



MATERIAL SAFETY DATA SHEET

ProLong II
5 January 2007

1. Product and Company Information

Product Name: Rantec® ProLong II

Manufacturer/Supplier: Rantec Corporation
Address: 17 Kukuchka Lane
Ranchester, WY 82839

Phone Number: (307) 655-9565
Fax Number: (307) 655-9528
e-mail: rantec@ranteccorp.com



Emergency Phone (24 hours): CHEMTREC 1-800-424-9300

2. Composition / Information on Ingredients

Ingredient	CAS Number	% Weight	Exposure Limits
1,3-Dichloro-2-propanol	96-23-1	<1.5	PEL-TWA Not established TLV-TWA Not established

Chemical Family Proprietary Resin
Chemical Formula Proprietary

3. Hazards Identification

OSHA Hazardous Material: Yes

OSHA Hazard Categories:

1. Carcinogen – NO
2. Corrosive – NO
3. Highly Toxic – NO
4. Irritant – Yes
5. Sensitizer – Yes
6. Toxic – NO
7. Target Organ Effect Lung and Cutaneous -- Yes

Emergency Overview:

Clear, amber to pink liquid with a slight amine odor.

This product is not considered to be hazardous under normal conditions of use according to the criteria of the OSHA Hazard Communication Standard (HCS).

Potential Health Effects:

Eye contact This product is not expected to be an eye irritant. However, prolonged or repeated overexposure to vapors released from hot or curing product may cause mild to moderate eye irritation. Symptoms may include redness, watering, itching, or a burning sensation in the eyes.

Skin Contact Not expected to be a primary skin irritant or toxic by skin contact.



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3. Hazards Identification (continued)

Inhalation This product is not expected to be toxic by inhalation. However, prolonged inhalation of vapors released from hot or curing product may be irritating to the nose, throat, and lungs. Symptoms may include coughing or shortness of breath, nausea, headaches, or dizziness.

Ingestion Not expected to be orally toxic. In normal industrial use, ingestion is not considered a probable route of exposure.

Chronic This product contains 1,3-dichloro-2-propanol (1,3-DCP), a component that may be carcinogenic based on animal studies. Overexposure to 1,3-DCP may cause damage to the kidneys, liver, or thyroid gland. 1,3-DCP is NOT listed as a human carcinogen by IARC, NTP, OSHA, or ACGIH. This product is NOT expected to result in a chronic or carcinogenic threat to humans based on a health risk assessment utilizing reasonable, yet conservative assumptions.

See Section 11 Toxicological Information for additional information.

4. First Aid Measures

Eye contact immediately rinse with water. Remove contact lenses. Hold eyelids apart and flush eyes with water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact Wash skin thoroughly with soap and water. Get medical attention if irritation persists. Launder contaminated clothing before reuse.

Inhalation Remove to fresh air. Rest in half-upright position. Get medical attention if necessary.

Ingestion If conscious, immediately rinse mouth and give large quantities of water. Get immediate medical attention. Never give anything by mouth to an unconscious person.

5. Firefighting Measures

Fire Hazards: Not classified as flammable or combustible. Organic solids may burn, but only after removal of water and exposure to intense heat and flame.

Flashpoint: None to boiling.[Pensky-Martens C.C.]

Flammable Limits: Not Applicable.

Extinguishing Media: Use water spray, dry chemical, or carbon dioxide.

Special Fire Fighting Procedures: Use self contained breathing apparatus and protection for skin.

Combustion Products: Irritating fumes and toxic gases.

Special Hazards: Water runoff can cause environmental damage. Dike and collect water used to fight fire.

6: Accidental Release Measures

Spill and Leak Procedures: Stop leak if you can do so without risk.
Use PPE appropriate to spill size and risk of exposure.
Confine spillage and absorb on sand, sawdust, or other available solids.
Uncontaminated spilled material may be reused.
Retain all contaminated water for removal and treatment. DO NOT flush to sewer.



