

MATERIAL SAFETY DATA SHEET

U.S. DEPARTMENT OF LABOR OSHA HAZARD COMMUNICATION STANDARD OMB NO/1218-0072

PRODUCT TRADE NAME: TUFF COAT MP-10
PRODUCT DESCRIPTION: WATER BASED METAL PRIMER

SECTION 1: PRODUCT AND COMPANY INFORMATION

TUFF COAT MANUFACTURING INC., TELEPHONE: (970) 252-9457
MONTROSE, CO 81401 REV: 3-1-2013

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

<u>CHEMICAL NAME(S)</u>	<u>CAS NUMBERS</u>	<u>% WT</u>	<u>TLV-TWA</u>	<u>PEL</u>	<u>Sect 313</u>
AMONIA	1336-21-6	<0.5	25 PPM	50 PPM	Yes
TEXANOL	25265-77-4	1	N/A	N/A	No

ANY INGREDIENTS MARKED BY A DAGGER (+) ARE FOUND IN THE OSHA CARCINOGEN LISTS.
ANY MARKED BY A SINGLE ASTERISK (*) ARE FOUND IN THE PROP 65 LIST - See Sect. 9

HMIS RATING: HEALTH – 1 FLAMMABILITY – 0 REACTIVITY – 0

SECTION 3: HAZARDOUS IDENTIFICATION

EMERGENCY OVERVIEW: A red colored liquid with a mild ammonia odor. It has a flash point of 200°F, and is miscible in water.

POTENTIAL ACUTE HEALTH EFFECTS:

EYES: Contact may cause eye irritation.

SKIN: Contact may cause skin irritation.

INGESTION: May cause vomiting, diarrhea, and depressed respiratory function.

INHALATION: **Harmful if inhaled.** Can cause headache, nausea, irritation of nose, throat and eyes.

POTENTIAL CHRONIC HEALTH EFFECTS: None known.

SECTION 4: FIRST AID MEASURES

EYE CONTACT: Immediately flush eyes with water for at least 15 minutes. Get medical attention if irritation persists.

SKIN CONTACT: Wash thoroughly with soap and water. Get medical attention if irritation develops or persists.

INGESTION: If swallowed, **DO NOT** induce vomiting, unless directed to do so by medical personnel. Contact a physician or poison control center. Never give anything by mouth to an unconscious person.

INHALATION: Remove to fresh air. Get medical attention if symptoms persist. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.

NOTE TO PHYSICIAN: Treatment should be directed at the control of symptoms and the clinical manifestations.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT: 200°F

EXTINGUISHING MEDIA: CO2, Dry Chemical, Foam, Water Fog

FIREFIGHTERS PROTECTION: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Use water spray to cool exposed containers, but only if there is no risk of the runoff contaminating adjacent area.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

SECTION 6: ACCIDENTAL RELEASE/CLEAN UP MEASURES

Stop leak if you can do so without risk of injury. Keep spill out of sewer and open bodies of water. Avoid runoff into storm sewers and ditches that lead to waterways. For small spills: dike and contain with inert material (sand, earth, etc.) and transfer liquid to containers for recovery or disposal. For large spills: dike far ahead of the spill. Absorb remaining liquid with absorbent material. (See Section 8 for information on Exposure Controls and Personal Protective Equipment). Isolate hazard area and deny entry to unauthorized personnel. Stay upwind, keep out of low areas, and ventilate closed spaces before entering.

SECTION 7: HANDLING AND STORAGE

HANDLING: **Keep out of reach of children.** Avoid skin and eye contact. Avoid breathing vapors. Use with adequate ventilation. Keep contents and freshly treated articles away from flame, food, and living plants. Do not contaminate water by cleaning equipment or disposing of waste.

