



SAFETY DATA SHEET

Product: MARC 286 TRU-BOND

Form R04132

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: MARC 286 TRU-BOND

SDS DATE: 10/20/16

SUPPLIER: Mid-American Research Chemical Corp. ADDRESS: P. O. Box 927 Columbus, NE 68602-0927
PHONE: 402-564-7104 FAX: 402-563-1290
EMERGENCY PHONE: InfoTrac 1-800-535-5053
E-MAIL: marc@marc1.com WEBSITE: www.marc1.com

RECOMMENDED USE: Bonding, Coating.

PREPARED BY: MARC

SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION

OSHA Regulatory Status:

This chemical is not considered hazardous by the 2013 OSHA Hazard Communication Standard (29 CFR 1910.122)

Acute toxicity - Oral	Not classified
Acute toxicity - Dermal	Not classified

LABEL ELEMENTS

EMERGENCY OVERVIEW

APPEARANCE: Opaque PHYSICAL STATE: Liquid ODOR: Typical Acrylic Polymer

PRECAUTIONARY STATEMENTS:

RESPONSE:

Specific Treatment (See Section 4 on the SDS)

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

POTENTIAL HEALTH EFFECTS: See Section 11 for more information.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NO.	WEIGHT-%	TRADE SECRET
Styrene-acrylate copolymer	Proprietary	7%-20%	*
2-(2-methoxypropoxy) propanol	34590-94-8	0.5% - 3%	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.



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SECTION 4: FIRST AID MEASURES

EYES: Rinse thoroughly with plenty of water for at least 15 minutes, lifting and lowering eyelids. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, consult a physician.

SKIN: Wash off immediately with plenty of soap and water for 15 minutes. If irritation persists, seek medical advice.

INGESTION: Clean mouth with water and drink afterwards plenty of water. Seek medical attention immediately.

INHALATION: Immediately move victim to fresh air. Seek medical attention immediately.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

SYMPTOMS: Any additional important symptoms and effects are described in Section 11: Toxicology Information.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

NOTES TO PHYSICIANS: Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

UNSUITABLE EXTINGUISHING MEDIA: Caution: Use of water spray when fighting fire may be inefficient.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL: No information available.

**PROTECTIVE EQUIPMENT AND
PRECAUTIONS FOR FIREFIGHTERS:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

HAZARDOUS DECOMPOSITION PRODUCTS: None known based on information supplied.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:

PERSONAL PRECAUTIONS: Ensure adequate ventilation, especially in confined areas.

ENVIRONMENTAL PRECAUTIONS: See Section 12 for additional Ecological information.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP:

METHODS FOR CONTAINMENT: Prevent further leakage or spillage if safe to do so.

METHODS FOR CLEAN-UP: Pick up and transfer to properly labeled containers.



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SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

ADVICE ON SAFE HANDLING: Handle in accordance with good industrial hygiene and safety practice.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

STORAGE CONDITIONS: Keep containers tightly closed in a dry, cool and well-ventilated place.

OTHER PRECAUTIONS: **KEEP AWAY FROM CHILDREN!**

INCOMPATIBLE MATERIALS: None known based on information supplied.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS

EXPOSURE GUIDELINES: Exposure guidelines noted for ingredient(s).

CHEMICAL NAME	ACGIH TLV	OSHA PEL
2-(2-methoxypropoxy) propanol 34590-94-8	STEL: 150 ppm TWA: 100 ppm	TWA: 100 ppm TWA: 600 mg/m ³
Ammonia 7664-41-7	STEL: 35 ppm TWA: 25 ppm	TWA: 50 ppm TWA: 35 mg/m ³

APPROPRIATE ENGINEERING CONTROLS:

ENGINEERING CONTROLS: Showers, Eyewash stations & Ventilation systems.

INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT:

EYE/FACE PROTECTION: Wear safety glasses with side shields (or goggles).

SKIN AND BODY PROTECTION: No special technical protective measures are necessary.

RESPIRATORY PROTECTION: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

OTHER PROTECTIVE EQUIPMENT: Eye wash stations and showers.

WORK HYGIENIC PRACTICES: Handle in accordance with good industrial hygiene and safety practice.



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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:

PHYSICAL STATE: Liquid
APPEARANCE-COLOR: Opaque
Off-White
ODOR: Typical Acrylic Polymer
ODOR THRESHOLD: No information available.

<u>PROPERTY</u>	<u>VALUES</u>	<u>REMARKS * METHOD</u>
pH:	8.0-9.0	
SPECIFIC GRAVITY:	1.02	
VISCOSITY:	<100 cP @ 25°C	
MELTING POINT/FREEZING POINT:	No information available.	
FLASH POINT:	Above 200°F	
BOILING POINT/BOILING RANGE:	>=212°F (at 760 mm Hg)	
EVAPORATION RATE:	No information available.	
FLAMMABILITY (Solid, Gas):		
FLAMMABILITY LIMITS IN AIR		
UPPER FLAMMABILITY LIMITS:	No information available.	
LOWER FLAMMABILITY LIMITS:	No information available.	
VAPOR PRESSURE (mmHg):	No information available.	
VAPOR DENSITY (AIR = 1):	No information available.	
WATER SOLUBILITY:	Complete.	
PARTITION COEFFICIENT:	No information available.	
AUTO-IGNITION TEMPERATURE:	No information available.	
DECOMPOSITION TEMPERATURE:	No information available.	

