

United Nuclear

Scientific Equipment & Supplies

Material Safety Data Sheet

Chlorinated Rubber (Parlon)

In case of Emergency 24/7:

Call VelocityEHS (USA)

(800) 255-3924

Section I. Chemical Product and Company Identification

Supplier:

United Nuclear Scientific
125 N. 8th Street
Klamath Falls, OR 97601
(541) 205-6855

Chemical Name: Chlorinated Polymer

Synonym: None

CAS Number: Confidential

Chemical Formula: Confidential

HMS Rating

Health	1
Flammability	0
Reactivity	0
Personal Protection	E

Section II. Composition and Information on Ingredients

Material				
CAS#	%	OSHA	ACGIH	
Chlorinated Polymer	Confidential	97+ %	Not Established	Not Established
Toluene *	108-88-3	<2.5%	375 mg/m ³	188 mg/m ³
Tetrachloromethane **	56-23-5	<0.005%	12.6 mg/m ³	31 mg/m ³

Chlorinated Rubber as shipped and at ambient temperatures should be treated as nuisance dust and with using acceptable occupational hygiene precautions, no adverse effects have been encountered, or are to be expected with this product. * Toluene is an EPA Not Classifiable as to Human Carcinogenicity and an IARC Not Classifiable as to Carcinogenicity to Humans. **Tetrachloromethane Chlorinated rubbers contain residual levels of tightly-bound Tetrachloromethane. This Tetrachloromethane is not released from the solid chlorinated rubber at ambient temperatures. It can be released at elevated temperatures and when dissolved in solvents. Tetrachloromethane is an EPA Probable Human Carcinogen, an IARC Possible Human Carcinogen, and a NIOSH Carcinogen with no further explanation.

Section III Hazards Identification:

Accute Health Effects: Irritating to the skin and eyes on contact. Inhalation will cause irritation to the lungs and mucus membrane. Irritation to the eyes will cause watering and redness. Reddening, scaling, and itching are characteristics of skin inflammation. Follow safe industrial hygiene practices and always wear protective equipment when handling this compound.

Chronic Health Effects: This product has no known chronic effects. Repeated or prolonged exposure to this compound is not known to aggravate medical conditions.

Accute Health Effects: This product is not listed by NTP, IARC or regulated as a Carcinogen by OSHA.

Section IV. First Aid Measures

First Aid For Eye: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

First Aid For Skin: In case of contact, flush skin with water. Wash clothing before reuse. Call a physician if irritation occurs.

First Aid For Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

First Aid For Ingestion: If swallowed, call a physician immediately.

Section V. Fire and Explosion Data

Flammability: Non-Flammable

Flash Points: Not Applicable

Auto-Ignition: Not Applicable

Flammable Limits: Not Applicable

Extinguishing Media: Water Spray

Fire Fighting Procedure: Fire fighters and others who may be exposed to the products of combustion should be equipped with NIOSH approved positive pressure self-contained breathing apparatus (SCBA) and full protective clothing.

Fire/Explosion Hazards: Under certain combustion conditions could form respiratory irritants such as phosgene, hydrogen chloride, chlorinated acids, aldehydes, ketones, carbon dioxide and carbon monoxide.

Section VI. Accidental Release Measures

Spill Or Leak Procedures: Utilize recommended protective clothing and equipment. Clean spills in a manner that does not disperse dust into the air. Spill area can be washed with water. Collect wash water for approved disposal. Keep from entering water or ground water

Section VII. Handling and Storage

Storage Temperatures: Store at ambient temperature

Shelf Life: Unlimited in tightly closed container.

Special Sensitivity: None

Handling/Storage Precautions: Avoid breathing dust. Avoid getting in eyes or on skin. Wash thoroughly after handling. Store in a dry place away from direct sunlight, heat and incompatible materials (see Section X). Reseal containers immediately after use. Store away from food and beverages.

Section VIII. Exposure Controls/Personal Protection

Eye Protection: Safety glasses or goggles.

Skin Protection: PVC gloves with impervious boots, apron or coveralls. Employees should wash their hands and face before eating, drinking or using tobacco products.

Respirator: Work ambient concentrations should be monitored and if the recommended exposure limit is exceeded, a NIOSH/MSHA approved dust respirator must be worn.

Ventilation: Use local ventilation if dusting is a problem, to maintain air levels below the recommended exposure limit.

Additional Protective Measures: Emergency showers and eye wash stations should be available. Educate and train employees in the safe use and handling of hazardous chemicals.

Section IX. Physical and Chemical Properties

Physical Form: Powder

Color: White

Odor: Odorless

Boiling Point: Not Established

Melting/Freezing Point: About 200°C

Solubility In Water: Insoluble

Specific Gravity: 1.6

Section X. Stability And Reactivity

Stability: Stable

Hazardous Polymerization: Will Not occur

Incompatibilities: Avoid mixtures with chrome pigments or other strong oxidizing compounds in the presence of heat.

Instable Conditions: Excessive temperatures (see Incompatibilities).

Decomposition Temperature: Not Established

Decomposition products: Hydrochloric Acid, Carbon Dioxide and Carbon Monoxide

Section XI. Toxicological Information

RTECS Number: N/A

Routes of Exposure: Eye contact. Ingestion. Inhalation. Skin contact.

Toxicity Data: ORAL LD50: rat greater than 5000 mg/kg

Chronic Toxic Effects: This product has no known chronic effects. Repeated or prolonged exposure to this compound is not known to aggravate medical conditions.

Acute Toxic Effects: Irritating to the skin and eyes on contact. Inhalation will cause irritation to the lungs and mucus membrane. Irritation to the eyes will cause watering and redness. Reddening, scaling, and itching are characteristics of skin inflammation. Follow safe industrial hygiene practices and always wear protective equipment when handling this compound. This product by its self is not listed by NTP, IARC or regulated as a carcinogen by OSHA (See Section II on other hazardous chemical Toluene & Tetrachloromethane).

Section XII. Ecological Information

Ecotoxicity: Not available at this time.

Section XIII. Disposal Considerations

Waste Disposal Method: Waste disposal should be in accordance with existing federal, state and local environmental regulations.

Section XIV. Transportation Information

Proper Shipping Name: Chlorinated Rubber

UN Number: N/A

Class: N/A

P.G.: N/A

Label Code: N/A

Section XV. Regulatory Information

OSHA Status: This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA Chemical Inventory: This compound is on the EPA Toxic Substance Control Act (TSCA) inventory List

California Proposition 65: To the best of our knowledge, this product contains no levels of listed substances, which the state of California has found to cause cancer, birth defects or other reproductive effects.

SARA 313 Title III:

Section 302 Extremely-Hazardous Substances: None

Section 311/312 Hazardous Categories: None

Section 313 Toxic Chemicals: None

Section XVI. Other Information

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