

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 NON-SKID COATING*****Includes: UT-100, UT-100F, UT-100AQ, UT-50, UT-50F, UT-25, UT-25F, UT-14, UT-14F, UT-Glow and CC-100**
REV DATE: June 2009, Rev 2, TUFF Coat Manufacturing**PRODUCT IDENTIFICATION****SECTION 1**

PRODUCT CODE: UT-100

PRODUCT NAME: Ultra Tuff

U/N NUMBER: N/A

D/G CLASS - N/A

HAZCHEM CODE - N/A

POISONS SCHEDULE - N/A

CHEMICAL FAMILY - WATER BASED POLYURETHANE

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

PACK SIZES - Quarts, Gallons and 5 gallon pails.

USES - Non-slip decorative coating for safety and protection.

INGREDIENTS / HAZARD DATA**SECTION 2**

<u>CHEMICAL NAME(S)</u>	<u>CAS NUMBERS</u>	<u>PROPORTIONS</u>
URETHANE/ACRYLIC COPOLYMER		31 - 60%
WATER	7732-18-5	31 - 60%
RUBBER CRUMB		10 - 29%
N-METHYL2- 2-PYRROLIDONE	872-50-4	.25 - .5%
TRIETHYLAMINE	121-448	.25 - .5%
PIGMENTS & PLASTICISERS		1 - 9%
THICKENERS / OTHER MINOR INGREDIENTS		1 - 9%

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 - 760 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	APPEARANCE	Colored Liquid	
VAPOR DENSITY (Air = 1)	0.62	VOC	11.7 grams per liter
SPECIFIC GRAVITY OR BULK DENSITY	1.05		
PERCENT VOLATILISE		45% w/w	

FIRE AND EXPLOSION HAZARD DATA**SECTION 4**

FLASH POINT - F% (Test Method) - N/A

NON-COMBUSTIBLE - However following evaporation of aqueous component, residue material can burn if ignited. Use water to cool closed containers to prevent pressure build up.

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SECTION 4 - CONTINUED

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. Fire fighters should wear breathing apparatus if at risk to exposure of vapor of product after ignition.
UNUSUAL FIRE & 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 may be an irritant to mucous membranes.
INGESTION - No adverse effects expected, however large amounts may cause nausea and vomiting.
CHRONIC EFFECTS OF OVER EXPOSURE -Based on available data, permanent adverse effects are not expected.

EMERGENCY AND FIRST AID PROCEDURES

SECTION 6

SKIN - Remove contaminated clothing. Wash contaminated skin with plenty of soap and water. If irritation develops, seek medical attention. Launder contaminated clothing before reuse.
EYES - Flush eyes with generous amounts of water for at least 15 minutes. If irritation develops seek medical attention.
INGESTION - Rinse mouth with water. Give plenty of water to drink. If vomiting occurs give more water to drink. Seek medical advise.
INHALATION - Move to fresh air. Remove contaminated clothing. Keep patient warm and dry until fully recovered. If symptoms persist seek medical attention.
ADVICE TO DOCTORS - Treat symptomatically.

REACTIVITY DATA

SECTION 7

PRODUCT STABILITY - Stable
CONDITIONS TO AVOID - Keep canned product away from heat or direct strong sunlight. Do not allow to freeze.
CORROSIVE TO METAL - No
OXIDIZER - No

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SPECIAL PROTECTION INFORMATION

SECTION 8

RESPIRATORY PROTECTION - Breathing apparatus may be required in confined areas which meet requirements of AS1715 and AS1716.

VENTILATION - Local exhaust ventilation required if likely to exceed above limits. Product should always be applied ensuring adequate ventilation.

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

EYE PROTECTION - Safety 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.

SAFE HANDLING INFORMATION

SECTION 9

SHIPPING RESTRICTIONS - None - Class 55 Non-Hazardous

STORAGE - Store between 41 F - 104 F (5 C - 40 C) in well ventilated area away from direct sunlight. Keep from freezing.

SPILL OR LEAK METHOD - Slippery when wet. Spills should be contained with sand, soil or other inert material. Collect and seal in properly labeled containers for disposal. Wash area with detergent and water.

DISPOSAL - Refer to State Land & Waste Management Regulations.

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.

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.