

LATEX DL 240

Carboxylated Styrene Butadiene Polymer

1. Chemical Product and Company Identification

24-Hour Emergency Phone Number: 989-636-4400

Customer Information Center: 800-234-5414

EFFECTIVE DATE: 01/07/2004

REVISION: 05/11/2005

NFPA

Health:	1
Flammability:	0
Flammability:	0

HMIS

Health:	1
Flammability:	0
Reactivity:	0
Personal Protection:	B

2. Composition, Information on Ingredients

CAS No.	CHEMICAL IDENTITY	% BY WT
Proprietary	Carboxylated Styrene Butadiene Polymer	40 - 55
7664-41-7	Ammonia	0.35 (Max)
7732-18-5	Water	45 - 60

Additional Information

Refer to Section 8, Subheading "Exposure Guidelines", for additional information concerning exposure limits.

3. Hazards Identification

Emergency Overview

No significant immediate hazards for emergency response are known. Milky white liquid emulsion. Slight ammonia odor. Vapors may irritate eyes, nose, throat, and skin. Dike and contain spill. Avoid dilution of spills.

Potential Health Effects

EYES: Direct contact with this material may cause eye irritation including tearing and redness. Corneal injury is unlikely.

SKIN: Short single exposure not likely to cause significant skin irritation. Prolonged and repeated exposure may cause slight skin irritation. Material may stick to skin causing irritation upon

Continued on Next Page...



American Recycling Center, Inc.

655 Wabasse Drive, Owosso, MI

(989) 725-5100

www.americanrecycling.com

removal. A single, prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts.

INGESTION: Single dose oral toxicity is considered to be extremely low. Ingestion (swallowing) may irritate the mouth, throat, and stomach. No hazards anticipated from swallowing small amounts incidental to normal handling operations.

INHALATION: Inhalation of vapor may cause irritation to the respiratory tract (nose, throat, and lungs). With good ventilation, single exposure to vapors is not likely to be hazardous.

Systemic Effects (Other Target Organs) No relevant information found.

4. First Aid Measures

Eye Contact

Immediately flush eyes with large quantities of clean water for at least 15 minutes. Consult a physician.

Skin Contact

Wash skin with soap and water. Remove contaminated clothing. Seek medical attention if irritation develops. Wash contaminated clothing before reuse.

Inhalation

Remove affected individual(s) to fresh air. Seek medical attention if breathing difficulty develops.

Ingestion

If swallowed, seek medical attention. Do not induce vomiting unless directed to do so by medical personnel.

Notes to Physician

No specific antidote. Supportive care. Treatment based on judgement of the physician in response to reactions of the patient.

5. Fire Fighting Measures

Properties

Flash Point: Not applicable.

Method Used: Not applicable.

Autoignition Temperature: Not applicable.

Flammable Limits in Air (Lower): Not applicable.

Flammable Limits in Air (Upper): Not applicable.

Fire Fighting Extinguishing Media

To extinguish combustible residues of this product, use water fog, carbon dioxide, dry chemical or foam.

Fire Fighting Equipment

Wear self-contained breathing apparatus (SCBA) and full fire-fighting protective clothing. If protective equipment is not available or not used, fight fire from a protected location or safe distance.

Fire Fighting Instructions

Keep people away. Isolate fire area and deny unnecessary entry. Containers of this material may

Continued on Next Page...

build up pressure if exposed to heat (fire). Use a water spray to cool fire-exposed containers.

Fire / Explosion Hazards

This material will not burn unless it is evaporated to dryness.

Hazardous Combustion Products

Under fire conditions, some components of this product may decompose. The smoke may contain unidentified toxic and/or irritating compounds. Hazardous combustion products may include and are not limited to hydrocarbons, carbon monoxide and dense smoke.

6. Accidental Release Measures

Personal Precautions

Avoid unnecessary exposure and contact. Barricade the area to restrict access. Persons not wearing protective equipment (see Section 8) should be excluded from the area of the spill until clean-up has been completed.

Environmental Precautions

Stop leak at source when it is safe to do so. Dike and contain spill. Prevent spilled material from contaminating soil or entering drains, sewers, streams or other bodies of water.

Cleanup Procedures

Avoid dilution with water to minimize the extent of the spill. Recover and recycle spilled latex if possible, otherwise, collect with absorbent material and transfer to appropriate containers for disposal. Water may be used for final cleaning of affected area.

7. Handling and Storage

Handling Information

Practice reasonable care to avoid repeated, prolonged skin contact. An eye wash station and a safety shower should be readily accessible to workers wherever this material is stored or used.

Storage Information

Keep from freezing. Store at temperatures between 40° F and 110° F. Material may develop bacteria odor on long-term storage. No safety problems known.

8. Exposure Controls, Personal Protection

Exposure Limits Guidelines

There are no exposure limits assigned to the polymer in this product by the Occupational Safety and Health Administration (OSHA) or American Conference of Governmental Industrial Hygienists (ACGIH). The Occupational Safety and Health Administration (OSHA) Permissible Exposure Limit (PEL) for ammonia is 50 ppm for an 8-hour Time Weighted Average (TWA). The American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV) for ammonia is 25 ppm for an 8-hour Time Weighted Average (TWA) and Short Term Exposure Level of 35 ppm.

