



The Chemical Company
19 Narragansett Avenue
Jamestown, RI 02835
Phone: (401) 423- 3100

Material Safety Data Sheet

1. Supplier and Substance Identification

PRODUCT NAME Chemflexx TOTM
SYNONYMS TriOctylTrimellitate
CHEMICAL NAME TRI(2-ETHYLHEXYL) TRIMELLITATE
CHEMICAL FAMILY ORGANIC ESTER
CHEMICAL FORMULA C33H54O6
CAS NUMBER 319-31-1
PRODUCT USE PLASTICIZER
PREPARED BY CHEMICALS BUSINESS GROUP
CONTACT INFORMATION
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2. Composition /Information on ingredients

INGREDIENT	OCTYL-DECYL TRIMELLITATE		
CAS NUMBER:	% WT	% VOL	SARA 313 REPORTABLE
3319-31-1	> 99.9%		NA
	PPM	MG/M3	
OSHA PEL-TWA		NA	
OSHA PEL-STEL		NA	
OSHA PEL-CEILING		NA	
ACGIH TLV-TWA		NA	
ACGIH TLV-STEL		NA	
ACGIH TLV CEILING		NA	

3. Hazard Identification

EMERGENCY OVERVIEW

ROUTES OF ENTRY

EYES	NA
SKIN	NA
INGESTION	NOT A NORMAL ROUTE
INHALATION	NA
ACUTE HEALTH HAZARDS	NA
CHRONIC HEALTH HAZARDS	NA



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MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE NA
CARCINOGENICITY
OSHA NA
ACGIH NA
NTP NA
IARC NA
OTHER NA
SECTION 3 NOTES

SALMONELLA TYPHIMURIUM ASSAY (AMES TEST) NEGATIVE
CHO/HGPRT ASSAY NEGATIVE
UNSCHEDULED DNA SYNTHESIS (UDS) ASSAY NEGATIVE

4.First Aid Measures

EYES FLUSH EYES WITH WATER FOR AT LEAST 15 MINUTES. IF IRRITATION DEVELOPS
SEEK MEDICAL ATTENTION
SKIN WASH AFFECTED AREA WITH SOAP AND WATER
INGESTION SEEK MEDICAL ATTENTION
INHALATION MOVE VICTIM TO FRESH AIR. SEEK MEDICAL ATTENTION
NOTES TO PHYSICIAN OR FIRST AID PROVIDER

5.Fire Fighting Measures

FLAMMABLE LIMITS IN AIR UPPER: NA
(% BY VOLUME) LOWER: NA

FLASH POINT:
°F 505
°C
METHOD USED: COC

AUTOIGNITION TEMPERATURE:
°F 770
°C

NFPA HAZARD CLASSIFICATION
HEALTH: 1 FLAMMABILITY: 1 REACTIVITY: 0
OTHER:

HMIS HAZARD CLASSIFICATION
HEALTH: 1 FLAMMABILITY: 1 REACTIVITY: 0

PROTECTION

EXTINGUISHING METHOD DRY CHEMICAL, CO2, FOAM, WATER SPRAY
SPECIAL FIREFIGHTING PROCEDURES RESPIRATORY AND EYE PROTECTION, PROTECTIVE
CLOTHING
UNUSAL FIRE AND EXPLOSION HAZARDS NONE
HAZARDOUS DECOMPOSITION PRODUCTS CARBON MONOOXIDE, CARBON DIOXIDE

SECTION 5 NOTES

LOW HAZARD, LIQUID CAN BURN UPON HEATING TO

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ELEVATED TEMPERATURES

LEL @ 480°F 0.26% VOLUME

UEL @ 579°F 2.50% VOLUME

6.Accidental Release Measures

ACCIDENTAL RELEASE MEASURES: ABSORB THE MATERIAL WITH INERT ABSORBENT AND DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL LAWS