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7. Handling and Storage

Handling: Avoid eye contact. Avoid repeated or prolonged skin contact. Use proper protective equipment. (see Section 8)
Avoid breathing mist or vapor. Use only in a well ventilated area.
Unvented containers may develop pressure. Open with caution.
Wash thoroughly after handling.
Eyewash stations and safety showers should be easily accessible to areas where product is used.

Storage: Keep containers closed when not in use.
For maximum storage life, store at temperatures below 90°F (32.2°C).
Protect from freezing.
Store away from incompatible materials. (see Section 10)

8. Exposure Controls / Personal Protection

Personal Protective Eyes and Face: Safety glasses or chemical safety goggles. Equipment (PPE)
Skin: Rubber or neoprene gloves.
Respiratory: None required under normal conditions of use.

Engineering Controls: No special requirements. If user operations generate dust, fumes, or mist, use ventilation as necessary to keep exposure to airborne contaminants below the exposure limits.

9. Physical and Chemical Properties

pH (as is) approximately 3.5	Boiling Point approximately 212°F (100°C)
Melting Point not applicable	Specific Gravity (25°C) approximately 1.07
Vapor Pressure (mm Hg) not available	Vapor Density not available
% Volatile (w/w) approximately 75%	Solubility in Water soluble

10. Stability and Reactivity

Chemical Stability This product is stable under the recommended storage conditions.

Conditions to Avoid Avoid storage in unagitated bulk tanks above the recommended storage temperature. (see Section 7)

Incompatibility with Other Materials Avoid contact or contamination with strong alkalis.

Hazardous Decomposition Products Not available.

Hazardous Polymerization Hazardous polymerization will not occur.

Special Remarks Elevated storage temperatures will shorten product storage life.

11. Toxicological Information

Eye A similar product was not an eye irritant when tested as described in 29 CFR 1910.1200, Appendix A (OSHA Hazard Communication Standard).

Dermal A similar product was not a primary skin irritant and was not dermally toxic when tested as described in 29 CFR 1910.1200, Appendix A (OSHA HCS).



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11. Toxicological Information - continued

Inhalation A similar product was not toxic by inhalation when tested as described in 29 CFR 1910.1200, Appendix A (OSHA HCS).

Oral A similar product was not orally toxic when tested as described in 29 CFR 1910.1200, Appendix A (OSHA HCS).

Chronic Effects

Carcinogenicity This product contains 1,3-dichloro-2-propanol (1,3-DCP), a component that may be carcinogenic based on animal studies. Overexposure to 1,3-DCP may cause damage to the kidneys, liver, or thyroid gland. 1,3-DCP is NOT listed as a human carcinogen by IARC, NTP, OSHA, or ACGIH. This product is NOT expected to result in a chronic or carcinogenic threat to humans based on a health risk assessment utilizing reasonable, yet conservative assumptions.

12. Ecological Information

Ecotoxicity This product is biodegradable under aerobic and anaerobic conditions.

13. Disposal Considerations

Waste Disposal Dispose of absorbed material in accordance with all federal, state, and local regulations.

Dispose of contaminated water in a contained waste treatment system.

RCRA The requirements of the federal hazardous waste regulations do not apply unless the waste fails to pass any of EPA's four tests for determining hazardous wastes. Note: If this product is altered, it is the responsibility of the user to determine whether the material meets the criteria for hazardous waste at the time of disposal.

14. Transport Information

U.S. Department of Transportation (DOT)

Proper Shipping Name: Not Regulated

Hazard Class: N/A

UN/NA Code: N/A

Packing Group: N/A

Labels Required: N/A

IMDG CODE

Proper Shipping Name: NOT REGULATED

Hazard Class: N/A

UN/NA Code: N/A

Packaging Group: N/A

Labels Required: N/A

15. Regulatory Information

U.S. Federal Regulations

The following regulations may have reporting requirements for the components listed. See "Key to Abbreviations and Acronyms" under Section 16 for definitions.



