

MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

SUBSTANCE IDENTIFICATION: Chlorinated Paraffin waxes and Hydrocarbon waxes

CAS #: 63449-39-8

PRODUCT NAME: Synthetic Rosin Powder

PRODUCT USE: Flame Retardant, Plastics Compounding, Grip improving

COMPANY IDENTIFICATION:

CHEMICAL STORE INC.

1059 MAIN AVENUE, CLIFTON, NJ 07011

TELEPHONE: (973) 405-6248

EMERGENCY TELEPHONE:

Chemical Store Inc: 1-973-405-6248

Chemical Store Inc: (Toll-Free): 1-888-765-7349

2. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT	CAS #	% By Wt.	OSHA HAZARD
Chlorinated Waxes	63449-39-8	99	Physical Hazard: No

EINECS/ELINCS NUMBER: 264-150-0

Health Hazard: No, see Section 8,

EC CLASSIFICATION: Does not meet Dangerous Substance criteria. PEL, Nuisance Dust

EC LABEL: None required

EC R: None required

EC S: None required

3. HAZARDS IDENTIFICATION

3.1 EMERGENCY OVERVIEW:

White, odorless solid, powder (See Section 9). Avoid prolonged contact with eyes or skin and dust inhalation (See Section 3 below). Avoid contact with strong oxidizers and reducers. Material becomes molten and free flowing at softening point. Protect against decomposition products of hydrogen chloride and oxides of carbon (See Sections 5, 7 and 10).

HMIS RATING: HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 1 PPE: B

3.2 POTENTIAL HEALTH EFFECTS:

This particular product has not been shown to have adverse effects in years of manufacture and use. Chlorinated paraffins are a class of compounds that are similarly manufactured but vary in molecular structure by carbon chain length and degree of chlorination.

EYE: Repeated or prolonged contact may cause eye irritation.

SKIN: Repeated or prolonged contact may cause skin irritation.

INGESTION: No hazard in normal industrial use.

INHALATION: Dust may be irritating to the respiratory tract.

CHRONIC EFFECTS: Not listed as human carcinogen by OSHA, IARC, or NTP.

SIGNS AND SYMPTOMS: Eye, skin or respiratory tract irritation.

See TOXICOLOGICAL INFORMATION (Section 11)

3.3 POTENTIAL ENVIRONMENTAL EFFECTS:

AQUATIC ENVIRONMENT: In long-term (60 day) fish studies the NOEL is greater than the solubility limit.

NON-AQUATIC ENVIRONMENT: Based on available animal studies this product has not been classified as Dangerous to the Non-aquatic Environment.

See ECOLOGICAL INFORMATION (Section 12)

4. FIRST AID MEASURES

EYE: Hold eyelid open; flush with large volume of water; continue for 15 minutes. If irritation develops, seek medical attention.

SKIN: Brush powder from skin; wash area with mild soap and water. If irritation develops, seek medical attention. If molten material is on skin, cool rapidly with cold water. Do not attempt to peel from skin. Seek medical attention for thermal burn

INGESTION: If swallowed, do not induce vomiting . Rinse mouth and dilute with water. Never give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air. If irritation develops, seek medical attention.

NOTE TO PHYSICIANS: Treat as exposure to any fine powder. Consider powder as organic chemical. (See Section 3 for observable SIGNS/SYMPTOMS).

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES: Flash Point: >200_ C Method: C.O.C. Burn Rate: Not determined

FLAMMABLE LIMITS: Lower flammable limit: Not determined

Upper flammable limit: Not determined

FLAMMABILITY CLASSIFICATION: Not determined

AUTOIGNITION TEMPERATURE: Not determined

HAZARDOUS COMBUSTION PRODUCTS: Hydrogen chloride, oxides of carbon

EXTINGUISHING MEDIA: Water fog; foam; dry chemical

ADDITIONAL CONSIDERATIONS: Material becomes molten and free flowing at softening point. Decomposition produces toxic gas.

FIRE FIGHTING INSTRUCTIONS: Protect against decomposition products, wear self contained breathing apparatus. If this material is involved in a fire, keep surrounding containers cool with water spray and contain all runoff.

NFPA 704M RATING: HEALTH: 1 FLAMMABILITY: 1 REACTIVITY: 1 SPECIAL: -

6. ACCIDENTAL RELEASE MEASURES

Wear protective equipment (see Section 8). Isolate the area and deny entry to unnecessary and unprotected personnel. Stop the leak at the source; dike area and/or take measures to prevent material from entering waterway. Prevent contact with strong oxidizers and reducers (see Section 7.) Sweep and shovel material to reclaim container; vacuum remaining material into disposal container (see Section 13.)

