

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 or no information



IDENTITY (As used on Label and List) ---

MK-3-4 1/2-C DEGREASER—Class 8, UN-1814, PGII

SECTION I

MANUFACTURER'S NAME--- TORNADO PRODUCTS CO.
ADDRESS--- 701 5th Ave.
St. Albans, WV 25177

EMERGENCY & INFORMATION TELEPHONE NUMBER:

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

DATE PREPARED--- October 1, 2012

Signature of Preparer (Optional) _____

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENTS(Specific Chemical Identity; Common Names)	OSHA PEL	ACGIH-TLV	OTHER LIMITS	CAS #
POTASSIUM HYDROXIDE	NI	NI	NI	1310-58-2
ETHYLENE GLYCOL MONO BUTYL ETHER	NI	NI	NI	111-76-2
GLUCONIC ACID	NI	NI	NI	636-95-4
SODIUM METASILICATE	NI	NI	NI	6834-92-0
SODIUM ZYLENE SULFONATE	NI	NI	NI	1300-72-7
SURFACTANT BLEND BASE CORROSIVE	PROPRIETARY UN 1814			

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

HEALTH--- 3 FLAMMABILITY--- 0 REACTIVITY--- 0 PERSONAL PROTECTION--- Goggles, gloves, chemical apron, respirator if needed.
SEE SECTIONS VII & VIII FOR SPECIFIC DETAILS.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT--- 170°F.	APPEARANCE AND ODOR--- GREEN-BUTYL CELLOSOLVE
MELTING POINT--- NI	VAPOR PRESSURE---NI
SOLUBILITY IN WATER--- COMPLETE	VAPOR DENSITY (air-1)---NI
SPECIFIC GRAVITY (H2O)--- 1.14	VAPORATION RATE---NI

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method Used)--- NONE AUTO IGNITION TEMPERATURE---NI

FLAMMABILITY LIMITS IN AIR % BY VOLUME--- NI

LEL---NI UEL---NI

EXTINGUISHING MEDIA--- WATER

SPECIAL FIRE FIGHTING PROCEDURES--- REGULAR PROCEDURE, NO SPECIAL EQUIPMENT

UNUSUAL FIRE AND EXPLOSION HAZARDS--- NONE

SECTION V - REACTIVITY DATA

MK 3-4 ½ C (con't) -page 2

STABILITY--- STABLE X UNSTABLE _____ CONDITIONS TO AVOID--- NONE

INCOMPATIBILITY (Materials to Avoid)--- NONE

HAZARDOUS DECOMPOSITION OR BY PRODUCTS--- NONE

HAZARDOUS POLYMERIZATION--- MAY OCCUR _____ WILL NOT OCCUR X CONDITIONS TO AVOID---NONE

SECTION VI - HEALTH HAZARD DATA

ROUTES OF ENTRY AND HEALTH HAZARDS FOR EACH (Acute and Chronic):

▶ INHALATION?--- DIZZINESS, NOSE & THROAT IRRITATION

▶ INGESTION?--- WILL BLISTER MOUTH AND THROAT

▶ SKIN?--- CAN DRY OR BURN SENSITIVE SKIN

▶ EYES?--- WILL BURN AND IRRITATE

CARCINOGENICITY- NI

NTP?--- NI

IARC MONOGRAPHS?--- NI

OSHA REGULATED?---

SIGNS AND SYMPTOMS OF EXPOSURE--- DIZZINESS, IRRITATION OF NOSE

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE--NONE IF USED UNDER NORMAL CONDITION.

DO NOT ATOMIZE WITH AIR PRESSURE, USE GARDEN SPRAYER.

EMERGENCY AND FIRST AID PROCEDURES--- REMOVE TO FRESH AIR. IF IN EYES, FLUSH WITH WATER 15 MINUTES,
FOLLOW WITH 5% BORIC ACID SOLUTION.

IF INGESTED, DO NOT INDUCE VOMITING. CONSULT PHYSICIAN.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED---FLUSH WITH WATER OR DEFOAMER. NEUTRALIZE WITH
ALUM OR PHOSPHORIC ACID.

WATER DISPOSAL METHOD---NI

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING---KEEP FROM FREEZING-TEMPERATURE EXCEEDING 100 DEG. F. WILL
CAUSE SEPARATION OF MATERIAL IN 48 HOURS. STORE INDOORS.

OTHER PRECAUTIONS---NONE

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION (SPECIFY TYPE): LOCAL EXHAUST X MECHANICAL _____ (OR) SPECIAL _____

OTHER (Specify)--ENCLOSED ROOM: USE RESPIRATOR OR MASK

PROTECTIVE GLOVES--- RUBBER GLOVES

EYE PROTECTION---GOGGLES

OTHER PROTECTIVE CLOTHING OR EQUIPMENT--- WEAR GLOVES. PROTECTIVE CLOTHING-OSHA REGULATED

WORK/HYGIENIC PRACTICES---FOLLOW LABEL DIRECTION OR DESCRIPTION SHEET OR CALL EMERGENCY NUMBER.