

TOUGH STUFF AC5000 MATERIAL SAFETY DATA SHEET

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

Section I MANUFACTURER'S INFORMATION

Manufacturer's Name & Address:

Pro Coatings, Inc.
233 1/2 Prospect Street
Sparta, MI 49345

Telephone Number for Information: 616-887-8808
EMERGENCY CONTACT: CHEMTREC 800-424-9300
Date Revised: October 2003

Section II MATERIAL IDENTIFICATION AND INFORMATION

Hazardous components – Chemical Name & Common Names
(Hazardous Components 1% or greater; Carcinogens 0.1% or greater)

	<u>CAS #</u>	<u>%</u>	<u>OSHA PEL (ppm)</u>	<u>ACGIH TLV (ppm)</u>	<u>OTHER LIMITS</u>
Ammonia		<1.00	N/A	25 ppm	
Aqueous polyurethane dispersion		<10			

HMIS: Health 1, Flammability 0, Reactivity 0, Protection B
DOT CLASS: Paint, Non-regulated (Non-hazardous)

Section III PHYSICAL / CHEMICAL CHARACTERISTICS

1) BOILING POINT:	No Data Available
2) SPECIFIC GRAVITY:	(Water = 1) 1.05
3) VAPOR PRESSURE:	less than 1 mm Hg @ 20°C
4) MELTING POINT:	Not Determined
5) VAPOR DENSITY:	(Air = 1) <1
6) EVAPORATION RATE:	Not Applicable
7) SOLUBILITY IN WATER:	Soluble
8) WATER REACTIVE:	Non-reactive
9) APPEARANCE & ODOR:	Viscous liquid, ammonia odor

Section IV FIRE AND EXPLOSION DATA

1) FLASH POINT & METHOD:	>220°F (Pensky-Martens closed cup)
2) AUTO-IGNITION TEMPERATURE:	N/A
3) FLAMMABILITY LIMITS IN AIR % BY VOLUME:	LEL: N/A UEL: N/A
4) EXTINGUISHER (MEDIA):	Dry Chemical, Waterspray, Water Fog, CO ₂ , Foam, or Sand/Earth.
5) SPECIAL FIRE FIGHTING PROCEDURES:	For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus to protect against the hazardous effects of the normal products of combustion and oxygen deficiency.
6) UNUSUAL FIRE AND EXPLOSION HAZARDS:	None.

Section V REACTIVITY DATA

1) STABILITY:	Stable
2) CONDITIONS TO AVOID:	None known.
3) INCOMPATIBILITY (Materials to Avoid):	Salts and acids may coagulate this product.
4) HAZARDOUS DECOMPOSITION PRODUCTS:	Thermal decomposition: oxides of carbon, oxides of nitrogen
5) HAZARDOUS POLYMERIZATION:	Will not occur

Section VI HEALTH HAZARD DATA

- 1) PRIMARY ROUTES OF ENTRY: a. Inhalation: No
b. Skin absorption: No
c. Ingestion: No
- 2) CARCINOGEN LISTED IN: a. NTP: No
b. IARC MONOGRAPH: No
c. OSHA: No
- 3) HEALTH HAZARDS: a. ACUTE: Vapor or spray mist can cause headache, nausea and irritation of the nose, throat and lungs. Skin contact can be slightly irritating. Eye contact possibly irritating to the eyes. If swallowed, contact physician immediately.
b. CHRONIC: N/A
- 4) SIGNS AND SYMPTOMS OF EXPOSURE: See health hazards.
5) MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known.
6) EMERGENCY FIRST AID PROCEDURES: Seek medical assistance for further treatment, observation and support if necessary.
- 7) EYE CONTACT: May cause eye irritation. Flush eyes immediately with fresh water for at least 15 minutes while holding the eyelids open. If irritation persists, see a doctor. Do not get in eyes. Eye contact can be avoided by wearing chemical safety goggles.
- 8) SKIN CONTACT: May cause skin irritation. Wash skin thoroughly with soap and water.
9) INHALATION: Remove the person to fresh air. If breathing has stopped, apply artificial respiration. Call a doctor.
10) INGESTION: Contact physician.

Section VII CONTROL AND PROTECTIVE MEASURES

- 1) RESPIRATORY PROTECTION (Specify type): Not applicable.
2) PROTECTIVE GLOVES: Rubber or plastic, solvent resistant
3) EYE PROTECTION: Chemical safety goggles/eyewash station
4) VENTILATION TO BE USED: a. Local exhaust: Recommended
b. Mechanical (general): Recommended

Section VIII PRECAUTIONS FOR SAFE HANDLING AND USE/LEAK PROCEDURES

- 1) STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED: Dike and contain spill with inert material (e.g. sand, earth) transfer containers for disposal. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.
- 2) WASTE DISPOSAL METHODS: Dispose of in accordance with all federal, state, and local environmental regulations.
- 3) ENVIRONMENTAL IMPACT: N/A
- 4) PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store between 41°F and 120°F

The information in this MSDS was obtained from sources which we believe are reliable. HOWEVER, THE INFORMATION IS PROVIDED WITHOUT ANY WARRANTY, EXPRESSED, OR IMPLIED, REGARDING ITS CORRECTNESS. The conditions or methods of handling, storage, use and disposal of the product are beyond our control, and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME RESPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS, DAMAGE, OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING, STORAGE, USE, OR DISPOSAL OF THE PRODUCT. This MSDS was prepared and is to be used only for this product. If apprised of changes, updated MSDS sheets will be promptly issued. Users must make their own determination regarding the suitability of the product for their own purpose prior to use.