Engineering Controls

Good general ventilation should be sufficient to control airborne levels of irritating vapors. Local exhaust ventilation may be necessary for some operations.

Continued on Next Page...

Personal Protective Equipment

EYES: Wear safety glasses with side shields or goggles.

SKIN: Wear clean, long-sleeved, body-covering clothing. Nitrile, neoprene®, or rubber gloves should provide protection against skin contact.

INHALATION: Respiratory protection is not generally required during normal use and handling. A NIOSH/MSHA approved air purifying respirator with organic vapor cartridge or canister may be necessary under certain circumstances where airborne concentrations are expected to exceed exposure limits.

9. Physical and Chemical Properties

Physical Properties

Appearance – (Color, Physical Form, Shape): Milky white liquid emulsion.

Odor: Slight ammonia odor.

Physical State: Liquid.

pH: 4.0 - 10.0

Vapor Pressure: 17.5 mm Hg @ 68° F (20° C)

Vapor Density: 0.624 @ 80° F (26.7° C)

Boiling Point: 212° F (100° C)

Freezing Point: 32° F (0° C)

Solubility: Product as sold is dilutable. Polymer component is insoluble.

Specific Gravity: 0.98 - 1.04

Additional Information

The physical data listed are for a series of latexes. For specific properties on any given latex, see the product bulletin.

10. Stability and Reactivity

Stability

This material is stable during storage and during its intended use.

Incompatible Materials/Substances

Addition of chemicals, such as acids or multivalent metal salts, may cause coagulation.

Conditions to Avoid

Avoid freezing temperatures (less than 32° F or 0° C). Product can decompose at elevated temperatures.

Hazardous Decomposition Products

Hazardous decomposition products depend upon temperature, air supply and the presence of other materials. Thermal decomposition may produce various hydrocarbons and irritating, acrid vapors.

Hazardous Polymerization

Hazardous polymerization will not occur.

11. Toxicological Information

Acute Toxicity (Humans)

Refer to Section 3 for available information on potential health effects. For detailed toxicological data, write or call the address or non-emergency number shown in Section 1

Continued on Next Page...

SKIN:

- Based on properties of similar polymers, the polymer is not hazardous.

INGESTION:

- Based on properties of similar polymers, the polymer is not hazardous.

- Ammonia: oral LD50 (rat), 350 mg / kg.

INHALATION:

- Based on properties of similar polymers, the polymer is not hazardous.

- Ammonia: inhalation LC50 (rat), 2,000 ppm / 4 hr.

12. Ecological Information

Movement & Partitioning

Latex dispersions will color water a milky white. No bioconcentration of the polymeric component is expected because of its high molecular weight.

Degradation & Persistence

The polymeric component is not expected to biodegrade.

Ecotoxicity

Based largely or completely on information for similar material(s): Material is practically non-toxic to aquatic organisms on an acute basis (LC50 or EC50 >100 mg/L in the most sensitive species tested).

13. Disposal Considerations

Disposal Method

DO NOT DUMP INTO ANY SEWERS, ON THE GROUND, OR INTO ANY BODY OF WATER. All disposal methods must be in compliance with all Federal, State/Provincial and local laws and regulations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

FOR UNUSED OR UNCONTAMINATED PRODUCT, the preferred options include sending to a licensed, permitted recycler, reclaimer, incinerator or other thermal destruction device. NOT A RCRA HAZARDOUS WASTE: When discarded in its purchased form, this material would not be regulated as a RCRA Hazardous waste under 40 CFR 261.

14. Transportation Information

Department of Transportation (DOT) - US

This product is not regulated by D.O.T. when shipped domestically by land.

Transportation of Dangerous Goods (TDG) - Canada

This product is not regulated by TDG when shipped domestically by land.

Continued on Next Page...

15. Regulatory Information

U.S. Federal Regulations

Occupational Safety and Health Act (OSHA): This material is not classified as hazardous under the criteria of the US Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 8(b) - Inventory Status: All components of this material are listed on or are exempt from the US Toxic Substances Control Act (TSCA) inventory.

SARA Title III Section 313 Toxic Chemical List (TCL): To the best of our knowledge, this product contains no chemical subject to SARA Title III Section 313 supplier notification requirements.

SARA Hazard Category: This product has been reviewed according to the EPA "Hazard Categories" promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories: - Not to have met any hazard category.

Workplace Hazardous Materials Information System (WHMIS) - Canada

Workplace Hazardous Materials Information System (WHMIS) - Canada: This material is not classified as a controlled product under the Canadian Workplace Hazardous Material Information System.

Canadian Inventory Status: All components of this material are listed on the Canadian Domestic Substances List (DSL).

Additional Information

California Proposition 65: This material contains a chemical known to the State of California to cause cancer.

- 4-Vinylcyclohexene

Initial: 01/07/04

Revision: 05/11/05

ARC MSDS Latex 240

The information herein is to assist customers in determining whether our products are suitable for their applications. Our products are intended for sale to industrial and commercial customers. We request that customers inspect and test our products before use and satisfy themselves as to contents and suitability. We warrant that our products will meet our written specifications. Nothing herein shall constitute and other warranty express or implied, including any warranty of merchantability or fitness, nor is protection from any law or patent to be inferred. All patent rights are reserved. The exclusive remedy for all proven claims is replacement of our materials and in no event shall we be liable for special, incidental or consequential damages.