



ALPHA
PLASTIC CHEMICALS

Material Safety Data Sheet **NBR 6300**

Product and Company Identification

Product Name: NBR 6300 (Acrylonitrile-Butadiene Rubber)

MSDS Number: MBPL 6300/001

CAS Number: 9003-18-3

Recommended Use Of The Chemical And Restrictions On Use

General use: Brake pad 2nd binder, PVC shoes, adhesives, PVC gasket, asphalt reforming agent, etc.

Restriction on Use: Not available

Information On Manufacturer/ Supplier/ Distributor

Company name: Alpha Plastic Chemicals Ltd.

Telephone: +44 (0)1283 711588

Hazards Identification

Hazard classification: Not classifiable

Label Elements Including Precautionary Statements

Pictograms: Not applicable

Signal Words: Not applicable

Hazard Statements: Not applicable

Precautionary Statements: Not applicable

Other Hazards Which Do Not Result In Classification (e.g. Dust Explosion Hazard)

NFPA(0-4): Health=1, Flammability=1, Reactivity =0

0=Insignificant, 1=S

light, 2=Moderate, 3=High, 4=Extreme

Composition/ Information On Ingredients

Chemical Name	Other Name	CAS Number or Identification Number	Content (%)
Acrylonitrile-Butadiene Rubber	NBR	9003-18-3	90
Calcium carbonate	CaCO ₃	471-34-1	10

First Aid Measures

Eye contact: Flush eyes thoroughly with water for several minutes. Remove any contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. If effects occur, consult a physician preferably an ophthalmologist.

Skin contact: Wash skin with plenty of water.

Inhalation: Move person to fresh air; if effects occur, consult a physician.

Ingestion: No emergency medical treatment necessary.

Most important acute and delayed symptoms/ effects: Not Available

First aid and notes for physicians: No specific antidote. Treatment of exposure should be directed at the control of symptoms and the condition of the patient.

Fire-Fighting measures

Suitable extinguishing media: Suitable extinguishing media; Use an extinguishing agent suitable for the surrounding fire. Such as, water, dry chemical, carbon dioxide or foam fire extinguishers.

Unsuitable extinguishing media: None known.

Specific hazards arising from the chemical (e.g. hazardous combustion products):

Dense smoke is emitted when burned without sufficient oxygen.

Special protective equipment and precautions for fire-fighters

Special protective equipment for fire fighters:

Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots, and gloves). If protective equipment is not available or not used, fight the fire from a protected location or safe distance.

Fire fighting procedures:

Keep people away. Isolate fire and deny unnecessary entry. Soak thoroughly with water to cool and prevent re-ignition. Cool surroundings with water to localize fire zone.

Accidental Release Measures

Measures required for personal protection and protective equipment: No special measures required.

Measures required for environment protection: No special measures required.

Clean-up and removal method: Sweep up. Recover spilled material if possible. Collect in suitable containers for disposal or reuse.

Handling And Storage

Precautions for safe handling: Provided good ventilation and/or local exhaust systems are used.

Avoid prolonged or repeated contact with skin. Use good personal hygiene.

Do not consume or store food in the work area. Wash hands before smoking or eating.

Take precautionary measures against static discharges.

Electrically bond and ground all containers and equipment before transfer or use of material.

Conditions for safe storage (including incompatibilities): Minimize sources of ignition, such as static build-up, heat, spark or flame. Store in a dry place and away from direct sunlight.

Exposure controls & personal protection

Exposure limits of the chemical substance, biological exposure limits and etc: None established.

Appropriate engineering controls: Ventilation; Good ventilation should be sufficient for most conditions. Local exhaust ventilation may be necessary for some operations.

Personal protective equipment: Protection of respiratory system;

Use an approved air-purifying respirator when vapours are generated at increased temperatures or when dust or mist is present.

Eye protection: Protective goggles with side shield or tightly fitting protective goggles.

Hand protection: Chemical protective gloves should not be needed when handling this material.

Consistent with general hygienic practice for any material, skin contact should be minimized.

Body protection: No precautions other than clean body-covering clothing should be needed.

Physical and chemical properties

Appearance (physical state, colour, etc.): Solid (powder), White

Odour: Characteristic (Slight)

Odour threshold: Not applicable

PH: Not applicable

Melting point/freezing point: Not applicable

Initial boiling point and boiling range: Not applicable

Flash point: Not applicable

Evaporation rate: Not applicable

Flammability (solid, gas): Not applicable

Upper/lower flammable or explosive limits: Not applicable

Vapour pressure: Not applicable

Solubility: Insoluble in water

Vapour density: Not applicable

Specific gravity: 0.99 (based on water)

Partition coefficient: n-octanol/water. Not applicable

Auto-ignition temperature: Not applicable

Decomposition temperature: Not applicable

Viscosity: Not applicable

Molecular weight: Not applicable

Stability and Reactivity

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: Will not occur

Conditions to avoid (e.g. static discharge, shock, vibration, etc.): Avoid temperatures above 200°C (392°F) The product contains residual instauration which can undergo exothermic oxidative degradation. Accumulation of product in areas exposed to elevated temperatures for extended periods in the air may result in self-heating and auto ignition. Avoid direct sunlight.