OTHER INFORMATION:

DENSITY Lbs/Gal: 8.67
VOC CONTENT (%): 2

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: No data available.

CHEMICAL STABILITY: Stable under recommended storage conditions.

POSSIBILITY OF HAZARDOUS REACTIONS: None under normal processing.

CONDITIONS TO AVOID: Extremes of temperature and direct sunlight.

INCOMPATIBILITY (MATERIAL TO AVOID): None known based on information supplied.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: None known based on information supplied.

HAZARDOUS POLYMERIZATION: No **CONDITIONS TO AVOID (POLYMERIZATION):** None known.



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SECTION 11: TOXICOLOGICAL INFORMATION

INFORMATION ON LIKELY ROUTES OF EXPOSURE:

EYES: No data available. Avoid contact with eyes.

SKIN: No data available. Avoid contact with skin.

INGESTION: No data available. Not an expected route of exposure. Do not taste or swallow.

INHALATION: No data available. Not an expected route of exposure. Avoid breathing vapors or mists.

COMPONENT INFORMATION:

CHEMICAL NAME	ORAL LD50	DERMAL LD50	INHALATION LC50
2-(2-methoxypropoxy) propanol 34590-94-8	= 5230 mg/kg (Rat)	= 9500 mg/kg (Rabbit)	-

INFORMATION ON TOXICOLOGICAL EFFECTS

SYMPTOMS: No information available.

DELAYED AND IMMEDIATE EFFECTS AS WELL AS CHRONIC EFFECTS FROM SHORT AND LONG-TERM EXPOSURE:

SENSITIZATION: No information available.

GERM CELL MUTAGENICITY: No information available.

CARCINOGENICITY: No information available.

REPRODUCTIVE TOXICITY: No information available.

STOT – SINGLE EXPOSURE: No information available.

STOT – REPEATED EXPOSURE: No information available.

TARGET ORGAN EFFECTS: Central nervous system, EYES, Respiratory system.

ASPIRATION HAZARD: No information available.

NUMERICAL MEASURES OF TOXICITY – PRODUCT INFORMATION

UNKNOWN ACUTE TOXICITY: 0.11999% of the mixture consists of ingredient(s) of unknown toxicity.



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SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY:

CHEMICAL NAME	ALGAE/AQUATIC PLANTS	FISH	CRUSTACEA
2-(2-methoxypropoxy) propanol 34590-94-8	-	10000: 96 h Pimephales promelas mg/L LC50 static	1919: 48h Daphnia magna mg/L LC50
Nonylphenol Ethoxylate 7664-41-7	-	5: 96h Fish mg/L LC50	-
Ammonia 7664-41-7	-	0.44: 96 h Cyprinus carpio mg/L LC50 0.26 - 4.6: 96 h Lepomis macrochirus mg/L LC50 1.17:96 h Lepomis macrochirus mg/L LC50 flow-through 0.73 - 2.35: 96 h Pimephales promelas mg/L LC50 5.9: 96 h Pimephales promelas mg/L LC50 static 1.5: 96 h Poecilia reticulata mg/L LC50 1.19: 96 h Poecilia reticulata mg/L LC50 static	25.4 48h Daphnia magna mg/L LC50

PERSISTENCE AND DEGRADABILITY: No information available.

BIOACCUMULATION: No information available.

CHEMICAL NAME	PARTITION COEFFICIENT
2-(2-methoxypropoxy) propanol 34590-94-8	-0.064

OTHER ADVERSE EFFECTS: No information available.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:

DISPOSAL OF WASTES: Disposal should be in accordance with applicable regional, national and local laws and regulations.

CONTAMINATED PACKAGING: Do not reuse container.

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION (for ground/non-bulk containers)

CONTAINER SIZES(S): PAILS

PROPER SHIPPING NAME: BUFFING OR POLISHING COMPOUNDS, N.O.I.

HAZARD CLASS: NONE

ID NUMBER: NONE

PACKING GROUP: NONE

LABEL STATEMENT: NONE



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SECTION 15: REGULATORY INFORMATION

INTERNATIONAL INVENTORIES

TSCA: COMPLIES

LEGEND:

TSCA – United States Toxic Substances Control Act Section 8(b) Inventory.

U.S. FEDERAL REGULATIONS

SARA 313: Section 313 of Title III of the superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations. Part 372.

CHEMICAL NAME	SARA 313 – Threshold Values %
2-(2-methoxypropoxy) propanol - 34590-94-8	1.0

SARA 311/312 HAZARD CATEGORIES

ACUTE HEALTH HAZARD: No
CHRONIC HEALTH HAZARD: No
FIRE HAZARD: No
SUDDEN RELEASE OF PRESSURE HAZARD: No
REACTIVE HAZARD: No

CWA (Clean Water Act): None

CERCLA: None

SECTION 16: OTHER INFORMATION

HMIS/NFPA Ratings: Health = 1
Flammability = 0
Reactivity = 0
Other = -
Protection = B

REVISION DATE: 10/20/16

DISCLAIMER: The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.