7. HANDLING AND STORAGE HANDLING

Do not wear contaminated clothing. Wash prior to eating, drinking, smoking, or use of restroom and when leaving work. Minimize dust generation and accumulation. Use proper grounding procedures. Prevent static charge when handling material. Do not dispose of material or empty container to the environment.

STORAGE: Do not store near heat or open flame.

INCOMPATIBLE MATERIALS: Strong oxidizers and reducers

VENTILATION: Mechanical to control dust

SPECIAL PACKAGING MATERIALS: Material should be stored in manufacturer's supplied packaging or container. Use of other packaging or container should be approved by qualified personnel.

SPECIFIC USE: This product is marketed and sold as a processing component for primary use as a flame retardant or use in plastics compounding. Use of this material in other processes should be approved by qualified personnel.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 EXPOSURE GUIDELINES and LIMIT VALUES:

OSHA 29cfr1910.Z.1000: Table Z-1, Z-3 Particulates Not Otherwise Regulated (PNOR)

PEL/TWA

mg/m³

Respirable dust: 5

Nuisance dust 5

Total dust 15

8.2 EXPOSURE CONTROLS:

8.2.1 OCCUPATIONAL EXPOSURE CONTROLS:

ENGINEERING CONTROLS: Mechanical ventilation. Control dust generation and accumulation. Follow proper grounding procedures to prevent static discharge.

RESPIRATORY PROTECTION: NIOSH approved air-purifying dust mask. Particulate Respirator with exhalation valve or equivalent is recommended.

HAND PROTECTION: Impervious gloves. Light, flexible PVC coated or similar.

EYE FACE PROTECTION: Chemical goggles or safety glasses with side shields

SKIN PROTECTION: Long sleeve shirt and long pants

GENERAL HYGIENE: Facility should be equipped with safety shower and eye wash in area. Do not wear contaminated clothing. Wash prior to eating, drinking, smoking, or use of restroom and when leaving work.

8.2.2 ENVIRONMENTAL EXPOSURE CONTROLS: Control the release of this product to the environment. See Section 6 for accidental release measures and Section 13 when disposing of the material.

9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE: White powder

PHYSICAL STATE: Solid

ODOR: Odorless

pH: Not applicable

BOILING POINT: Material decomposes

FLASH POINT: >200°C

FLAMMABILITY (SOLID/GAS): Non-flammable

EXPLOSIVE PROPERTIES: Non-combustible dust

OXIDIZING PROPERTIES: Not an oxidizer

VAPOR PRESSURE: Not determined

VAPOR DENSITY: Not applicable

RELATIVE DENSITY: 1.6 @ 25_/25_ C (Water = 1)

SOLUBILITY: Insoluble (Water)

PARTITION COEFFICIENT: N-OCTANOL/WATER: Not determined

VISCOSITY: Not applicable

EVAPORATION RATE: Not applicable

FREEZING/MELTING POINT: 95-110_ C (softening point)

OTHER DATA: None

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable under normal ambient and anticipated storage and handling conditions

CONDITIONS TO AVOID: Avoid heating to decomposition. Material becomes molten and free flowing at softening point.

MATERIALS TO AVOID(INCOMPATIBILITY): Strong oxidizing and reducing agents

HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen chloride, oxides of carbon

HAZARDOUS POLYMERIZATION: Not known to occur.

11. TOXICOLOGICAL INFORMATION

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EYE EFFECTS: No data

SKIN EFFECTS: Mild skin irritation possible with repeated or prolonged exposure.

INGESTION EFFECTS: Rat: 13 week, NOEL, 900/mg/kg/day

INHALATION EFFECTS: No data

SUBCHRONIC EFFECTS: No data

CHRONIC EFFECTS/CARCINOGENICITY: Product not tested by OSHA, IARC, or NTP.

EPIDEMIOLOGY: No data

TERATOLOGY: Rat: 5000 mg/kg/day; No teratogenic response

Pregnant Dutch Belted rabbit: 1000 mg/kg/day; No teratogenic response

REPRODUCTIVE EFFECTS: Pregnant Dutch Belted rabbit: No biologically meaningful differences in maternal appearance, behavior, and body weight or in occurrence of genetic and developmental variations.

NEUROTOXICITY: No data

MUTAGENICITY: Rat: In vivo cytogenetic evaluation of bone marrow cells, 5000 mg/kg/day, did not produce any increase in frequency of chromosome abnormalities; not clastogenic

SYNERGISTIC PRODUCTS: No data

12. ECOLOGICAL INFORMATION

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ECOTOXICITY: Mussels: > 60 days, 1.33 mg/l, no mortality

Rainbow trout: > 60 days, NOEL, 4.2 mg/l

ENVIRONMENTAL FATE :

MOBILITY: No data

PERSISTENCE AND DEGRADABILITY: No data

BIOACCUMULATIVE POTENTIAL: No data

OTHER ADVERSE EFFECTS: Product is not known to deplete the ozone.