STORAGE: Store at 40°F - 90°F, out of direct sunlight. Keep containers tightly closed and upright when not in use. Protect against physical damage. Avoid breathing vapors and aerosols. Use only with adequate ventilation. Do not eat, drink or smoke in areas of use or storage. Assure that proper personal protective measures are taken when opening or entering confined storage vessels. Store away from caustics and oxidizers. Keep containers from excessive heat or freezing.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

ENGINEERING CONTROLS: Provide sufficient mechanical ventilation (local exhaust or general room dilution) to maintain exposure levels below PEL or TLV. Vapors are heavier than air and will collect in low areas. Check all low areas (basements, sumps, etc.) for vapor before entering.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

EYES: Chemical splash goggles, safety glasses with side shields, or full-face masks are recommended.

SKIN: Chemical resistant gloves (rubber, nitrile, etc.), long sleeved shirts and long pants are recommended to avoid skin contact.

RESPIRATORY: None normally required under anticipated use conditions. A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister should be used in circumstances where airborne concentrations are expected to exceed exposure limits.

PROTECTIVE CLOTHING: Impervious apron and rubber boots to prevent skin contact.

GENERAL HYGIENE PRACTICES: Remove contaminated clothing and wash before reusing. Do not eat, drink, or smoke while handling to avoid accidental ingestion of this material.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE/ODOR: Red liquid, Slight Ammonia	PHYSICAL STATE: Liquid
pH: 9+	BOILING STATE: 210°F - 220°F
EVAPORATION RATE: Slower than butyl acetate. (.33)	DENSITY: Heavier than air.
VAPOR PRESSURE: Air =1 0.62	ODOR THRESHOLD: N.D. Viscosity
SOLUBILITY IN WATER: Soluble	SPECIFIC GRAVITY (water =1): 1.0047

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable, non-reactive.

HAZARDOUS POLYMERIZATION: Will not occur under normal circumstances

HAZARDOUS DECOMPOSITION PRODUCTS: May decompose under fire conditions emitting gases and vapors, which may be toxic and irritating to the respiratory system.

CONDITIONS TO AVOID: Excessive heat.

INCOMPATIBILITY: Strong oxidizers and caustics.

SECTION 11: TOXICOLOGICAL INFORMATION

CARCINOGENICITY: This material is NOT considered a carcinogen by IARC or NTP and is not regulated as a carcinogen by OSHA. (Also see Section 15 for related information)

SECTION 12: ECOLOGICAL INFORMATION

CHEMICAL FATE AND EFFECTS: No data available. Do not discharge effluent containing this product into lakes, streams ponds, estuaries or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product into sewer systems without previously notifying the local sewage authority.

SECTION 13: DISPOSAL CONSIDERATION

This material is NOT considered hazardous waste under Federal Hazardous Waste Regulations (40CFR 261). However, state and local requirements for waste disposal may be more restrictive or otherwise differ from federal regulations. Chemical additions, processing or otherwise altering this material may render the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Consult all applicable federal, state, and local regulations regarding the proper disposal of this material.

SECTION 14: TRANSPORTATION INFORMATION

This product is considered non-hazardous and not regulated by D.O.T.

SECTION 15: REGULATORY INFORMATION

No toxic chemical(s) subject to the reporting requirements of Section 311/312 of Title III and of 40 CFR 372 are present.

No toxic chemical(s) subject to the reporting requirements of 40 CFR 302.4 for CERCLA 102 are present.

No components of this mixture require export notification under Section 12(b) of the TSCA regulation.

SECTION 16: DISCLAIMER

The information and recommendations set forth herein are believed to be accurate. Because some of the information is derived from information provided to TUFF COAT MANUFACTURING INC., from its suppliers, and because TUFF COAT MANUFACTURING INC., has no control over the conditions of handling and use, TUFF COAT MANUFACTURING INC., makes no warranty, expressed or implied, regarding the accuracy of the data or the results to be obtained from the use thereof. The information is supplied solely for your information and consideration, and TUFF COAT MANUFACTURING INC., assumes no responsibility for use or reliance thereon. It is the responsibility of the user of TUFF COAT MANUFACTURING INC., products to comply with applicable federal, state, and local laws and regulations.

MSDS-MP10-4/1/13-1