

**MATERIAL SAFETY DATA SHEET****Emergency # 1-800-424-9300**  
**Information # 1-877-252-9457****TUFF Coat, Inc.**  
**2065 E. Main Street, Suite C**  
**Montrose, CO 81401****ULTRA TUFF WATER BASED METAL PRIMER (MP-10)**Updated 1/12/00**PRODUCT IDENTIFICATION****SECTION 1**

PRODUCT CODE – MP-10

PRODUCT NAME – ULTRA TUFF WATER BASED METAL PRIMER

CHEMICAL FAMILY - WATER BASED ENAMEL

HMIS RATING - HEALTH; 1 FIRE; 0 REACTIVITY; 0 PERSONAL PROTECTION; R. (See section 8)

**INGREDIENTS / HAZARD DATA****SECTION 2**

<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**PHYSICAL DATA****SECTION 3**

BOILING /MELTING POINT	0760 mm Hg.	100 C.	SOLUBILITY IN WATER	Soluble
pH		9+	EVAPORATION RATE (BuAc =1)	0.33
VAPOR PRESSURE mm Hg @20c	20 C Kpa 2.36	APPERANCE	Colored Liquid	
VAPOR DENSITY (Air = 1)	0.62			
SPECIFIC GRAVITY OR BULK DENSITY	1.05			
PERCENT VOLATILISE	20% w/w			
ODOR	Slight ammonia			

**FIRE AND EXPLOSION HAZARD DATA****SECTION 4**

FLASH POINT - F% (Test Method) – N/A

AUTOIGNITION TEMPERATURE – NOT DETERMINED

FLAMMABILITY LIMITS IN AIR (% V) - Lower: N/A Upper: N/A

EXTINGUISHING MEDIA - Water, fog, dry chemical, foam or Carbon dioxide

SPECIAL FIRE FIGHTING PROCEDURES - None

UNUSUAL FIRE &amp; EXPLOSION HAZARDS - None

**HEALTH HAZARD DATA & EFFECTS OF OVEREXPOSURE****SECTION 5**

SKIN CONTACT - Prolonged or repeated contact of product with skin may cause irritation.

EYE CONTACT - Direct contact of product with eyes may cause irritation.

INHALATION - Vapor or mist can cause headache, nausea, irritation of nose, throat and eyes.

INGESTION - Poisonous if swallowed. Can effect the optic nerve and other effects.

CHRONIC EFFECTS OF OVER EXPOSURE -Based on available data, permanent adverse effects are not expected.

TOXICOLOGICAL TEST DATA – No results available

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**EMERGENCY AND FIRST AID PROCEDURES**

**SECTION 6**

SKIN – Wash affected areas with water while removing contaminated clothing. Get immediate medical attention, launder contaminated clothing before reuse.

EYES - Flush eyes with generous amounts of water for at least 15 minutes. Get immediate medical attention.

INGESTION – If Swallowed DO NOT INDUCE VOMITING. Dilute with water or milk and call poison control or a physician immediately. Never give fluids or induce vomiting if the victim is unconscious or having convulsions.

INHALATION - Move to fresh air. Aid in breathing, if necessary. Get immediate medical attention

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**REACTIVITY DATA**

**SECTION 7**

PRODUCT STABILITY - Stable

CONDITIONS TO AVOID - Keep away from heat or direct strong sunlight.

CHEMICAL INCOMPATIBILITY – Strong oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS – Carbon monoxide and Carbon dioxide.

HAZARDOUS POLYMERIZATION – Does not occur.

CORROSIVE TO METAL - No

OXIDIZER - No

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**SPECIAL PROTECTION INFORMATION**

**SECTION 8**

RESPIRATORY PROTECTION - NIOSH/MSHA approved organic vapor respirator when vapors are generated above the permissible limit.

VENTILATION - Local exhaust to control recommended PEL.

PROTECTIVE CLOTHING - Gloves, coveralls, aprons, boots, - as necessary to prevent skin contact.

EYE PROTECTION - Chemical goggles.

OTHER PRECAUTIONS - Shower after handling this product. Clean clothing should be worn daily. Eyewash fountains should be easily accessible. Keep out of reach of children. Use only as directed on label. Close container after each use. Do not reuse container.

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**SAFE HANDLING INFORMATION**

**SECTION 9**

SPILL OR LEAK METHOD - Spills should be contained, solidified and placed in a RCA licensed facility.

WASTE DISPOSAL METHOD – Incinerate in a RCA licensed facility. Do not discharge into waterways or sewer systems without proper authorization.

CONTAINER DISPOSAL Empty containers with no residue at all may be landfilled at a licensed facility or for recondition. Recommend crushing or other means to prevent unauthorized reuse. Other containers must be disposed of in a RCA licensed facility.

PROPOSITION 65 - CALIFORNIA SAFE DRINKING & TOXIC ENFORCEMENT ACT OF 1986 - WARNING: Those ingredients marked by a SINGLE ASTERISK (\*), see Section 2 are chemicals known to the state of California to cause cancer and birth defects or other reproductive harm. Overexposure from this product may be prevented by following section 8 of this MSDS.

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**SUPPLIER INFORMATION**

**SECTION 10**

The information contained herein is based on the data available to us and is believed to be correct. However, TUFF Coat, LLC makes no warranty expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. TUFF Coat, LLC assumes no responsibility for injury or death from the use the product described herein.