



NEAR INTERNATIONAL TRADE CO.,LIMITED  
ADD:FLAT 1506,15/F,LUCKY CENTER,NO.165-  
171 WAN CHAI ROAD,WAN CHAI,HONG KONG  
WEB:https://nearchemical.net/

## MATERIAL SAFETY DATA SHEET

MSDS DATE: 1/1/2018

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### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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**PRODUCT NAME:** NBR Latex- water base  
**CHEMICAL FAMILY:** Carboxylated Butadiene Acrylonitrile Polymer- water base  
**PRODUCT CODE:** QD-101  
**PRODUCT COLOR:** Light white liquid  
**PRODUCT USE:** Raw material for industrial use

**SUPPLIER:** NEAR INTERNATIONAL TRADE CO.,LIMITED  
**CONTACT PHONE/FAX:** 0546-7277736

#### SECTION 1 NOTES:

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### SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

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#### INGREDIENT:

<u>CAS NO.</u>	<u>Chemical Name</u>	<u>% WT</u>
Proprietary	Carboxylated Butadiene Acrylonitrile Polymer	40-50
Proprietary	Stabilizer	01-05
7664-41-7	Ammonia	0.35(Max)
107-13-1	Acrylonitrile	40ppm (Max)
7732-18-5	Water	45-60

**Other Information:** The product contains, as generally common for products of this kind, traces of monomers due to the manufacturing process, even after intensive cleaning

#### SECTION 2 NOTES:

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### SECTION 3: HAZARDS IDENTIFICATION

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**EMERGENCY OVERVIEW:** No significant immediate hazards for emergency response are known.  
**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 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.



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### **Carcinogenic Effects**

This material contains acrylonitrile monomer which is listed by the International Agency for Research on Cancer (IARC) as a group 2B cancer causing agent (possibly carcinogenic to humans). The National Toxicology Program (NTP) has listed acrylonitrile as a substance that may reasonably be anticipated to be a human carcinogen.

### **SECTION 3 NOTES:**

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### **SECTION 4: FIRST AID MEASURES**

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#### **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.

### **SECTION 4 NOTES:**

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### **SECTION 5: FIRE-FIGHTING MEASURES**

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#### **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**



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Keep people away. Isolate fire area and deny unnecessary entry. Containers of this material may build up pressure if exposed to heat (fire). Use a water spray to cool fire-exposed containers.

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### **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.

### **SECTION 5 NOTES:**

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## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

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### **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.

### **SECTION 6 NOTES:**

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## **SECTION 7: HANDLING AND STORAGE**

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### **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.

### **SECTION 7 NOTES:**



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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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### 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.

The Occupational Safety and Health Administration (OSHA), has established a Permissible Exposure Limit (PEL) of 2 ppm and an action level of 1ppm for acrylonitrile. Refer to 29 CFR 1910.1045 for information. The American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV) for acrylonitrile is 2 ppm, Time Weighted Average (TWA) for an 8-hour workday and a 40-hour work week with a skin notation which indicates absorption through the skin could add to the employees exposure.

### Engineering Controls

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

### 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.

## SECTION 8 NOTES:

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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### Physical Properties

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

**Odor:** Slight ammonia odor.

**Physical State:** Liquid.

**pH:** 6.0 - 9.0

**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)



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**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.

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### **SECTION 10: STABILITY AND REACTIVITY**

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#### **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.

#### **SECTION 10 NOTES:**

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### **SECTION 11: TOXICOLOGICAL INFORMATION**

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#### **TOXICOLOGICAL INFORMATION:**

##### **Acute Toxicity (Humans)**

Refer to Section 3 for available information on potential health effects.

##### **SKIN:**

- Based on properties of similar polymers, the polymer is not hazardous.
- Acrylonitrile: dermal LD50 (rabbit), 250 mg / kg.

##### **INGESTION:**

- Based on properties of similar polymers, the polymer is not hazardous.
- Ammonia: oral LD50 (rat), 350 mg / kg.
- Acrylonitrile: oral LD50 (rat) 36 - 85 mg / kg.

##### **INHALATION:**

- Based on properties of similar polymers, the polymer is not hazardous.
- Ammonia: inhalation LC50 (rat), 2,000 ppm / 4 hr.
- Acrylonitrile: Inhalation LC50 (rat), >1,000 ppm / 1 hr; 500 ppm / 4 hr.

#### **SECTION 11 NOTES:**



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## SECTION 12: ECOLOGICAL INFORMATION

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### 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).

### SECTION 12 NOTES:

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## SECTION 13: DISPOSAL CONSIDERATIONS

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### WASTE 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 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.

### SECTION 13 NOTES:

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## SECTION 14: TRANSPORT INFORMATION

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### Transport/further information

Not classified as dangerous in the meaning of transport regulations.

### SECTION 14 NOTES:



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## SECTION 15: REGULATORY INFORMATION

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### U.S. Federal Regulations

Occupational Safety and Health Act (OSHA): This material is classified as a hazardous chemical 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:  
- A delayed health hazard.

### 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 Canadian Domestic Substances List (DSL).

### Additional Information

California Proposition 65: This material contains chemicals known to the State of California to cause cancer.  
- 4-Vinylcyclohexene  
- Acrylonitrile

### INTERNATIONAL REGULATIONS:

### SECTION 15 NOTES:

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## SECTION 16: OTHER INFORMATION

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### OTHER INFORMATION:

### PREPARATION INFORMATION:

**DISCLAIMER:** This information is provided in good faith and is correct to the best knowledge as of the date hereof and is designed to assist our customers; however makes no representation as to its completeness or accuracy. Our products are intended for sale to industrial and commercial customers. We require customers to inspect and test our products before use and to satisfy as to suitability for their specific applications. Any use which customers or third parties make of this information, or any reliance on, or decisions made based upon it, are the responsibility of such customer or third party. We disclaim responsibility for damages, or



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