Material Safety Data Sheet
NBR 8300

Chemical Product And Company Identification

Substance: Acrylonitrile Butadiene Copolymer Powdered Rubber

MSDS Number: MBPL.8300/001.

Company Identification

Company: Alpha Plastic Chemicals Ltd.

Telephone: +44 20 88 168 125

Plant: Synthetic Rubber production

CAS Number: 9003-18-3 (for polymer)

Creation Date: 01/11/09

Section 2 - Composition, Information on Ingredients

Component: Acrylonitrile Butadiene Copolymer/PVC Dispersion.
Trade Names/ Synonyms: NBR 8300 / NBR Powder
Chemical Family: Polyvinyl Chloride (PVC)

CAS Number: 9002-86-2

Percentage (%):7.0-10.0 [ACGIH (TLV-TWA): 10mg/M3 T*, OSHA (PEL-TWA): 5mg/M3 R *]

**) T: Total dust R: Respiration dust*

Section 3 - Hazards Identification

NFPA Ratings (Scale 0-4)

Health	Fire	Reactivity
1	1	0

Hazard Rating: 0=Insignificant, 1=Slight, 2=Moderate, 3=High, 4=Extreme

Emergency Overview: If exposed to excessive heat or open flame, the product will burn.

Change in Appearance: Powder

Colour: Light yellowish

Physical Form: Flammable powder

Odour: Not Applicable

Major Health Hazards: Not Established

Potential Health Effects

Inhalation: Not Established

Short Term Affects: Inhalation of fine particulates may cause mild irritation of the respiratory tract. It also may cause mild transient eye irritation.

Long Term Affects: Repeated and prolonged inhalation of dust in excess of high dust levels may lead to a benign Pneumoconiosis (dust in the lungs). This condition may cause some impairment of lung function which may be reversible with reduced exposure. Vinyl chloride Monomer is classified as a potential carcinogen by IARC, NPT and OSHA.

Skin Contact:

Short Term Effects: Not Established

Long Term Effects: Not Established

Eye Contact:

Short Term Effects: Not Established

Long Term Effects: Not Established

Ingestion:

Short Term Effects: Not Established

Long Term Effects: Not Established

Carcinogen Status:

OSHA: Not Established

NTP: Not Established

IARC: Not Established

Section 4 - First Aid Measures

Inhalation: Move subject to fresh air.

Skin Contact: Wash skin with plenty of water.

Eye Contact: Flush with plenty of water. Particulates should be removed from the eyes by trained medical personnel.

Ingestion: Not Established

Note to Physician: Not Established

Section 5 - Fire Fighting Measures

Flash Point: Not Applicable

Auto Ignition: Not Established

Lower Flammable Limit: Not Applicable

Upper Flammable Limit: Not Applicable

Flammability Class (OSHA): Not Established

Extinguishing Media: Water, Dry Chemical, Co2 and Form

Fire Fighting: During emergency conditions, overexposure to thermal decomposition products may cause a health hazard. An approved self-contained breathing apparatus should be worn.

Hazardous Combustion Products: When exposed to flame, emits acrid fumes.

Section 6 - Accidental Release Measures

Occupational Spill: Sweep, shovel, vacuum into container for disposal or reuse.

Section 7 - Handling And Storage

Keep away from excessive heat and open flames. Empty containers should not be reused unless thoroughly cleaned of any product residues.

Section 8 - Exposure Controls, Personal Protection

Exposure Limits: Not Established

Ventilation: There should be enough fresh air flowing past the user to keep the exposure limits below those listed in the *Composition/Information on the Components Section*.

Eye Protection: Safety glasses or goggles should be worn

Clothing: Not Established

Gloves: Not Applicable/ Not Established

Respirator: Approved respiratory protection for airborne particulates should be worn if the dust levels exceed those shown in the *Composition/Information on the components section*. For Seetec powder with polyvinyl.

Chloride as the Partitioning Agent: If the workplace residual monomer vapour concentration should exceed the exposure limits, use an approved air purifying organic vapour chemical cartridge respirator or an air supply respirator.

Section 9 - Physical And Chemical Properties

Description: Acrylonitrile Butadiene Copolymer Rubber

Physical State: Powder

Odour: Not Applicable

Colour: Light Yellowish

Molecular Weight Not Established

Molecular Formula: Not Established

Boiling Point: Not Applicable

Freezing Point: Not Established

Vapour Pressure Not Applicable

Vapour Density (Air=1): Not Established

Specific Gravity (Water=1): Not Established

Water Solubility: Insoluble

PH: Not Established

Solvent Solubility: Not Established

Volatility: 1.2max. %

Specific Gravity1.0-1.04

Vapour Density: Not Applicable

Odour Threshold: Not Established

Evaporation Rate: Not Established

Viscosity: Not Established

Coefficient of Water/Oil Distribution: Not Established

Solvent Solubility: Not Established

Section 10 - Stability And Reactivity

Reactivity: Not Established

Conditions to Avoid: Material is stable

Incompatibilities: Not Established

Ethers: Not Established

Hazardous Decomposition: Normal hydrocarbon products expected: HCN, CO, CO2 and HCl if PVC is a partitioning agent.

Polymerization: Not Established

Section 11 - Toxicological Information

Irritation Data: Not Established

Toxicity Data: Not Established

Carcinogen Status: Not Established

Acute Toxicity Level: Not Established

Target Effects: Not Established

Reproductive Effects Data: Not Established

Eco Toxicity Data: Not Established

Fish Toxicity: Not Established

Invertebrate Toxicity: Not Established

At Increased Risk from Exposure: Not Established

Algal Toxicity: Not Established

Fate and Transport: Not Established

Environmental Summary: Not Established

Health Effects: Not Established

Inhalation: Not Established

Narcotic:

- **Acute Exposure:** Not Established
- **Chronic Exposure:** Not Established

Skin Contact:

- **Acute Exposure:** Not Established
- **Chronic Exposure:** Not Established

Eye Contact:

- **Acute Exposure:** Not Established
- **Chronic Exposure**: Not Established

Ingestion:

Acute Exposure: Not Established

Chronic Exposure: Not Established

Section 12 - Ecological Information

Environmental Impact Rating (0-4): Not Established

Acute Aquatic Toxicity: Not Established

Degradability: Not Established

Log Bioconcentration Factor (BCF): Not Established

Log Octanol/Water Partition Coefficient: Not Established

Section 13 - Disposal Considerations

Incinerate or treat in accordance with applicable environmental control regulations. Recycle if possible based upon most recent process knowledge this product, as solid, would not be hazardous waste (it disposed) per 40cfr261.24.

Section 14 - Transport Information

United State: Not Established
Basic Description: Not Applicable
Freight Description: Rubber, Synthetic, Crude, Release per NMFC Item 171800.
Primary Hazard Class: Not Applicable
Subsidiary Hazard Class: Not Applicable
Labels Required: Not Applicable
Reportable Quantity: Not Applicable

Section 15 - Regulatory Information

The component of this mixture is included in the US EPA Toxic Substance Control act (TSCA) “Chemical Substance Inventory” and the Canadian “Domestic Substance List”. This product does not contain a SARA S-313 toxic chemical above the de minimis thresholds. Vinyl chloride is regulated by OSHA standard 29 CFR Part 1910.1017.

Section 16 - Other Information

The partitioning agents (powder) are considered hazardous as defined by the OSHA Hazard Communication standard CFR title 29 part 1910.1200. This product (including the partitioning agents) is not defined as a controlled product by the WHMIS Canadian legislation.