PHYSICAL/CHEMICAL: (See Sections 9 and 10)

13. DISPOSAL CONSIDERATIONS

Because product uses, mixtures, processes, or contamination may render this material hazardous, it is the responsibility of the user/owner of the product to determine at the time of disposal, whether the product meets RCRA criteria for a hazardous waste.

Dispose of this material and the empty containers, liners and rinsate according to current local, state, federal and/or international regulations.

USEPA: Solid and Hazardous Waste Classification and Listing:

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261.20: Not Characteristic of Hazardous Waste

261.31: Not Listed 261.32: Not Listed 261.33 Table 1: Not Listed Table 2: Not Listed

261. App. VII: Not Listed 261. App. VIII: Not Listed

14. TRANSPORTATION INFORMATION (Not meant to be all inclusive):

DOT SHIPPING NAME: Material as sold is not a DOT Hazardous Material.

DOT HAZARD CLASS/DESCRIPTION: Not applicable

DOT LABEL: Not applicable

DOT PLACARD: Not applicable

DOT UN/NA NUMBER: Not applicable

DOT PRODUCT RQ: Not applicable

IMO CLASSIFICATION: Not a hazardous material. Not a marine pollutant.

IATA CLASSIFICATION: Not a hazardous material.

ADR CLASSIFICATION: Not a hazardous material.

15. REGULATORY INFORMATION (Not meant to be all inclusive - selected regulations represented)

15.1 U.S. FEDERAL REGULATIONS:

OSHA:

1910.H.119 PSM Highly Hazardous Chemicals: No

1910.Z.1200 Hazardous Chemical: No (See Section 2)

EPA:

TSCA: Appears in TSCA Inventory

CAA, Sec 112, Hazardous Air Pollutant (b): Not Listed

CAA, Sec 112, 68.130 Risk Management Planning Chemical Tables 1-4: Not Listed

CERCLA 302.4 List of Hazardous Substances: Not Listed

CERCLA 355 List of Extremely Hazardous Substances: Not Listed

CERCLA 372 SARA Title III 313 Toxic Chemicals/Categories: Not Listed

CERCLA SARA Title III 311/312 Hazard Categories: None

CWA (Sec 311) 116.4 List of Hazardous Substances: Not Listed

Solid and Hazardous Waste Classification and Listing: See Section 13

15.2 STATE REGULATIONS:

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California:

CA Director's List of Hazardous Substances: Not Listed

Cal-OSHA Workplace Airborne Contaminants: Nuisance Particulates

CA Proposition 65 Carcinogens: Not Listed

CA Proposition 65 Reproductive Toxins: Not Listed

CA Chemicals Requiring Process Safety Management: Not Listed

Illinois:

IL CWA Priority Pollutants: Not Listed

IL CWA Toxic Pollutants: Not Listed

Massachusetts:

MA Substance List: Not Listed

Michigan:

MI Critical Materials Register: Not Listed

New Jersey:

NJ Right-to-Know Hazardous Substances: Not Listed

NJ TCPA Extraordinarily Hazardous Substances: Not Listed

Ohio:

OH Emergency Response Law Toxic Chemicals: Not Listed

Pennsylvania:

PA Hazardous Substances: Not Listed

15.3 INTERNATIONAL REGULATIONS:

INVENTORY STATUS:

Canadian Domestic Substance List (DSL): Yes

Canadian WHMIS: Not classified as a hazardous material

Japan Existing Chemicals List (ENCS): 2-68X

Australian Inventory of Chemical Substances(AICS): Yes

Korean Existing Chemicals List (ECL): KE-05480

Swiss Giftliste 1: G-4855

Philippines Inventory of chemicals and Chemical Substances (PICCS): Yes

European Inventory of New and Existing Chemical Substances (EINECS/ELINCS): 264-150-0

EC Classification: Does not meet Dangerous Substance criteria

EC Label: None required

EC R: None required

EC S: None required

16. OTHER INFORMATION

MSDS STATUS: June 1, 2011

TECHNICAL CONTACT: Chemical Store Inc. 973-405-6248

For information regarding the MSDS contact the MSDS Manager.

For Technical Information or Literature contact Customer Service.

EC LABELING PHRASE REQUIREMENTS:

R Phrases: None required

S Phrases: None required

TRAINING: Workers must read and understand the Material Safety Data Sheet for this product, prior to use.

RECOMMENDED RESTRICTIONS: See Product Use (Section 1) and Special Use (Section 7) statements. No additional statements are made.

The information herein is given in good faith, but no warranty, express or implied, is made. Consult

CHEMICAL STORE INC. for further information