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15. Regulatory Information - continued

CERCLA / SARA Emergency Reporting

Spills or releases of this material do not currently trigger the emergency release reporting requirements under CERCLA or SARA Title III. State or local reporting requirements may differ from federal requirements. Consult counsel for further guidance on your responsibilities under these laws.

SARA Title III Section 313 Supplier Notification

None, not applicable.

CWA Section 307

The following chemicals are listed under Section 307 as toxic pollutants not eligible for waiver from best available technology economically achievable (SAT) effluent limitations.

Not applicable.

CWA Section 311

The following chemicals are listed under Section 311 as hazardous substances requiring the submission of a National Pollutant Discharge Elimination System (NPDES) permit application to EPA.

Not applicable.

TSCA

All components of this product are listed on the Toxic Substances Control Act Inventory or are excluded from listing requirements.

California Proposition 65: X Tack L is not a chemical known to the State of California to cause cancer or reproductive toxicity under the "Safe Drinking Water and Toxic Enforcement Act of 1986".

Canadian Regulations

Canadian Environmental Protection Act (CEPA)

All components of this product are listed on the Canadian Domestic Substances List (DSL) or otherwise comply with CEPA new substance notification requirements.

Workplace Hazardous Materials Information System (WHMIS)

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulation (CPR) as follows:

WHMIS CLASS: D-2A

National Pollutant Release Inventory (NPRI)

This product contains the following chemicals subject to the reporting requirements of the CEPA subsection 16(1), National Pollutant Release Inventory.



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Not applicable.

16. Other Information

FDA Status

21 CFR 176.170(a) May be used as a component of paper and paperboard in contact with aqueous and fatty foods.

21 CFR 176.180 May be used as a component of paper and paperboard in contact with dry foods.
Limitation: Resin not to exceed 1.5% by weight of the paper or paperboard.

Other Special Considerations

Although this product is not considered to be hazardous under normal conditions of use, continue to follow standard industrial hygiene practices. Chemical exposure should always be kept to a minimum.

NFPA Hazard Ratings:

Health: 1 Flammability: 0 Reactivity: 0

HMIS Hazard Ratings:

Health: 1 Flammability: 0 Reactivity: 0

Abbreviations:

ACGIH	American Conference of Governmental Industrial Hygienists
ANSI	American National Standards Institute
CAS	Chemical Abstracts Service
CDC	Centers for Disease Control and Prevention
CFR	The Code of Federal Regulations
EEC	European Economic Community
EINECS	European Inventory of Existing Commercial Chemical Substances
EPA	United States Environmental Protection Agency
FDA	United States Food and Drug Administration
HMIS	Hazardous Materials Identification System
IARC	International Agency for Research on Cancer
IMDG	International Maritime Dangerous Goods
LD50	Lethal Dose expected to cause death in 50% of the test animals
MITI	Ministry of International Trade and Industry
NFPA	National Fire Protection Association
NIOSH	CDC - National Institute for Occupational Safety
NTP	National Toxicological Program
OSHA	U.S. Department of Labor, Occupational safety and health administration
PEL	OSHA - permissible exposure limit
TLV	ACGIH - threshold limit value
TWA	Time weighted average
UN/NA	United Nations / North America
US	United States
WHMIS	Workplace Hazardous Materials Information System



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NOTICE:

Information contained in the company's technical literature is believed to be accurate. It is a condition to any sale that buyer conduct an examination of the products under its own operating conditions within a reasonable time after the products have been delivered to buyer and determined to its own satisfaction that the products delivered hereunder are of acceptable quality and are suitable for buyer's contemplated use. The company makes no representation or warranty of any kind, express or implied, with respect to its products or to the use of its products by the buyer in combination with other substances, whether as to merchantability, fitness for a particular purpose, or any other matter. Statements concerning the possible use of the company's products are not intended as recommendations to use the company's products in the infringement of any patent.

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