

MATERIAL SAFETY DATA SHEET

U.S. DEPARTMENT OF LABOR
COMPLIES WITH USDL SAFETY AND HEALTH REGULATIONS, (29 CFR 1910.1200)

SECTION I : MANUFACTURED FOR

PRODUCT IDENTIFICATION

BEAVER RESEARCH CO
1025 W NORTH ST
KALAMAZOO MI 49007

TERP-A-KLEAN
DEGREASER/DEODORANT

EMERGENCIES : (616)-382-0133

GRL: 200 (CAS)

REVISION DATE: 02/24/92 (2)

SECTION II :

CAS NOS.	CHEMICAL NAMES	%	TLV (PPM)
68917-57-7	ORANGE TERPENES	>94.0	N/A
9016-45-9	NONYLPHENOXYPOLY(ETHYLENEOXY)ETHANOL	< 5.5	N/A
128-37-0	2,6-DI-TERT-BUTYL-4-METHYL-PHENOL	< 0.1	N/A
N/A	BROWN DYE	< 0.1	N/A

THIS PRODUCT IS NOT A CARCINOGEN OR POTENTIAL CARCINOGEN AS DEFINED BY OSHA, THE NTP, OR THE IARC MONOGRAPHS.

SECTION III : PHYSICAL DATA

POUR POINT : 10°-15°

BOILING POINT : 352 DEGREES FAHRENHEIT

VAPOR PRESSURE : 1 MM OF HG @ 20 DEGREES CENTIGRADE

VAPOR DENSITY, (AIR=1) : 4.69

SOLUBILITY IN WATER : EMULSIFIES; SOLUBLE ONLY IN TRACE QUANTITIES.

SPECIFIC GRAVITY, (H2O=1) : 0.841 @ 25 DEGREES C./25 DEGREES C.

PERCENT VOLATILE BY VOLUME : 93%

EVAPORATION RATE, (WATER=1) : < 1

P H : (10% EMULSION) : 4-6

APPEARANCE AND ODOR : AMBER LIQUID WITH CITRUS ODOR.

SECTION IV : FIRE AND EXPLOSION DATA

FLASH POINT, (METHOD USED) : 120 DEGREES FAHRENHEIT, (C.C.)

FLAMMABLE LIMITS, (A.I. 302 DEGREES FAHRENHEIT) : LEL-0.7 ; UEL-6.1

EXTINGUISHING MEDIA : 1) DRY POWDER; 2) FOAM; 3) CO2

SPECIAL FIREFIGHTING PROCEDURES : AVOID USE OF WATER AS IT MAY SPREAD FLAME

UNUSUAL FIRE AND EXPLOSION HAZARDS : COMBUSTIBLE LIQUID. KEEP AWAY FROM SPARKS AND OPEN FLAME.

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SECTION V : HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: UNKNOWN

EFFECTS OF OVEREXPOSURE: DIRECT EYE CONTACT WILL RESULT IN IRRITATION.
POSSIBLE SKIN IRRITANT WITH PROLONGED USE.

EMERGENCY FIRST AID PROCEDURES :

SKIN: WASH IMMEDIATELY WITH SOAP AND WATER.

EYES: FLUSH WITH WATER, IF IRRITATION PERSISTS, CALL PHYSICIAN.

INGESTION: DRINK LARGE VOLUMES OF MILK OR OTHER LIQUID, CALL
PHYSICIAN IMMEDIATELY.INHALATION: IF SYMPTOMS OF OVEREXPOSURE ARE EXPERIENCED, EVACUATE TO
FRESH AIR. CONSULT PHYSICIAN IF BREATHING IS DIFFICULT.*****
SECTION VI : REACTIVITY DATA

STABILITY DATA : STABLE

INCOMPATIBILITY : AVOID STRONG OXIDIZING AGENTS.

HAZARDOUS DECOMPOSITION PRODUCTS : NONE KNOWN.

HAZARDOUS POLYMERIZATION : MAY OCCUR. POLYMERIZATION CATALYSTS SUCH AS
ALUMINUM CHLORIDE SHOULD BE AVOIDED.*****
SECTION VII : SPILL OR LEAK PROCEDURESSMALL SPILLS : WIPE UP PRODUCT, RINSE SOILED AREA WITH WATER DOWN
THE DRAIN.LARGE SPILLS : STOP LEAK AT THE SOURCE AND COLLECT INTO A SUITABLE
CONTAINER, THEN TREAT AS A SMALL SPILL.FOLLOW STATE AND LOCAL REGULATIONS FOR DISPOSAL OF LARGE NON-RECLAIMABLE
SPILLS.*****
SECTION VIII : SPECIAL PROTECTION INFORMATIONRESPIRATORY PROTECTION : NOT NORMALLY REQUIRED, BUT IF VAPOR CONCENTRATION
BECOMES HIGH, USE GENERAL PURPOSE ORGANIC VAPOR MASK.

VENTILATION : LOCAL EXHAUST SHOULD BE ADEQUATE.

PROTECTIVE GLOVES : NONPOROUS RUBBER GLOVES

EYE PROTECTION : CHEMICAL SPLASH GOGGLES OR FACESHIELD.

OTHER PROTECTIVE EQUIPMENT : USUALLY NOT REQUIRED.

SECTION IX : SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE :

HANDLE AS A COMBUSTIBLE LIQUID. VAPORS CAN IGNITE, STORE AWAY FROM HEAT
AND OPEN FLAME. ALWAYS STORE UNUSED PORTION IN ORIGINAL CONTAINER WITH
CAP SECURE. AVOID TEMPERATURE EXTREMES.

OTHER PRECAUTIONS :

ALL HANDLING EQUIPMENT SHOULD BE ELECTRICALLY GROUNDING.

AS WITH ALL CHEMICALS USE WITH DUE CARE ACCORDING TO

BEL