



Leading by Listening

Material Safety Data Sheet

USA:

24 Hour Emergency Assistance: CHEMTREC - Domestic: +1 800 424 9300
 24 Hour Emergency Assistance: CHEMTREC - International: +1 703 527 3887
 General Assistance Number: +1 800 4 KRATON
 24 Hour Health and Safety Assistance: +1 800 305 1438

EUROPE:

24 Hour Emergency Assistance: SGS ECLN: +32 35 75 03 30

Visit our Website at www.kraton.com

SECTION 1	PRODUCT IDENTIFICATION
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PRODUCT NAME: KRATON LIQUID® Polymers:
 (Note: Includes all Physical Forms of the following product):
L207

CORPORATE OFFICE:
 KRATON Polymers U.S. LLC
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 Houston, Texas 77002, USA
 General Assistance: +1 832 204 5400
 Fax: +1 832 204 5461

UNITED KINGDOM SALES OFFICE:
 KRATON Polymers UK Ltd
 Stellar House, Barbour Square, Tattenhall
 CH3 9RF Chester, UK
 General Assistance: +44 (0) 1829 771 224
 Fax: +44 (0) 1829 770 961

SECTION 2	PRODUCT/INGREDIENTS
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COMPONENTS	CAS #	CONCENTRATION
Hydrogenated Polybutadiene/Polyisoprene Polymer, Epoxidized, Hydroxy Terminated	188038-96-2	>99 %weight
Antioxidant/Stabilizer		<1 %weight

Note: Research and Development Product

SECTION 3	HAZARDS IDENTIFICATION
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EMERGENCY OVERVIEW

Appearance & Odor: Slightly hazy liquid. Slight odor.
Health Hazards: Polymer product with no unusual emergency concerns.
Physical Hazards: The material will burn and should not present an unusual hazard during fires. Avoid smoke from fires.

Inhalation:
 Vapors from heated product may be irritating to respiratory system.

Eye Contact:
 Vapors from heated product may be irritating to the eye.

Skin Contact:
 Vapors from heated product may be irritating to the skin.

Ingestion:
 Essentially non-toxic if swallowed.

Aggravated Medical Conditions:
 Pre-existing eye, skin and respiratory disorders may be aggravated by exposure to this product.

SECTION 4

FIRST AID MEASURES

Inhalation:

If the victim has difficulty breathing or tightness of the chest, is dizzy, vomiting or unresponsive, give 100% oxygen with rescue breathing or CPR as required and transport to the nearest medical facility.

Skin:

If contact with hot material, cool the burn area by flushing with large amounts of water. Flush exposed area with water and follow by washing with soap if available. Transport to nearest medical facility for additional treatment.

Eye:

Flush eyes with water while holding eyelids open. Transport to nearest medical facility for additional treatment.

Ingestion:

DO NOT induce vomiting. In general no treatment is necessary unless large quantities are swallowed, however, get medical advice.

Note to Physician:

In general, emesis induction is unnecessary in high viscosity, low volatility product oils.

SECTION 5

FIRE FIGHTING MEASURES

Flash Point [Method]: >450 °F/>232.22 °C [Estimated]

Extinguishing Media:

Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.

Fire Fighting Instructions:

Material will not burn unless preheated. Do not enter confined fire space without full bunker gear (helmet with face shield, bunker coats, gloves and rubber boots), including a positive pressure, NIOSH approved, self-contained breathing apparatus. Cool surrounding equipment, fire-exposed containers and structures with water.

SECTION 6

ACCIDENTAL RELEASE MEASURES

May burn although not readily ignitable.

Protective Measures:

Wear appropriate personal protective equipment when responding to spills. Refer to Section 8.

Spill Management:

Absorb or contain with sand or other absorbent material. Use cautious judgment when cleaning up large spills. Shut off source of leak if safe to do so. Dike and contain spill. Remove with vacuum trucks or pump to storage/salvage vessels. Soak up residue with an absorbent such as clay, sand or other suitable material and dispose of properly. Flush area with water to remove trace residue. Contain run-off from residue flush and dispose of properly. For small spills: Soak up residue with an absorbent such as clay, sand or other suitable material. Place in non-leaking container and seal tightly for proper disposal.

