

As part of Northwest Coatings Corp.'s program to communicate health and safety information to our customers, we regularly review and update our MSDS to provide information that is as complete and current as possible. The attached MSDS is the current update for the product that we currently supply to your company. If any hazardous components are present, they will be listed in the MSDS section II Hazardous Components along with the CAS number and the percent present in the compound. Information is also reported in Section II to meet the requirements of SARA Title III – Section 313.

This memo is part of the MSDS and must not be detached from the MSDS. Any copying or redistribution of the MSDS shall include this memo. We suggest you read the enclosed material closely and forward it to the appropriate personnel within your company. If you have any questions about this information, please contact us at 414-762-3330 or Chemtrec at 1-800-424-9300.

NORTHWEST COATINGS CORP.

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Material Safety Data Sheet

Product # 4015

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NORTHWEST COATINGS CORP.
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PHONE: 414-762-3330

EMERGENCY PHONE NUMBER: Chemtrec 800-424-9300
PREPARED BY: Martin Baur
PREPARATION DATE: June 22, 2000
REVISION DATE: April 7, 2001

I. PRODUCT IDENTIFICATION

PRODUCT: 4015	HMIS CODE
TRADE NAME: Natural Rubber Cohesive	HEALTH: 2
CHEMICAL NAME: N/A	FLAMMABILITY: 1
CHEMICAL FAMILY: Compounded Natural Rubber Latex	REACTIVITY: 0
	PERSONAL PROTECTION: C

II. HAZARDOUS COMPONENTS

<u>COMPONENT</u>	<u>CAS NUMBER</u>	<u>Weight %</u>	<u>Regulated Under SARA 313</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>
Ammonia hydroxide	1336-21-6	<1%	Yes	25 ppm (As NH ₃)	35 ppm (As NH ₃)
Zinc compound	N/A	1.5%	Yes	N/A	N/A

III. PHYSICAL PROPERTIES

BOILING POINT (water 212°F):	Equal to water	SPECIFIC GRAVITY:	0.96
VAPOR PRESSURE (MM HG at 60°F):	480 (Ammonia)	WEIGHT PERCENT VOLATILE:	43 (Mostly Water)
VAPOR DENSITY (air=1):	0.6 (Ammonia)	WEIGHT % VOC:	<0.5% Calculated
SOLUBILITY IN WATER:	Disperses in water	pH:	9.5-10.5
APPEARANCE AND ODOR:	Opaque off-white liquid with ammonia odor	EVAPORATION RATE (n-Butyl Acetate=100):	Slower than n-Butyl Acetate

IN ACCORDANCE WITH GOOD PRACTICES OF PERSONAL CLEANLINESS AND HYGIENE HANDLE WITH DUE CARE AND AVOID ANY UNNECESSARY CONTACT WITH THIS PRODUCT. THIS INFORMATION IS SUPPLIED TO YOU UNDER THE OSHA "RIGHT TO KNOW" REGULATION 29 CFR 1910.1200. THE INFORMATION IS BELIEVED TO BE TRUE AND ACCURATE. NO WARRANTY EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THIS DATA, THE HAZARDS THAT MAY BE ASSOCIATED WITH ITS USE OR THE RESULTS TO BE OBTAINED FROM ITS USE, IS MADE.

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IV. REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: Keep from freezing. Heating product above 140°F will destabilize the latex

INCOMPATIBILITY (material to avoid): Heavy metals (Copper, Aluminum, etc.), salts and acids will destabilize latex. Materials that react with water.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of nitrogen, smoke, soot, oxides of carbon, and unknown toxic fumes.

HAZARDOUS POLYMERIZATION: Will not occur.

V. FIRE & EXPLOSION HAZARD DATA

FLASH POINT (°F): >200°F **FLAMMABLE LIMITS:** N/A **LEL:** N/A **UEL:** N/A

EXTINGUISHING MEDIA: Water, foam, carbon dioxide

SPECIAL FIRE FIGHTING PROCEDURES: Fire fighters should wear NIOSH/MSHA approved positive pressure self-contained respiratory equipment. Avoid breathing smoke, fumes, and decomposition products.