7.Handling and Storage

HANDLING AND STORAGE: AVOID BREATHING MIST OR VAPORS, AVOID SKIN AND EYE CONTACT NO SPECIAL STORAGE REQUIREMENTS

SECTION 7 NOTES: GROUND CONTAINERS WHEN TRANSFERRING TO AVOID STATIC DISCHARGE

8. Exposure Controls/Personal Protection

ENGINEERING CONTROLS

VENTILATION

LOCAL VENTILATION TO CONTROL PROCESS EMISSIONS

RESPIRATORY PROTECTION

IF VAPOR OR MIST IS GENERATED WEAR A niosh/msa APPROVED ORGANIC VAPOR/MIST RESPIRATOR

EYE PROTECTION

APPROVED SAFETY GLASSES OR GOGGLES

SKIN PROTECTION

PROTECTIVE CLOTHING TO MINIMIZE CONTACT, GLOVES

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

NA

WORK HYGIENIC GUIDELINES

FOLLOW STANDARD SAFE INDUSTRIAL CHEMICAL HANDLING PRACTICES

EXPOSURE GUIDELINES

NA

9.Physical and Chemical Properties

APPEARANCE

CLEAR COLORLESS LIQUID

ODOR

MINIMAL

PHYSICAL STATE

LIQUID

pH AS SUPPLIED

NA

pH (OTHER)

NA

BOILING POINT

°F: 777 °C: 414

MELTING POINT

°F: NM °C:

FREEZING POINT

°F: NM °C:

VAPOR PRESSURE (MM HG)

<0.0000001 MBAR @ 68°F

VAPOR DENSITY (AIR=1)

18.9

SPECIFIC GRAVITY (H2O=1)

0.989 @ 68°F

EVAPORATION RATE

NM

BASIS (=1)

SOLUBILITY IN WATER

34-179 MICROGRAMS/L @ 68°F

PERCENT SOLIDS BY WEIGHT

NA

PERCENT VOLATILE

MN

BY WEIGHT

°F: NM °C:

BY VOLUME

°F: NM °C:

VOLATILE ORGANIC COMPOUNDS:

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WITH WATER LBS/GAL: NM
WITHOUT WATER LBS/GAL: NM
MOLECULAR WEIGHT
VISCOSITY @°F @°C:

10. Stability and Reactivity

STABLE X **UNSTABLE:**
STABILITY
CONDITIONS TO AVOID (STABILITY) TEMPERATURES ABOVE THE BOILING AVOID CONTACT WITH
IMCOMPATIBILITY (MATERIALS TO AVOID) STRONG OXIDIZERS
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS NA
HAZARDOUS POLYMERIZATION WILL NOT OCCUR
CONDITIONS TO AVOID (POLYMERIZATION) NA

11. Toxicological Information

TOXICOLOGICAL INFORMATION

INHALATION LOW HAZARD FOR USUAL INDUSTRIAL HANDLING OR
COMMERCIAL HANDLING BY TRAINED PERSONEL.
ORAL LD50 (RAT) >3.2 G/KG
ORAL LD50 (MOUSE) >3.2G/KG
INHALATION LC50 (RAT) >230 MG/M 3/6 HOURS
DERMAL LD50 (GUINEA PIG) NONE
SKIN IRRITATION (GUINEA PIG) SLIGHT
SKIN SENSITIZATION (GUINEA PIG) NONE
EYE IRRITATION (RABBIT) SLIGHT
ORAL STUDY (28 DAYS, MALE RAT) LOEL = 642
**MG/KG/DAY (MINOR TARGET ORGAN EFFECT:
LIVER), NOEL = 184 MG/KG/DAY** LOEL = 184
MG/KG/DAY (MINOR TARGET EFFECT: BLOOD):
NOEL = NOT ESTABLISHED

12. Ecological Information

ECOLOGICAL INFORMATION: NA

13. Disposal Consideration

WASTE DISPOSAL METHOD DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL
LAWS
RCRA HAZARD CLASS NA
SECTION 13 NOTES:

14. Transport Information

US DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME:
HAZARD CLASS NOT REGULATED
ID NUMBER NA
PACKING GROUP NA



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LABEL STATEMENT NA

WATER TRANSPORTATION

PROPER SHIPPING NAME:

HAZARD CLASS NA

ID NUMBER NA

PACKING GROUP NA

LABEL STATEMENT

AIR TRANSPORTATION

PROPER SHIPPING NAME:

HAZARD CLASS NA

ID NUMBER NA

PACKING GROUP NA

LABEL STATEMENT LOW HAZARD FOR INDUSTRIAL OR COMMERCIAL HANDLING BY TRAINED PERSONEL

OTHER AGENCIES:

SECTION 14 NOTES:

15. Regulatory Information

US FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT) LISTED ON THE TSCA INVENTORY AT CAS REG # 003319-31-1

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION AND LIABILITY ACT):

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

311/312 HAZARD CATEGORIES NA

313 REPORTABLE INGREDIENTS NONE

STATE REGULATIONS:

INTERNATIONAL REGULATIONS: