
 May Occur Will Not Occur

SECTION VI — HEALTH HAZARD DATA

Primary Routes of Entry Inhalation Ingestion
 Skin Absorption Not Hazardous
Carcinogen Listed in NTP OSHA
 IARC Monograph Not Listed
Health Hazards Acute : Not Applicable
Chronic : Not Applicable
Signs and Symptoms of Exposure : Not Applicable
Medical Conditions Generally Aggravated by Exposure : Not Applicable
Emergency First Aid Procedures — Seek medical assistance for further treatment, observation and support if necessary.
Eye Contact : Flush eyes with a large amount of water and get a medical treatment.
Skin Contact : No Effect.
Inhalation : Move Subject to Fresh Air
Ingestion : Vomit immediately and get a medical treatment.
Don't make the subject drink anything in case he/she is unconscious.

SECTION VII — CONTROL AND PROTECTIVE MEASURES

Respiratory Protection (Specify Type)	: Use dust-proof masks during machining.
Protective Gloves	: Use safety gloves during handling.
Eye Protection	: Use safety glasses during machining.
Ventilation	: Use local exhaust systems during machining.
Other Protective Clothing and Equipment	: During machining, use clothes for exclusive use in machining rooms only in order to prevent dust from pollute an atmosphere out of the machining rooms.
Hygienic Work Practices	: Not applicable

SECTION VIII — PRECAUTIONS FOR SAFE HANDLING AND USE/LEAK PROCEDURES

Steps to be Taken if Material is Spilled Or Released	: Collect wastes and dust, and never make them scattered or spilled.
Waste Disposal Method	: Dispose of wastes according to guidance from local authorities with special attention to a component of lead.
Precautions to be Taken in Handling and Storage	: Avoid high humidity, direct sunlight, fire and high temperature.
Other Precautions and/or Special Hazards	: Not required.

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