UNUSUAL FIRE & EXPLOSION HAZARDS: Decomposition can produce hazardous chemicals. Ammonia vapor may be present. Product as supplied will not burn, but may splatter until all water is driven off. Residual solids may burn giving off soot, styrene monomer, and other toxic fumes.

VI. HEALTH HAZARD DATA

A. LISTED CARCINOGENICITY: **IARC -** No **NTP -** No **OSHA -** No

B. EFFECTS OF OVEREXPOSURE

EYE: No adverse effects are expected following incidental contact with ocular tissues. Liquid splashed in eyes can cause irritation and pain.

SKIN: No adverse effects are expected following incidental contact with the skin. Prolonged or repeated skin contact may produce a rash or redness.

INHALATION: Under normal conditions of use, no adverse effects are expected. Ammonia vapors present can cause dizziness, nausea, headache and respiratory irritation.

INGESTION: Not expected a potential route of exposure. Ingestion would cause gastrointestinal upset and discomfort.

KNOWN EFFECTS ON OTHER ILLNESS: Not Known

C. EMERGENCY AND FIRST AID PROCEDURES

EYE: Flush eyes with water for at least 15 minutes. If irritation is present or develops, seek medical attention.

SKIN: Skin contact does not normally require medical attention. Wash the affected area with plenty of water to remove any product. If irritation is present or develops seek medical attention.

INHALATION: Move person to fresh air. Exposure by inhalation does not normally produce adverse effects. If problems persist seek medical attention.

INGESTION: Seek medical attention. Note to doctor: Treat symptoms.

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D. PROTECTIVE EQUIPMENT

Eye wash stations and safety showers in the workplace are recommended. Smoking and eating in areas where this product is used should be strictly prohibited. Wash thoroughly after handling, especially before eating, smoking or using the toilet facilities.

EYE: Special protection is not normally required. The use of safety glasses with side shields or goggles (ANSI Z87.1 or equivalent) is recommended as good industrial practice.

SKIN: Skin exposure should be minimized. The use of protective gloves is recommended as good industrial practice.

VENTILATION: Maintain good mechanical exhaust. Local exhaust ventilation with a minimum capture velocity of 100 FPM at source point should be suitable to keep vapor concentrations below the TLV.

RESPIRATORY PROTECTION: Not usually necessary with adequate ventilation.

OTHER PROTECTIVE EQUIPMENT: Safety shower should be readily available. Use face shields, impermeable aprons and respiratory protection if conditions warrant.

VII. PRECAUTIONS FOR SAFE HANDLING AND STORAGE

A. STEPS TO BE TAKEN IN CASE OF SPILL OR LEAK

Small spills can be wiped up with a wet cloth. For larger spills restrict area to unnecessary personnel. Stop discharge and contain spill with dikes or barriers. Floor may become slippery. Scoop up spill and collect in a drum. Aluminum sulfate may be added to coagulate spill for easier clean up. Place absorbed material into waste containers.

B. HANDLING AND STORAGE:

Do not allow to freeze. Avoid inhalation of ammonia vapors. Store drums in well ventilated and temperature controlled area. Maintain product temperature between 40-90°F

VIII. OTHER DISPOSAL INFORMATION

Coagulate and dispose of as solid waste in accordance with local, state and federal legislation.

Waste Disposal: Disposal of this product must comply with all applicable federal, state, and local regulations.

Container Disposal: Disposal of containers should comply with all federal, state and local regulations.

IX. SPECIAL PRECAUTIONS

A FDA medical alert has been issued (March 29, 1992: MDA (91-1) concerning "allergic reaction to latex", i.e. medical devices. This alert states that medical devices manufactured from natural latex rubber have been reported to cause allergic reactions, including anaphylaxis, in some individuals.