



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

U.S. DEPARTMENT OF LABOR

Occupational Safety and Health Administration
(Non-Mandatory Form)

Form Approved - OMB No. 1218-0072

Note: Blank spaces are not permitted. Mark all spaces not applicable (NA)
or no information (NI)

IDENTITY (As used on Label and List) -

MK 200 ODOR CONTROL

Class 3, UN 2319, PG III

SECTION I

MANUFACTURER'S NAME--- TORNADO PRODUCTS CO.
ADDRESS--- 302 West MacCorkle Avenue
St. Albans, WV 25177

EMERGENCY & INFORMATION TELEPHONE NUMBER:

1-800-881-5572 or (304) 727-5572

DATE PREPARED--- April 21, 2005

Signature of Preparer (Optional) _____

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

| HAZARDOUS COMPONENTS (Specific Chemical Identity; Common Names) | OSHA PEL | ACGIH-TLV | OTHER LIMITS | CAS# |
|---|----------|-----------|--------------|-----------|
| D'LIMONENE | | | | 5989-27-5 |
| METHYL ALCOHOL | | | | 67-56-1 |

HMIS INDEX (HAZARD INDEX: 0-Minimal 1-Slight 2-Moderate 3-Serious 4-Severe)

HEALTH--- 1 FLAMMABILITY--- 2 REACTIVITY--- 0

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT--- 310°F APPEARANCE AND ODOR--- Clear to yellow with a strong orange aroma
MELTING POINT--- NI VAPOR PRESSURE--- (20C) 2mmHg
SOLUBILITY IN WATER--- Insoluble VAPOR DENSITY (air-1)--- Heavier than air.
SPECIFIC GRAVITY (H2O)--- (25C)0.838-0.843 EVAPORATION RATE--- Medium/Fast

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method Used)--- 115°F AUTO IGNITION TEMPERATURE---

FLAMMABILITY LIMITS IN AIR % BY VOLUME---

LEL--- 0.7% UEL--- 6.1%

EXTINGUISHING MEDIA--- Carbon Dioxide, foam or dry chemical

SPECIAL FIRE FIGHTING PROCEDURES--- SCBA recommended. Smother to exclude air. DO NOT USE WATER. Handle as an oil fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS--- Combustible liquid. Keep away from heat, sparks, and open flame.
Guard against spontaneous combustion of improperly discarded oily rags.

SECTION V - REACTIVITY DATA

(MK200 Odor Control) con't. page 2

STABILITY--- STABLE X UNSTABLE _____ CONDITIONS TO AVOID---Avoid temperatures over 115°F.

INCOMPATIBILITY (Materials to Avoid)---**Strong oxidizing agents and acidic agents including acidic clays, peroxides, halogens, vinyl, chloride, and iodine pentafluoride.**

HAZARDOUS DECOMPOSITION OR BY PRODUCTS--- NI

HAZARDOUS POLYMERIZATION--- MAY OCCUR X WILL NOT OCCUR _____
CONDITIONS TO AVOID--- Polymerization catalysts such as aluminum chloride/acidic clays.

SECTION VI - HEALTH HAZARD DATA

ROUTES OF ENTRY SYMPTOMS AND FIRST AID PROCEDURES:

- ▶ **INHALATION?**---SYMPTOMS: Irritation in the nose, throat, and respiratory tract, coughing and headache.
FIRST AID: Evacuate to fresh air. Seek medical attention
- ▶ **INGESTION?**---SYMPTOMS: Vomiting, headache. FIRST AID: Seek medical attention immediately. DO NOT induce vomiting. Rinse mouth with water, then drink one glass of water. Do not leave victim unattended. Never give anything by mouth if unconscious.
- ▶ **SKIN?**---SYMPTOMS: Irritation, slight redness, drying. FIRST AID: Wash affected area with copious amounts of soap and water. Seek medical attention
- ▶ **EYES?**---SYMPTOMS: Irritation and burning. FIRST AID: Remove contact lenses at once. Flush with water for at least 15 minutes.
Seek medical attention.

HEALTH HAZARDS (Acute and Chronic)--- **Product is harmful if swallowed. Contains a potential skin sensitizer. Avoid prolonged or repeated exposure.**

CARCINOGENICITY- NI NTP?---NI IARC MONOGRAPHS?--- NI OSHA REGULATED?---NI

SIGNS AND SYMPTOMS OF EXPOSURE---Vomiting, headache, irritation to skin, eyes and respiratory tract.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED---Use protective gloves to avoid skin contact. Small spills can be wiped up. Large spills should be absorbed by dirt, sand, or other suitable absorbents. Do not hose down drains, sewers or waterways.

WASTE DISPOSAL METHOD---Incinerate or dispose in accordance with local, state and Federal regulations. Waste may be incinerated or handled through EPA spill control plan via land fill or dilution.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING--- No Smoking in vicinity. Eliminate any source of ignition. Minimize inhalation

OTHER PRECAUTIONS---. CAUTION: Slippery on floor.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION (SPECIFY TYPE): LOCAL EXHAUST X MECHANICAL X (if necessary)

OTHER (Specify)---Not normally required unless vapor concentration becomes high, then use NIOSH approved respirators.

PROTECTIVE GLOVES---Oil resistant gloves

EYE PROTECTION---Safety goggles or glasses.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT---Oil resistant apron, emergency eye wash and shower stations.

WORK/HYGIENIC PRACTICES--- Wash thoroughly after handling. Launder contaminated clothing before re-use.

