

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 # 22914C

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NORTHWEST COATINGS CORP.
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OAK CREEK, WI 53154 USA
PHONE: 414-762-3330

EMERGENCY PHONE NUMBER: Chemtrec 800-424-9300
PREPARED BY: Charles Wasserman
PREPARATION DATE: July 23, 2003
REVISION DATE: N/A

I. PRODUCT IDENTIFICATION

PRODUCT: 22914C

HMIS CODE

TRADE NAME: Co-Reactant for Laminating Adhesive

HEALTH: 2

FLAMMABILITY: 1

CHEMICAL NAME: Amine Solution

REACTIVITY: 0

PERSONAL PROTECTION: C

CHEMICAL FAMILY: Proprietary

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>

III. PHYSICAL PROPERTIES

BOILING POINT (water 212°F): 210–212°F **SPECIFIC GRAVITY:** 1.05

VAPOR PRESSURE (MM HG at 70°F): 18.52 **WEIGHT PERCENT VOLATILE:** 68% (Mostly Water)

VAPOR DENSITY (air=1): Equal to water **WEIGHT % VOC:** <1% (Calculated)

SOLUBILITY IN WATER: Dispersible in water **pH:** 11.1

APPEARANCE AND ODOR: Thick white liquid with characteristic amine 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.

REF: AWI-011

FORM 503
REVISION 0

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IV. REACTIVITY DATA

STABILITY: This product is stable at ambient temperatures. Coagulation may occur following freezing, thawing or boiling.

CONDITIONS TO AVOID: None known

INCOMPATIBILITY (material to avoid): Strong oxidizers, acids and bases. Materials that react with water

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition is insignificant if kept below 260°C for a short period of time. Oxides of carbon may be released in a fire. Amines and other toxic fumes, such as Nox may be released at elevated temperatures.

HAZARDOUS POLYMERIZATION: Will not occur.

V. FIRE & EXPLOSION HAZARD DATA

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

EXTINGUISHING MEDIA: Use carbon dioxide or water spray.

SPECIAL FIRE FIGHTING PROCEDURES: Wear a NIOSH approved self-contained breathing apparatus. Wear appropriate personal protective equipment.

UNUSUAL FIRE & EXPLOSION HAZARDS: Product will not burn as sold. Product may splatter when heated to boiling.

VI. HEALTH HAZARD DATA

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

This product contains no carcinogens in concentrations of 0.1 percent or greater.

B. EFFECTS OF OVEREXPOSURE Note to physicians. Treat symptoms of exposure.

EYE: Product is severely irritating to the eyes.

SKIN: Prolonged or repeated skin contact will cause irritation.

INHALATION: Vapors and/or aerosols that may form at elevated temperatures may be irritating to eyes and respiratory tract.

INGESTION: No hazard expected in normal industrial use. Ingestion is not a likely route of exposure.

KNOWN EFFECTS ON OTHER ILLNESS: None Known

C. EMERGENCY AND FIRST AID PROCEDURES

EYE: First, rinse with plenty of water for several minutes (remove contact lenses if easily possible), then seek medical attention.

SKIN: Immediately, wash with soap and water. Contact a physician if irritation develops or persists.

INHALATION: Remove to fresh air. If breathing remains difficult seek medical attention.

INGESTION: If swallowed, call a physician immediately. Do not induce vomiting, unless directed by a physician. If conscious, give victim a glass of water. Never give anything by mouth to an unconscious person.

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D. PROTECTIVE EQUIPMENT

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

EYE: The use of safety glasses (ANSI Z87.1 or equivalent) is recommended as good industrial practice. Wear splash proof safety eye protection if splashing or misting of product may occur.

SKIN: Where skin contact can occur, wear impervious gloves.

VENTILATION: Use local exhaust to contain vapors and mists.

RESPIRATORY PROTECTION: Usually not required if ventilation is adequate. Follow requirements for respiratory protection in OSHA 1910.134.

OTHER PROTECTIVE EQUIPMENT: Eye wash facility and a safety shower should be available.

VII. PRECAUTIONS FOR SAFE HANDLING AND STORAGE

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

Use absorbent to dike spill. Keep unnecessary people away. Floor may become slippery. Stop discharge if it is safe to do so. Absorb liquid into an inert material and shovel mixture into an approved container. If spill has dried scrape up and place in an approved container.

B. HANDLING AND STORAGE:

Do not freeze. Drain emptied containers completely. Empty containers may contain product residue; follow MSDS and label warnings even after they have been emptied. Store product in closed original containers at temperatures between 40-90°F.

VIII. OTHER DISPOSAL INFORMATION

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.