



TULSTAR PRODUCTS, INC.

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MATERIAL SAFETY DATA SHEET

Company Information

Company Information: **TULSTAR PRODUCTS, INC.**
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Emergency Phone Number: CHEMTREC 800-424-9300 (24 hours)

Identification

Product Name: Naphthalene
Synonyms: Crude/Refined Naphthalene (78c to 79.6)
Chemical Family: Aromatic Hydrocarbon
Chemical Formula: Not available
Product Uses: Insecticides, Chemical Intermediate
CAS Number: 91-20-3

Composition/Ingredients

%: 98-100
CAS/TLV: 91-20-3 10 ppm
LD/50, Route, Species: >5000 mg/kg Rat/Oral
LC/50, Route, Species: Not Available

Hazards Identification

Effects of Acute Exposure:

Skin: Not hazardous. May cause burns if Naphthalene on skin is exposed to sunlight. Not absorbed to any appreciable extent through the skin.
Inhalation: May cause headaches, nausea and perspiration.
Ingestion: May cause cramps, nausea, vomiting and diarrhea.
Eye Contact: May cause irritation. May cause corneal injury and conjunctivitis.
Effects of Chronic Exposure: Causes nausea, headaches, diaphoresis, hematoma, fever, anemia, liver damage, convulsions and coma.

First Aid Measures

Skin Contact: Thoroughly wash with soap and water.
Inhalation: Remove patient to fresh air. Provide artificial respiration if required.
Ingestion: Give water if conscious and induce vomiting. Get medical attention.
Eye Contact: Immediately flush with large quantities of water for a minimum of 15 minutes. Get medical attention.

Fire Fighting Measures

Flash Point: 88° C (T.C.C.)
Auto Ignition: 540°C
Upper Flammable Limit (% Vol): 5-9

Lower Flammable Limit (% Vol): 0-9
Extinguishing Media: Carbon Dioxide, Dry Chemical, Foam or Water.
Hazardous Combustion Products: Carbon Monoxide and Carbon Dioxide.
Sensitivity to Mechanical Impact: None
Sensitivity to Static Discharge: Low

Accidental Release Measures

Leak/Spill: Dike spill if possible. Avoid breathing vapors. Wear self-contained breathing apparatus for large spills in a confined area. Molten Naphthalene may be allowed to solidify for recovery with non-sparking tools.

Handling and Storage

Handling: Shower thoroughly at the end of the work period.
Storage Needs: Store in a cool, dry, well-ventilated area.

Exposure Controls/Personal Protection

Eye/Type: Do not wear contact lenses. Wear safety goggles.
Respiratory/Type: None required under normal use.
Gloves/Type: Chemical resistant gloves
Clothing/Type: Wear coveralls or lab coats
Footwear/type: Wear work boots
Ventilation Requirements: Local exhaust at points of emission.

Physical and Chemical Properties

Appearance: White
Physical State: Material at ambient conditions: solid, flakes, chips, and balls.
Odor: Strong aromatic odor characteristic of mothballs.
Odor Threshold (ppm): Not Available
Specific Gravity: 1.145
Vapor Pressure: 1.0 mmHg, 52.5 C
Vapor Density: 4.42 (Air=1) (mg/m3)
Evaporation Rate: <1
Boiling Point: 218°C
pH: Not applicable
Coefficient of water/oil: Not available
Distribution:
Freezing Point: Not available
Melting Point: 80.2°C

Stability and Reactivity

Hazardous Polymerization: Will not occur.
Stability: Stable under normal conditions.
Incompatibility: Oxidant material
Conditions of Reactivity: Avoid strong oxidizers such as chromic anhydride.
Hazardous Products of Decomposition: Carbon Monoxide and Carbon Dioxide.

Toxicological Information

Irritancy of Material: May cause eye and skin irritation at >15ppm.
Sensitizing Capability of Material: Not Determined.
Carcinogenicity of Material: Not Listed by IARC, NIOSH, MAX, NTP to TLV.
Teratogenicity of Material: No Known Effects.
Mutagenicity: No Known Effects.
Reproductive Effects: No Known Effects.
Synergistic Materials: Not available.

Ecological Information

Environmental: Follow all federal, provincial and municipal regulations.
Biodegradability: Not available.

Disposal Considerations

Waste Disposal: Has hazardous waste No. U165, Based on RCRA. Dispose of in accordance with local regulations.

Transport Information

Shipping Name: Naphthalene, Refined.
Classification: 4.1 (9.2)
P.I.N.: UN1334
Packing Group: III
Label Required: Flammable Solid

Regulatory Information

WHMIS Classification: Not Regulated.
CPR Compliance: This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.