



MATERIAL SAFETY DATA SHEET

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

079 PM

Adhesion Modifier

North America:
NOR-COTE INTERNATIONAL, INC.
506 Lafayette Avenue
Crawfordsville, Indiana 47933
United States
Phone: 765-362-9180 (day phone)
MSDS Issuer: EHS Department
Emergency Phone:
CHEMTREC (United States)
800-424-9300

Europe:
NOR-COTE INTERNATIONAL LTD.
Unit 8 Warrior Park, Eagle Close
Chandlers Ford Industrial Estate
Eastleigh, Hampshire
SO53 4NF England
Tel: +44 (0) 23 80270542 (day phone)
Emergency Phone:
CHEMTREC (Outside U.S.)
703-527-3887

Asia:
NOR-COTE INTERNATIONAL PTE. LTD.
Blk 4012 Ang Mo Kio Ave 10
#05-08 Techplace 1,
Singapore 569628
Tel: +65 6291-0898 (day phone)

SECTION 2 INGREDIENTS

INGREDIENT	PERCENT BY WEIGHT	CAS#	EXPOSURE LIMITS	EINECS#
Methacrylate Ester Derivative	>99.5%	Proprietary	Not established	Proprietary

SECTION 3 HAZARDS IDENTIFICATION

ROUTES OF ENTRY: Dermal, Inhalation, Ingestion

GENERAL HEALTH EFFECTS:

ACUTE:

- **Skin Contact:** May cause mild skin irritation. Draize skin irritation test = 3.25
- **Eye Contact:** May cause eye irritation.
- **Inhalation:** Low volatility makes vapor inhalation unlikely. Vapors can be irritating.
- **Ingestion:** May be slightly toxic.

CHRONIC: There are no known chronic hazards.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Not anticipated to aggravate medical conditions, however individuals with pre-existing health disorders should consult their physician before using this product.

HMIS ® RATING: Health - 1 Flammability - 1 Physical Hazard - 1 PPE - B

EC HAZARD SYMBOLS: Not available

EC RISK/SAFETY PHRASES: Not available

SECTION 4 FIRST AID MEASURES

SKIN CONTACT: Remove contaminated clothing and wash contact area with water and soap for at least 15 minutes. Particular attention should be paid to hair, nose, ears, and other areas not easily cleaned.

EYE CONTACT: Flush the eye and under lids with warm water for minimum of 15 minutes. Remove any contact lenses during the flushing. Seek immediate medical attention.

INHALATION: Move subject to fresh air and keep warm. If subject is not breathing, administer artificial respiration and get immediate medical attention.

INGESTION: If swallowed, seek medical attention.

SECTION 5 FIRE FIGHTING MEASURES

FLASHPOINT: >212°F (100°C)

METHOD: Setaflash

FLAMMABLE/EXPLOSIVE LIMITS (Volume % in air): Not established

AUTO-IGNITION TEMPERATURE: Not established

EXTINGUISHING MEDIA: Use dry chemical or carbon dioxide (CO₂) to extinguish small fires. Use aqueous foam or water spray for large fires. Water may be used to cool fire-exposed containers.

FIRE FIGHTING MEASURES: Evacuate area of all non-emergency personnel. Fire fighters must wear full emergency equipment with self-contained breathing apparatus (SCBA). Thoroughly decontaminate fire fighting equipment including all fire fighting apparel after the incident.



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SECTION 6 ACCIDENTAL RELEASE MEASURES

Remove all sources of ignition. Using appropriate personal protective equipment and non-sparking tools, contain the spill. Cover the liquid with inert absorbent. Scoop all contaminated material into drums for proper disposal. For large spills, dike the area to prevent runoff from contacting public drains, sewers, or streams.

SECTION 7 HANDLING AND STORAGE

Store at temperatures below 100° F. Avoid ignition sources. Keep containers closed. Dissolved air is required for inhibitor to function. To prevent loss of inhibitor, do not blanket or sparge with nitrogen. Store samples in opaque or amber glass containers. Material may solidify under low temperature storage conditions. Solidified material may be safely melted by placing the container in a water bath or heated room no warmer than 120F for a period of 24 hours or less. Steam or electrical heating systems, which generate localized hot spots, should never be used to melt this product. Incinerate all contaminated leather goods including shoes. Wash contaminated clothing thoroughly before reuse. Wash skin thoroughly with soap and water after handling. Solvents should never be used to clean hands or skin because they increase the penetration of the material into the skin. Store in a cool dry area out of direct sunlight.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

VENTILATION: Local exhaust ventilation is recommended to control exposure which may result from operations generating aerosols and hot operations generating vapors. Mechanical exhaust is not recommended to control exposure for operations generating aerosols or vapors.

RESPIRATORY PROTECTION: A respiratory protection program that meets OSHA 1910.134 must be followed whenever workplace conditions warrant a respirator's use.

HAND PROTECTION: Use impervious gloves such as nitrile or neoprene to minimize contact. Wash all affected areas at the completion of handling. Replace gloves immediately if punctured or torn or when a change of appearance (color, elasticity, shape) occurs.

EYE PROTECTION: Use chemical splash goggles or safety glasses to prevent eye contact. Eyewash availability is also recommended.

SKIN PROTECTION: Protective or disposable outer clothing is recommended.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Light colored with acrylate odor

BOILING POINT (°F): Not available

VAPOR PRESSURE: <0.1 mmHg

PHYSICAL STATE: Liquid

SPECIFIC GRAVITY: 1.29

SOLUBILITY IN WATER: Practically insoluble

SECTION 10 REACTIVITY / STABILITY HAZARD DATA

STABILITY: This material is stable when used under normal conditions.