SECTION 7

HANDLING AND STORAGE

Handling:

Wash with soap and water before eating, drinking, smoking, applying cosmetics, or using toilet facilities. Launder contaminated clothing before reuse. Use adequate ventilation to avoid accumulation of fumes or dust.

Storage:

Store in a cool, dry place with adequate ventilation. Keep away from open flames and high temperatures.

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Avoid vapors from heated materials. Adequate ventilation and/or engineering controls must be employed in high temperature processing to prevent exposure to potentially toxic/irritating fumes.

SECTION 8

EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Controls

The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Appropriate measures include:

Adequate ventilation and/or engineering controls when material is heated in processing.

Personal Protection

Personal protective equipment (PPE) selections vary based on potential exposure conditions such as handling practices, concentration and ventilation. Information on the selection of eye, skin and respiratory protection for use with this material is provided below.

Eye Protection:

Chemical Goggles

Skin Protection:

Use protective clothing which is chemical resistant to this material. Selection of protective clothing depends on potential exposure conditions and may include gloves, boots, suits and other items. The selection(s) should take into account such factors as job task, type of exposure and durability requirements.

Respiratory Protection:

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, an approved respirator must be worn. Respirator selection, use and maintenance should be in accordance with the requirements of the OSHA Respiratory Protection Standard, 29 CFR 1910.134.

Types of respirator(s) to be considered in the selection process include:

Air-Purifying Respirator for Organic Vapors, Dusts and Mists, Supplied-Air Respirator

SECTION 9

PHYSICAL AND CHEMICAL PROPERTIES

Appearance & Odor: Slightly hazy liquid. Slight odor.

Substance Chemical Family: Polymer

Flash Point	> 450 °F Estimated	Solubility (in Water)	Negligible
Specific Gravity	< 1	Stability	Stable
Vapor Pressure	< 5 mmHg		

SECTION 10

REACTIVITY AND STABILITY

Stability:

Material is stable under normal conditions.

Conditions to Avoid:

Avoid contact with strong oxidizing agents.

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Hazardous Decomposition Products:

At processing temperatures, some degree of thermal degradation will occur. Although highly dependent on temperature and environmental conditions, a variety of decomposition products may be present ranging from simple hydrocarbons (such as methane and propane) to toxic/irritating vapors (such as carbon monoxide and dioxide, acrolein, aldehydes and ketones). See Handling Section.

SECTION 11 TOXICOLOGICAL INFORMATION

Other Information:

Elastomers are high molecular weight polymers which all evidence indicates are biologically inactive.

SECTION 12 ECOLOGICAL INFORMATION

This section will be updated as ecological reviews are completed.

SECTION 13 DISPOSAL CONSIDERATIONS

General Recommendations:

If this material becomes a waste, it would not be a hazardous waste by RCRA criteria (40 CFR 261). Place in an appropriate disposal facility in compliance with local regulations.

SECTION 14 TRANSPORT INFORMATION

US Department of Transportation Classification

This material is not subject to DOT regulations under 49 CFR Parts 171-180.

SECTION 15 REGULATORY INFORMATION

Federal Regulatory Status

Superfund Amendment & Reauthorization Act (SARA) Title III:

This material is not regulated under SARA Title III.

Toxic Substances Control Act (TSCA) Status:

Component(s) of this material is(are) listed on the EPA/TSCA Inventory of Chemical Substances.

State Regulation

This material is not regulated by California Prop65, New Jersey Right-to-Know Chemical List or Pennsylvania Right-To-Know Chemical List.

SECTION 16 OTHER INFORMATION

Revision#: 07

Revision Date: **June 12, 2003**

Revisions since last change (discussion): **Changes made to Sections 1, 2 and 16.**

Research and Development Product

Product Codes: N701D

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Uses and Restrictions:

KRATON® Polymers are high performance thermoplastic elastomers engineered for a wide spectrum and end uses. Each customer or user of KRATON Polymers products is solely responsible for determining the suitability of the materials they select for the intended purpose.

Other Information:

KRATON is a registered KRATON ® trademark.

Disclaimer:

This information is based on our current knowledge and is intended to describe the product for the purposes of Health, Safety and Environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. Advice in this document relates only to the product as originally supplied. Where other ingredients are added in the processing of this product, advice should be sought on their safe handling and use.