Incompatible materials: Avoid contact with oxidizing materials.

Hazardous decomposition products: Caused by smouldering and incomplete combustion toxic fumes mainly consisting of CO and CO₂ may be developed. Degradation products of the polymers and their additives may also be formed.

Toxicological information

Information on the likely routes of exposure

Respiratory system: Not classifiable

Oral: Not classifiable

Eyes/skin: Not classifiable

Delayed and immediate effects and chronic effects from short or long term exposure

Acute toxicity (All routes of possible exposure shall be mentioned.)

Acute oral toxicity: Not available

Acute dermal toxicity: Not available

Acute inhalation toxicity: Not available

Skin corrosion/irritation: Not classifiable

Serious eye damage/eye irritation: Not classifiable

Respiratory sensitization: Not classifiable

Skin sensitization: Not classifiable

Carcinogenicity: Not classifiable

Not classifiable as a carcinogen in NTP, IARC, IARC Group 3 (Not classifiable as to its carcinogenicity to humans)

Germ cell mutagenicity: Not available

Reproductive toxicity: Not classifiable

Specific target organ toxicity (single exposure): Not available

Specific target organ toxicity (repeated exposure): Not available

Aspiration hazard: Not available

Numerical measures of toxicity (acute toxicity estimation (ATE), etc.)

Ecological Information

Aquatic and terrestrial eco toxicity: Not available

Persistence and degradability: Not available

Bioaccumulation: Not available

Mobility in soil: Not available

Other adverse effects: Not available

Disposal considerations

Disposal methods: The user of this product must properly characterize the waste/container generated from the use of this product in accordance with all applicable federal, state and/or local laws and regulations in order to determine the proper disposal of the waste in accordance with all applicable federal, state and/or local laws and regulations.

Precautions for disposal (including the disposal method of contaminated containers and packages)

The user of this product must disposal by oneself or entrust to waste disposer or person who other's waste recycle and dispose, person who establish and operate waste disposal facilities. Dispose of waste in accordance with local regulation.

Transport information

UN number: Not available

UN proper shipping name: Not available

Transport hazard classes: Not available

Packing group, if applicable: Not available

Marine pollutant (Yes/No): Not available

Information on any special precautions, which a user needs to be aware of, or needs to comply with in connection with transport

Type of extraordinary step in fire: F-A

Type of extraordinary step in spill: Not applicable

Local transport follows in accordance with Dangerous goods Safety Management Law. Package and transport follow in accordance with Department of Transportation (DOT) and other regulatory agency requirements.

Regulatory information

Industrial Safety and Health Law

This product is not subject to the chemical for classification and labelling under ISHL Article 41.

This product is not subject to the chemical needs monitoring workplace exposure limit under ISHL Article 42.

This product is not subject to the chemical specified the exposure limit under ISHL Article 42.,
Public notice 2008-2.

This product does not contain a chemical subject to regulated hazardous substances under Industrial
Health Standards Article 166, Table 7.

Toxic Chemical Control Law

This product is not classified as Toxic chemical and Observational chemical under TCCA Article 2.3.
and 2.4.

Dangerous Goods Safety Control Law (from Chap.5 in old MSDS)

This product is not classified under the Presidential decree of Dangerous goods Safety Management
Law, Revision 2006.05.25, Table 1.

Wastes Management Law (from Chap.13 in old MSDS)

This product is classified as Waste beside Designated Waste under the Presidential decree of Waste
Management Law, Table 1.

Other regulations in domestic and foreign countries

POPs Management Law: Not applicable

Rotterdam Convention on Harmful Chemicals & Pesticides: Not applicable

Stockholm Convention on Persistent Organic Pollutants: Not applicable

Montreal Protocol on Substances That Deplete the Ozone Layer: Not applicable

EU Classification: Not available

Administration Information of U.S.A

OSHA regulation (29CFR1910.119): Not applicable

- **CERCLA 103 regulation (40CFR302.4):** Not applicable

- **EPCRA 302 regulation (40CFR355.30):** Not applicable

- **EPCRA 304 regulation (40CFR355.40):** Not applicable

- **EPCRA 313 regulation (40CFR372.65):** Not applicable

Other information

Sources of reference materials:

Handbook of Industrial toxication, SHINKWANGPUB, TOXNET,

U.S. National Library of Medicine, NCIS,

National Institute of Environmental Research (<http://ncis.nier.go.kr>),

Hazardous material information management system,

National Emergency Management Agency (<http://hazmat.nema.go.kr>),

IUCLID Chemical Data Sheet, EC-ECB

The first date of preparation (from Chap.1 in old MSDS):

2008. 04. 28

Number of revision times and the latest revision date (from Chap.1 in old MSDS):

2009. 02. 06 (Rev.1)

Others:

The Data given here is based on current knowledge and experience.

The purpose of this Safety Data Sheet is to describe the products in terms of their safety
requirements.

The above details do not imply any guarantee concerning composition, properties or performance.