



MATERIAL SAFETY DATA SHEET

REINFORCING AGENT

Rev. 04/08

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: REINFORCING AGENT

MANUFACTURER: *de neef* Construction Chemicals Inc.
ADDRESS: 5610 Brystone Drive
Houston, TX 77095
PHONE: (800) 732-0166 (7am-5pm CST Weekdays)
FAX: (713) 849-3340
WEBSITE: www.deneef.com

EMERGENCY PHONE: CHEMTREC (800) 424-9300 (Anytime)
Outside US: 1-703-527-3887

SECTION 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

No significant immediate hazards known. Milky white liquid emulsion. Slight odor.

POTENTIAL HEALTH EFFECTS

EYES:

Contact with eyes may cause slight irritation.

SKIN:

Contact with skin may cause mild skin irritation.

INGESTION:

Ingestion of incidental amounts of this product is not considered hazardous.

INHALATION:

Under normal conditions of use, inhalation of this product is unlikely and not expected to cause adverse effects.

SECTION 3: HAZARDOUS INGREDIENTS

<u>Name</u>	<u>CAS NO.</u>	<u>% wt/wt</u>
Carboxylated Styrene Butadiene Polymer	Proprietary	40% - 70%

SECTION 4: FIRST AID MEASURES

EYES:

Immediately flush eyes gently with water for at least 15 minutes, while holding open upper and lower lids. Immediately seek medical attention.

SKIN:

Remove contaminated clothing. Wash the exposed area with water.

INGESTION:

SEEK IMMEDIATE MEDICAL ATTENTION! Do Not Induce Vomiting. Rinse mouth out with water. Aspiration of material into the lungs due to vomiting can cause chemical pneumonitis which can be fatal.

INHALATION:

Remove affected person immediately to fresh air. Seek medical attention immediately if breathing difficulties develop.

SECTION 5: FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA:

Dry Chemical, CO₂, Foam or Water Fog

SPECIAL FIRE FIGHTING PROCEDURES:

Do not scatter material with high pressure water streams.

HAZARDOUS DECOMPOSITION PRODUCTS:

Fire or intense heat will decompose the product into smoke and fumes that may contain hydrocarbons and carbon monoxide.

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES:

Avoid unnecessary exposure and contact. Restrict access to spill to persons wearing protective gear. (see section 8)

ENVIRONMENTAL PRECAUTIONS: Stop leak at source. Dike and contain spill. Do not allow product to enter soil or waterways.

CLEAN-UP PROCEDURES:

Stop and contain / dam the spill. Avoid dilution. Absorb spill with inert material (vermiculite / diatomaceous earth). Shovel material into appropriate container for disposal. Water may be used for final clean.

SECTION 7: HANDLING AND STORAGE

HANDLING:

Avoid repeated or prolonged skin and eye contact. Wash thoroughly after handling.

STORAGE:

Do not allow product to freeze. Maintain storage temperatures between 65°F to 86°F (18°C to 30°C).

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

Normal room ventilation is usually adequate under normal use.

RESPIRATORY PROTECTION:

Under normal conditions of use, respiratory equipment is not required.

EYE PROTECTION:

Safety goggles or face shield

SKIN PROTECTION:

Use gloves; wear protective clothing to prevent skin contact. In cured form, the product is difficult to remove from skin and hair.

WORK HYGIENIC PRACTICES:

Use good hygiene practices when handling this material including changing and laundering of work clothes after use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Milky white liquid emulsion

BOILING POINT: 100°C (212°F)

ODOR: Slight odor

FLAMMABILITY: Not available

ODOR THRESHOLD: Not available

UPPER FLAMMABILITY LIMITS: Not available

PHYSICAL STATE: Liquid

LOWER FLAMMABILITY LIMITS: Not available

pH: 7.5-8.5

VAPOR PRESSURE: 17.5 mm Hg @ 20°C

FREEZING PT: 32°F

VAPOR DENSITY: 0.624 @ 26.7°C

FLASH POINT: Not available

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

SPECIFIC GRAVITY: 0.98-1.04

PARTITION COEFFICIENT: Not available

SOLUBILITY (H₂O): Dilutable, not soluble

AUTO-IGNITION TEMPERATURE: Not available

VISCOSITY: 500 cps maximum

SECTION 10: STABILITY AND REACTIVITY

STABILITY:

Stable under normal conditions.

CONDITIONS TO AVOID (STABILITY):

Freezing temperatures

INCOMPATIBILITY (MATERIAL TO AVOID):

Acids, or multivalent metal salts, may cause coagulation.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:

Fire or intense heat will decompose the product into smoke and fumes.

HAZARDOUS POLYMERIZATION:

Hazardous polymerization will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

This polymer is not known to be toxic to humans.

SECTION 12: ECOLOGICAL INFORMATION

No bioconcentration of the polymeric component is expected due to its high molecular weight.

The polymeric component is not expected to biodegrade.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method

Do not dump into any body of water. Waste disposal should be in accordance with existing federal, state and local environmental control laws.

SECTION 14: TRANSPORT INFORMATION

Not regulated by DOT (US) when shipped domestically by land.
Not regulated by TDG (Canada) when shipped domestically by land.

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

Ingredient	TSCA	CERCLA	SARA	
			302	313
Carboxylated Styrene Butadiene Polymer	Yes	N/A	No	No

WHMIS:

All components are listed on the CEPA Domestic Substances List (DSL)

NFPA HAZARD CLASSIFICATION:

HEALTH: 1 FLAMMABILITY: 1 REACTIVITY: 0

SECTION 16: OTHER INFORMATION

PREPARATION INFORMATION:

April, 2008

This MSDS is on a three year review cycle. If the date on this sheet is older than three years please contact *de neef* Construction Chemicals Inc. for an updated MSDS.

DISCLAIMER:

All information appearing herein is based on manufacturer and/ or recognized technical sources. While the information is believed accurate *de neef* Construction Chemicals Inc. makes no representations as to the accuracy or sufficiency of the information.