



Specialized in chemicals

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Material Safety Data Sheet

Melamine Cyanurate

Section 1: Chemical Product and Company Identification

Product Name: Melamine Cyanurate

CAS#: 37640-57-6

Chemical Formula: C₆H₉N₉O₃

Molecular Weight: 255.2

Contact Information for Emergency: (0086) 551 65418681

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Section 2: Composition and Information on Ingredients

Ingredient: Melamine cyanurate

Purity: >99.5%

Section 3: Hazards Identification

Physical/chemical hazards: None

Effect of exposure: irritating to eyes and respiratory tract at exposure above. Symptom of exposure

Inhalation: Sore throat, coughing.

Ingestion: >10g may Result in abdominal pain.

Skin contact: No irritation

Eye contact: Redness, pain.

Section 4: First Aid Measures

INHALATION

In working you inhale the gas, go to avoid that area and breath fresh air.

When excessivly, after doing above state and take a measure with doctor

SKIN CONTACT

Cool it with proper water, when the molten flow contact.

Don't remove it enhancing the skin when it is attached very critically.

In allergic conditon, wash it with clean water and soap.

With injured, go to doctor for measure.

EYE CONTACT

If not hot comes, wash eye with flowing, clean water.

Don't rub eye, wash it with blink.

If hot melten contact, go to doctor immediately for measure.

INGESTION

Vomit it after drinking several cup of water if not hot material.

In case of hot material, drinking clean water and take a measure from doctor.

Section 5: Fire and Explosion Data

EXTINGUISH KNACK

Occupy safty distance, and spray an extinguisher of fiber.

If there is not extingusher available, use sand or hydrant.

Firefighter should wear proper protective equipment.

Take the people shelter who is near by.

Note, sometimes water might be not available, when extinguishment

A KIND OF EXTINGUISHMENT

ABC POWDER, HARON EXTINGUISHMENT, SAND, CARBONDIOXIDE, WATER, etc

FIREFIGHTING PROTECTIVE EQUIPMENT

Full firefighting turn-out gear (bunker gear).

Any supplied-air respirator with full facepiece and operated in a pressure-demand or other positive-pressure mode in combination with a separate escape supply.

Any self-contained breathing apparatus with a full facepiece.

Section 6: Accidental Release Measures

MEASURES FOR HANDLING PERSONNEL

Shut off all sources of ignition : no flames, no smoking in area

MEASURES FOR ENVIRONMENTAL EFFECTS

Take away in assortment

Don't discharge to river

MEASURES WHEN HANDLING SPILLED SUBSTANCES

Keep it saperately after having it swept

Section 7: Handling and Storage

HANDLING

Exposure control for handling personnel; Use only in the well-ventilated areas; Don't breathe dust; When using, don't smoke and don't have igniter

Protective measures against & explosion

Shut off all gas pilot and electrical(spark or hot wire)ignites and other sources of ignition during use and until all vapors(odors) are gone.

Prevent deposition of dust.

Don't expose to friction or shock; Prevent build-up of electrostatic charges (e-g . by grounding); In case of fire and/or explosion, don't breathe fumes.

Others

Avoid rough handling or dropping; Don't flush to sewer or waterways; Don't mix with : In a molding machine : acids

STORAGE

Make it packed to prevent the moisture; Keep away from heat, steam pipe or sunlight; Incompatibility (Specific materials to be avoided) : acids, bases, oxidizing agents, water.

Section 8: Exposure Controls/Personal Protection

Control parameter e.g. occupational exposure limit values or biological limit values

local regulation:N.A

ACGIH regulation:N.A

biological limit values:N.A

Appropriate engineering controls

Use only in the well-ventilated areas; Don't breathe dust ;When using, don't smoke and don't have igniter; Shut off all gas pilot and electrical(spark or hot wire)ignites and other sources of ignition during use and until all vapors(odors) are gone; Prevent deposition of dust; Don't expose to friction or shock; In case of fire and/or explosion, don't breathe fumes.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory protection

Any air-purifying respirator with a high-efficiency particulate filter.

Any powered, air-purifying respirator with a high-efficiency particulate filter.

Eye Protection

Wear protective eyeglasses or chemical safety goggles.

Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

Hand Protection

Wear appropriate chemical resistant gloves.

Body Protection

Wear appropriate chemical resistant cloths.

Matters that require attention for reasons of sanitation :N.A

Exposure standard:N.A

Section 9: Physical and Chemical Properties

Appearance: Fine,white powder
Phosphates:31.0-32.0%(w/w)
Water content:0.25max
Density at 25°C: 1.9g/cm³
Apparent densit:0.7 g/cm³
Viscosity(at 25°C,10% suspension):10g/L,max
Thermal decomposition:≥270°C
PH value(10 suspension):5.5-7.5
Weight loss: 350°C approx 5%(w/w)
450°C approx10%(w/w)
550°C approx20%(w/w)
Boiling point: Not applicable
Melting point :Decomposition at temperatures above 270°C
Flash point: Not applicable
Lower explosion limit: Not applicalbe
Upper explosion limit: Not applicable

Section 10: Stability and Reactivity Data

Chemical reactivity and stability

In general condition it is most safe.

Possibility of hazardous reactions

In general condition it is most safe.

Condition to be avoided

Mixture with acids or bases.

Exposure of water

Incompatibility with Other Material

Strong acids, base (decomposes forming formaldehyde) and oxidizing materials. At melt temperatures,

Harzard Gases from combustion

Mono-oxide, Carbon dioxide

This product is considered a stable material under normal and anticipated storage

The mixture of air and dust can be explosion.

Section 11: Toxicological Information

Acute toxicity

Oral:LD50 rat>2000mg/kg

Eye irritation: slightly irritating

Skin irritation: No irritating

Sensitization: Not sensitizing(Expected on basis of structure)

Section 12: Ecological Information	
Persistence and degradability: no data available	Toxicity: no data available
Bioaccumulative potential: no data available	Mobility in soil: no data available
PBT and vPvB assessment: no data available	Other adverse effects: no data available

Section 13: Disposal Considerations
Discard methods : According to method of administration of waste.
Disposal Considerations: Discard it within an airtight container to prevent spilling.

Section 14: Transport Information
UN number : There is no reliable information about classification.
UN proper shipping name: N.A
Transport hazard class : N.A
Packing group, if applicable : N.A
Environmental hazards : N.A
Transport in bulk : N.A
Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises : N.A

Section 15: Other Regulatory Information
U.S. REGULATIONS
TSCA INVENTORY STATUS: Y
TSCA 12(b) EXPORT NOTIFICATION: Not listed.
CERCLA SECTION 103 (40CFR302.4): N
SARA SECTION 302 (40CFR355.30): N
SARA SECTION 304 (40CFR355.40): N
SARA SECTION 313 (40CFR372.65): N
SARA HAZARD CATEGORIES, SARA SECTIONS 311/312 (40CFR370.21)
ACUTE: N
CHRONIC: N
FIRE: N
REACTIVE: N
SUDDEN RELEASE: N
OSHA PROCESS SAFETY (29 CFR 1910.1200): N
STATE REGULATIONS:
CALIFORNIA PROPOSITION 65: N

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall we m be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if we have been advised of the possibility of such damages.