

MSDS MATERIAL SAFETY DATA SHEET**SECTION I MATERIAL IDENTIFICATION**

TRADE NAME: NULAR® MATERIAL USE: Protective Coating EMERGENCY TEL # 1-866-979-0300
 CHEMICAL FAMILY: Water suspension of elastomeric synthetic polymers and inert fillers.
 T.D.G. CLASSIFICATION: NON REGULATED WHIMIS CLASSIFICATION: NON REGULATED

SECTION II COMPOSITION, INFORMATION ON INGREDIENTS

COMPONENT	CAS#	% (BY MASS)	LC50 (ppm) (rat inhal)	LD50 (mg/kg) (rat oral)
Complex mixture of synthetic polymers	9003-01-04	40-70	n/a	n/a
Anionic surfactants	143-19-1	0.5-2.0	n/a	n/a
Inert mineral fillers	92704-41-4	10-25		
Water	7732-18-5	10-20	n/a	n/a
Ammonia	7664-41-7	0.3 (max)		

SECTION III PHYSICAL PROPERTIES

Odour and appearance: Grey liquid, slight ammoniac odour. - Odour threshold: n/a - Specific gravity: 1.00 (approx.)
 Coefficient of water/oil distribution: n/a - Vapour pressure (mm Hg): 17 @20°C (water) - Boiling point: 100°C (water) - Freezing point: 0°C
 pH: 8-11 - Vapour density (air = 1): >1 - Evaporation rate (nBuAcetate = 1): <1 - Volatiles %: 10-30 (water) - Solubility in water: completely dispersible

SECTION IV FIRE & EXPLOSION DATA

Means of extinction: n/a - Sensitivity to mechanical impact/static discharge: n/a - Flash point (method): n/a (non-combustible)
 Upper flammable limits % : n/a - Lower flammable limits % : n/a - Auto-ignition temperature: n/a - Special fire fighting instructions: n/a
 Unusual fire and explosion hazards: Product will not burn but may splatter if temperature exceeds the boiling point of water.

SECTION V REACTIVITY DATA

Chemical stability: Stable - Incompatible materials: NULAR is an alkaline product and will react with alkaline sensitive materials such as acids and certain metals. Contact with incompatible chemicals such as acids or multivalent salts may cause coagulation. Do not store in aluminum containers or mix with aluminum implements.
 Hazardous decomposition products: To avoid formation of steam, avoid heating above 100°C (212°F). If the product is subjected to elevated temperatures, hazardous vapours can be released once all the water has evaporated. Potential including carbon monoxide, organic acids and aldehydes. - Hazardous polymerization: Will not occur.

SECTION VI HEALTH INFORMATION

Exposure limit: n/a - Inhalation: n/a - Skin: Short single exposure is not likely to cause significant skin irritation. Prolonged or repeated exposure may result in slight irritation and redness. A single prolonged exposure is not likely to result in the material being absorbed through the skin in harmful amounts. - Eyes: contact with the eyes will result in irritation. - Ingestion: Single dose oral toxicity is considered to be very low. - Chronic effects: n/a
 Caution: Inhalation of vapour or mist can cause headache, nausea and irritation of the eyes, nose, throat and lungs.

EMERGENCY AND FIRST AID PROCEDURES

Inhalation: n/a
 Skin: This is an alkaline product. If splashed on the skin immediately wash thoroughly with fresh water. If the product has dried on the skin massage the area with medical grade mineral oil, baby oil or edible oil, then wash with soap and water. If irritation persists seek medical attention.
 - Eyes: Flush thoroughly with fresh water for at least ten minutes. Seek medical attention.
 Ingestion: DO NOT INDUCE VOMITING. Seek medical attention.

SECTION VII SPILL PROCEDURES

In the event of a spill: Dike and contain, transfer to containers for recovery or disposal. Keep out of sewers.
 Waste disposal method: Follow federal, provincial and local regulations regarding disposal.

SECTION VIII SPECIAL PROTECTION

Respiratory protection: n/a - Ventilation: Good general ventilation should be sufficient to control airborne levels of irritating vapors. Local exhaust ventilation may be necessary for some operations. - Protective gloves: Recommended - Eye protection: safety glasses/splash goggles recommended - Other protective equipment: Long sleeves, loose clothing recommended.

SECTION IX SPECIAL PRECAUTIONS

Storage and handling conditions: Keep containers tightly closed when not in use. KEEP FROM FREEZING.
 Special shipping information: Not regulated by the Transportation of Dangerous Goods Regulations.

Prepared by: Liquid Rubber Industries Inc. - Preparation date: 1-Feb-2010

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