HAZARDOUS POLYMERIZATION: Hazardous polymerization may occur. Uncontrolled polymerization may cause rapid evolution of heat and increase in pressure that could result in violent rupture of sealed storage vessels or containers.

CONDITIONS TO AVOID: Storage > 100F, exposure to light, loss of dissolved air, loss of polymerization inhibitor, contamination with incompatible materials.

INCOMPATIBILITY: Polymerization initiators, including peroxides, strong oxidizing agents, copper copper alloys, carbon steel, iron, rust, and strong bases.

HAZARDOUS DECOMPOSITION PRODUCTS: Hazardous decomposition products may include oxides of carbon and phosphorus, various hydrocarbon fragments.

SECTION 11 TOXICOLOGICAL INFORMATION

TOXICOLOGICAL DATA: No data available

LD50 – Not determined **LC50 –** Not determined

REPRODUCTIVE TOXICITY: Not determined

TERATOGENICITY: Not determined

MUTAGENICITY: Not determined

CARCINOGENICITY: **IARC?** No

NTP? No

OSHA? No



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SECTION 12 ECOLOGICAL INFORMATION

No determination has been made on ecological impact. However, it is highly recommended to prevent contamination of the environment with this product, i.e. soil, landfills, drains, sewers, surface waters, waterways, watersheds, etc.

SECTION 13 DISPOSAL CONSIDERATIONS

This product is not considered a hazardous waste under Federal Hazardous Waste Regulation 21 CFR 261. Dispose of this product in accordance with all applicable local laws and regulations.

SECTION 14 TRANSPORTATION INFORMATION

This product, as supplied, is not regulated nor classified as a hazardous material/dangerous good by United States Department of Transportation (DOT). Transport this product in accordance with all applicable laws and regulations.

SECTION 15 REGULATORY INFORMATION

INTERNATIONAL REGULATIONS

Australian Inventory Status: This product or its components are currently listed in the Australian Inventory of Chemical Substances (AICS).

Canadian Inventory Status: This product or its components are currently listed on the Canadian Domestic Substance List (DSL).

Canadian WHMIS: This product is not a WHMIS controlled substance.

European Inventory Status: This product or its components are listed on the European Inventory of Existing Commercial Substances (EINECS)

Japanese Inventory Status: of Existing and New Chemical Substances (ENCS): This product or its components are listed on the Ministry of International Trade and Industry (MITI) Existing and New Chemical Substances (ENCS) Inventory.

Korean Inventory Status: This product or its components are listed on the Korean Existing Chemicals List (ECL).

U.S. FEDERAL REGULATIONS

Clean Air Act (CAA): This product and its components are not regulated under the CAA.

Clean Water Act (CWA): This product and its components are not regulated under the CWA.

Coalition of Northeastern Governors (CONEG): This product meets the requirements of CONEG.

Comprehensive, Environmental Response, Compensation and Liability Act (CERCLA) of 1980: This product is not regulated for notification of the release of hazardous quantities greater than the reportable quantities under 40 CFR 302.4.

Food and Drug Administration (FDA) Food Packaging Status: This product has not been cleared by the FDA for use in food packaging and/or other applications as an indirect food additive.

Occupational Safety and Health Act (OSHA): This product does not contain components that are classified as hazardous according to 29 CFR 1910.1200.

Resource Conservation and Recovery Act (RCRA): This product is not regulated as a hazardous substance under 40 CFR 261.

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III:

Section 302 – Extremely Hazardous Substances (EHS): This product is not regulated as an EHS.

Section 311/312 – Hazard Communication Standard (HCS): Immediate health hazard (acute) Delayed health hazard (chronic) Reactive hazard.

Section 313 – Toxic Chemical List (TCL): This product is not regulated under the Toxic Chemical Release Reporting requirements under 40 CFR 372.

Toxic Substances Control Act (TSCA) Section 8(b) – Inventory Status: All chemicals in this product are TSCA listed.

STATE REGULATIONS

California Proposition 65 Right To Know (RTK): This product is not regulated under CA Prop 65.

New Jersey RTK: This product is not regulated under the New Jersey RTK Act.



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SECTION 16 OTHER INFORMATION

HMIS® ratings are a registered trade and service mark of the National Paint and Coatings Association with the following scale:

* = Chronic health effect	PPE Index
4 = Severe Hazard	A = Safety Glasses
3 = Serious Hazard	B = Safety Glasses and Gloves
2 = Moderate Hazard	C = Safety Glasses, Gloves and Protective Apron
1 = Slight Hazard	D = Face Shield, Gloves and Protective Apron
0 = Minimal Hazard	E = Safety Glasses, Gloves and Respirator

Definitions

TWA – Time Weighted Average
TLV – Threshold Limit Value
STEL – Short Term Exposure Limit
CAS# - Chemical Abstract Service Number
NTP – National Toxicology Program
PEL – Permissible Exposure Limit
IARC - International Agency for Research on Cancer
ANSI – American National Standards Institute

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Disclaimer: To the best of our knowledge, the product information contained herein is based upon data believed to be reliable, however Nor-Cote makes no warranty and disclaims any liability whatsoever for its accuracy or completeness. Since the actual use of the product is beyond our control, no guarantee expressed or implied, is made by Nor-Cote as to the effects of such uses nor does Nor-Cote assume liability arising out of the use of this product by others. It remains the responsibility of the user to ensure that the use of the product herein is in accordance with all applicable laws and regulations.