

Rubber Chemical

Version 2.0

Revision Date 08/22/2008

Ref. 150000002449

This SDS adheres to the standards and regulatory requirements of the United States and may not meet the regulatory requirements in other countries.

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Rubber Chemical
 Product Grade/Type : RCR-6156
 MSDS Number : 150000002449
 Product Use : Curing chemical

Manufacturer : DuPont Performance Elastomers L.L.C
 Bellevue Park Corporate Center, 300 Bellevue Parkway
 Wilmington, Delaware 19809

Product Information : 1-800-441-7515 (outside the U.S. 1-302-774-1000)
 Medical Emergency : 1-800-441-3637 (outside the U.S. 1-302-774-1139)
 Transport Emergency : CHEMTREC: 1-800-424-9300 (outside the U.S. 703-527-3887)

SECTION 2. HAZARDS IDENTIFICATION

Potential Health Effects

Skin : May cause eye and skin irritation.

Eyes
 N,N,N',N'-Tetramethyl-1,8-naphthalenediamine : May irritate eyes.

Ingestion : Harmful if swallowed.

Carcinogenicity
 None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, or OSHA, as a carcinogen.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No.	Concentration
N,N,N',N'-Tetramethyl-1,8-naphthalenediamine	20734-58-1	100 %

SECTION 4. FIRST AID MEASURES

Skin contact : Wash off with soap and water. Wash contaminated clothing before re-use. Consult a physician if necessary.

Eye contact : Rinse thoroughly with plenty of water, also under the eyelids. Consult a physician.

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- Inhalation : Move to fresh air. Consult a physician.
- Ingestion : If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel. If conscious, drink plenty of water. Never give anything by mouth to an unconscious person. Consult a physician.
- General advice : If symptoms persist, call a physician.

SECTION 5. FIRE-FIGHTING MEASURES

- Fire and Explosion Hazard : Dust may form explosive mixture in air. Hazardous decomposition products formed under fire conditions. Carbon monoxide nitrogen oxides (NOx)
- Extinguishing Media : Carbon dioxide (CO₂), Foam, Water, Dry chemical
- Firefighting Instructions : Wear self-contained breathing apparatus and protective suit. Evacuate personnel to safe areas. Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6. ACCIDENTAL RELEASE MEASURES

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

- Safeguards (Personnel) : Refer to protective measures listed in sections 7 and 8.
- Spill Cleanup : Shovel into suitable container for disposal. Clean contaminated floors and objects thoroughly while observing environmental regulations.
- Accidental Release Measures : Try to prevent the material from entering drains or water courses.

SECTION 7. HANDLING AND STORAGE

- Handling (Personnel) : Provide appropriate exhaust ventilation at places where dust is formed. Avoid contact with skin, eyes and clothing. In case of insufficient ventilation, wear suitable respiratory equipment. Wash hands before breaks and immediately after handling the product. Do not contaminate tobacco products. When using do not eat or drink. Wash contaminated clothing before re-use.
- Handling (Physical Aspects) : Normal measures for preventive fire protection. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours).

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Storage : Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from contamination.

Storage temperature : < 49 °C (< 120 °F)

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls : Use only in area provided with appropriate exhaust ventilation.

Personal protective equipment

Eye protection : Safety glasses with side-shields. Additionally wear a face shield where the possibility exists for face contact due to splashing, spraying or airborne contact with this material.

Skin protection : Wear as appropriate: impervious clothing

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.

Exposure Guidelines

Exposure Limit Values

None established.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Form : powder
Color : white, to, red
Odor : irritating
Melting point/range : 47 - 48 °C (117 - 118 °F)
Density : no data available
Water solubility : soluble

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid : Temperature > 235 °C (32 °F)
Stable under normal conditions.

Incompatibility : Powdered metals Finely divided aluminium Alkali metals Alkaline earth metals
Acids Acid chlorides Acid anhydrides Oxidizing agents

Decomposition : Hazardous decomposition products Carbon monoxide, nitrogen oxides (NO_x).

SECTION 11. TOXICOLOGICAL INFORMATION

N,N,N',N'-Tetramethyl-1,8-naphthalenediamine

Oral LD50 : 224 mg/kg, rat

Mutagenicity : Evidence suggests this substance does not cause genetic damage in cultured bacterial cells.

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SECTION 12. ECOLOGICAL INFORMATION

Additional ecological information : no data available

SECTION 13. DISPOSAL CONSIDERATIONS

Waste Disposal : Can be landfilled or incinerated, when in compliance with local regulations.

Environmental Hazards : Dispose of in accordance with local regulations.

SECTION 14. TRANSPORT INFORMATION

DOT	UN-Number	: 2811
	Proper shipping name	: Toxic solids, organic, n.o.s. (Tertiary aromatic amine)
	Class	: 6.1
	Packaging group	: III
IATA_C	Labelling No.	: 6.1
	UN-Number	: 2811
	Proper shipping name	: Toxic solid, organic, n.o.s. (Tertiary aromatic amine)
	Class	: 6.1
IMDG	Packaging group	: III
	Labelling No.	: 6.1
	UN-Number	: 2811
	Proper shipping name	: Toxic solid, organic, n.o.s. (Tertiary aromatic amine)
	Class	: 6.1
	Packaging group	: III
	Labelling No.	: 6.1

SECTION 15. REGULATORY INFORMATION

TSCA Status : In compliance with TSCA Inventory requirements for commercial purposes.

SARA 313 Regulated Chemical(s) : SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop. 65 : Chemicals known to State of California to cause cancer, birth defects or any other harm: none known

PA Right to Know Regulated Chemical(s) : Substances on the Pennsylvania Hazardous Substances List present at a concentration of 1% or more (0.01% for Special Hazardous Substances): No components present on the PA state hazardous substance lists.

NJ Right to Know Regulated Chemical(s) : Substances on the New Jersey Workplace Hazardous Substance List present at a concentration of 1% or more (0.1% for substances identified as

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carcinogens, mutagens or teratogens): No components present on the NJ state hazardous substance lists.

SECTION 16. OTHER INFORMATION

Restrictions for use : Do not use in medical applications involving permanent implantation in the human body. For other medical applications see DuPont Performance Elastomer's caution bulletin No. H-69237.

Before use read DuPont Performance Elastomer's safety information.® Registered trademark of DuPont Performance Elastomers

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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