

NBR - Material Safety Data Sheet

Product Identification

Product Name: NBR
 Identified Uses: Raw materials for rubber products needing oil-proof characteristic (automobile parts, rubber hoses, gaskets, belts)
 Uses advised against: Not Available

Physical and Chemical Properties

Appearance	Solid
Colour	Yellow White
Odour	Mild
Solubility	Insoluble in water
Boiling Point	Not applicable
Boiling Range	Not applicable
Melting Point °C	Not applicable
Relative Density	Not available
Vapour Density	Not available
Vapour Pressure	Not applicable
Evaporation Rate	Not available
PH Value	Not available
Viscosity	Not available
Decomposition Temperature°C	Not available
Odour Threshold Lower	Not available
Odour Threshold Upper	Not available
Flash Point	246°C
Auto Ignition Temperature °C	> 388°C
Flammability Limit	Not available
Partition Coefficient	Not applicable
Explosive Properties	Not applicable
Other Flammability	Not available
Oxidising Properties	Not available
Mol Weight	Not available

Health Hazard Data

Contains: Butadiene- Acrylonitrile polymer

First Aid Measures

Eye Contact	Do not rub eye. Promptly wash out with water while lifting the eyelid, making sure to remove any contact lenses from the eye before rinsing.
Skin Contact	Promptly wash the contaminated skin with water, promptly remove clothing if soaked through and wash the skin with water, wash contaminated clothes before reuse, get medical attention if discomfort continues.
Ingestion	Move into fresh air and keep at rest. If respiratory problems, artificial respiration/oxygen Get medical attention if any discomfort continues.
Inhalation	Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. Get medical attention if any discomfort continues. Rinse mouth.

Fire Fighting Measures

Extinguishing media	Water, Foam, Carbon dioxide (CO ₂). Dry chemicals
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Hazardous combustion products	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours
Unusual Fire & Explosion Hazards	Heat may cause the containers to explode
Specific hazards	When heated and in case of fire, irritating vapours/gases may be formed. Dust or gas may ignite by flames

Special Fire Fighting Procedures	Keep up-wind to avoid fumes. Fight advanced or massive fires from safe distance or protected location. Withdraw immediately in case of rising sound from venting safety device or any discolouration of tanks due to fire. Avoid inhalation of materials or combustion by-products.
Protective equipment for fire-fighters	Use protective equipment appropriate for surrounding materials

Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Wear protective clothing as described in Section 8 of this safety data sheet. Avoid heat, flames and other sources of ignition. Keep upwind. Stop leak if possible without risk. Move container from fire area if it can be done without risk
Environmental precautions	Store away from waterworks or drainage system. Prevent run-off from entering ground, storm sewers and ditches which lead to natural waterways. If large spills, call emergency services to get advice.
Methods and material for containment and cleaning up	Small Spillages: Collect spilled material in appropriate container for disposal Avoid lowland and keep upwind. Large Spillages: Dispose of contents/containers in accordance with local/regional/national/international regulations.

Exposure Controls

Precautions for safe handling	Wear protective clothing as described in Section 8 of this safety data sheet. Provide adequate ventilation. Avoid contact with skin and eyes. Avoid heat, flames and other sources of ignition. Wash thoroughly after handling. Handle and open container with care.
Conditions for safe storage, including any incompatibilities	Keep container tightly sealed when not in use. Store and handle in accordance with all current regulations and standards. Do not store near heat sources or expose to high temperatures. Protect against direct sunlight.

Exposure Controls

Personal protection	Protective Equipment
Process conditions	Use engineering controls to reduce air contamination to permissible exposure level Provide eyewash, quick drench
Engineering measures	Provide adequate general and local exhaust ventilation
Respiratory equipment	Wear suitable respiratory protection. Under frequent use or heavy exposure, respiratory protection may be needed.
Eye protection	Wear approved safety goggles
Hygiene measures	Wash hands after handling
Skin protection	Wear suitable protective clothing.
Hand Protection	Wear suitable gloves

Stability and Reactivity

Chemical Stability	Stable under normal temperature conditions and recommended use
Possibility of hazardous reactions	Will not occur
Conditions to avoid	Avoid heat, flames and other sources of ignition. Protect against direct sunlight
Hazardous decomposition products	Hydrocarbons. In case of fire, toxic gases (CO, CO ₂ , and NO _x) may be formed. Sulphurous gases (SO _x). Hydrogen cyanide (HCN).

Toxicological Information

Acute Toxicity (Oral LD50)	Not available
Acute Toxicity (Dermal LD50)	Not available
Acute Toxicity (Inhalation LC50)	Not available
Skin Corrosion/Irritation	Not available
Serious eye damage/irritation	Not available
Respiratory sensitisation	Not available
Skin sensitisation	Not available
Genotoxicity - In Vitro	Not available
Genotoxicity - In Vivo:	Not available
Carcinogenicity	Not available
Reproductive Toxicity – Fertility	Not available
Reproductive Toxicity – Development	Not available
STOT - Single exposure	Not available
STOT - Repeated exposure	Not available

Environmental Toxicological Information

Acute Toxicity – Fish	Not available
Acute Toxicity - Aquatic Invertebrates	Not available
Acute Toxicity - Aquatic Plants	Not available
Acute Toxicity – Micro-organisms	Not available
Chronic Toxicity - Fish Early life Stage	Not available
Short Term Toxicity - Embryo and Sac Fry Stages	Not available
Chronic Toxicity - Aquatic Invertebrates	Not available
Acute Toxicity – Terrestrial	Not available

Disposal Considerations

General information	Dispose of contents/containers in accordance with local/regional/national/international regulations. Waste is suitable for incineration. If the waste contains designated waste and difficult to separate, incinerate it or reduce the volume following the similar way as incineration. If applicable, pre-treat the waste by oil/water separation
Waste treatment methods	Confirm disposal procedures with environmental engineer and local regulations. Dispose of the waste by oneself or contact Disposal Company.

Transport Information

General	The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).
UN number	Not applicable
UN shipping name	Not applicable
Transport hazard	Not applicable
Packing group	Not applicable
Environmental hazards	Environmentally Hazardous Substance/Marine Pollutant: No.
Special precautions for user	Not applicable
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable

Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Authorisations (Title VII Regulation 1907/2006)	No specific authorisations are noted for this product.
Restrictions (Title VIII Regulation 1907/2006)	No specific restrictions of use are noted for this product.
Chemical Safety Assessment	A chemical safety assessment has been carried out for Resin acids and Rosin acids, potassium salts (CAS: 61790-50-9) and Facid (CAS: 67701-06-8).

Other Information

The above information is on the designated special materials, but does not apply in any case where the processing of these materials with other materials or mixtures. These are the most reliable and accurate information that we do our best so far obtained. However, we cannot guarantee or warrant that its content is accurate, reliable and complete. When the user use and their applicability must be fully aware of the content in order to achieve the purpose of use. We are not responsible for loss or damage to occur when using the above information, and assume warranty for violations.

Disclaimer

To the best of our knowledge the information contained in this publication is accurate; however, we do not assume any liability whatsoever for the accuracy or completeness of such information. We strongly recommend that users seek and adhere to the manufacturer's or supplier's current instructions for handling each material they use and they satisfy themselves that they can meet all applicable safety and health standards. This information is based upon technical information believed to be reliable. It is subject to revision as additional knowledge and experience is gained.