

AMOCO OIL CO -- TORLON 4203L -- 5970-01-387-4425

=====
===== Product Identification =====

Product ID:TORLON 4203L
MSDS Date:02/23/1989
FSC:5970
NIIN:01-387-4425
Status Code:A
MSDS Number: CLJMR
=== Responsible Party ===
Company Name:AMOCO OIL CO
Address:200 E RANDOLPH DR MC 1408
City:CHICAGO
State:IL
ZIP:60601-6401
Country:US
Info Phone Num:312-856-3907/3304
Emergency Phone Num:1-800-447-8735 (HEALTH)
R
esp. Party Other MSDS Num.:01402000
Preparer's Name:NOT PROVIDED
Chemtec Ind/Phone:(800)424-9300
CAGE:15958
=== Contractor Identification ===
Company Name:AMOCO OIL CO
Address:200 E RANDOLPH DR
Box:City:CHICAGO
State:IL
ZIP:60601-6401
Country:US
Phone:312-856-3907- EM HLTH: 800 447-8735
CAGE:15958

=====
===== Composition/Information on Ingredients =====

Ingred Name:POLYAMIDE-IMIDE POLYMER (NJ TRADE SECRET REG. #
363-425-699-5007 P)

Ingred Name:TITANIUM DIOXIDE
CAS:13463-67-7

RTECS #:XR2275000

Minumum % Wt:0.

Maxumum % Wt:5.

Other REC Limits:NOT PROVIDED

OSHA PEL:15 MG/M3

ACGIH TLV:10 MG/M3

===== Hazards Identification =====

LD50 LC50 Mixture:TESTING NOT CONDUCTED.

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EFFECTS OF OVEREXPOSURE: EYE: NO

SIGNIFICANT HEALTH HAZARDS IDENTIFIED. PARTICLES OR FIBERS MAY

CAUSE SLIGHT DISCOMFORT SIMILAR TO GETTING DUST IN THE EYE. SKIN:

NO SIGNIFIC

ANT HEALTH HAZARDS IDENTIFI ED. PARTICLES OR FIBERS MAY

CAUSE SLIGHT DISCOMFORT SIMILAR TO RUBBING SAND AGAINST THE SKIN.

INHALATION: NO SIGNIFICANT IRRITATION EXPECTED OTHER THAN POSSIBLE

MECHANICAL IRRITATION. INGESTION: NO SI GNIFICANT HEALTH HAZARDS

IDENTIFIED.

Explanation of Carcinogenicity:NO COMPONENT KNOWN TO BE PRESENT IN THIS

PRODUCT AT >0.1% IS PRESENTLY LISTED AS A CARCINOGEN BY THE U.S.

NATIONAL TOXICOLOGY PROGRAM, THE INTERNATIONAL AGENCY FOR RESEARCH

ON

CANCER, OR THE OCCUPATIO NAL SAFETY AND HEALTH ADMINISTRATION AT

OSHA.

Effects of Overexposure:EYE: PARTICLES OR FIBERS MAY CAUSE SLIGHT

DISCOMFORT SIMILAR TO GETTING DUST IN THE EYE. SKIN: PARTICLES OR

FIBERS MAY CAUSE SLIGHT DISCOMFORT SIMILAR TO RUBBING SAND AGAINST

THE SKIN. INHALATION: POS SIBLE MECHANICAL IRRITATION.

Medical Cond Aggravated by Exposure:NOT PROVIDED

===== First Aid Measures =====

First Aid:EYE: FLUSH EYES WITH PLENTY

OF WATER. GET MEDICAL ATTENTION

IF IRRITATION PERSISTS. SKIN: WASH EXPOSED SKIN WITH SOAP AND

WATER. INHALATION: IF ADVERSE EFFECTS OCCUR, REMOVE TO

UNCONTAMINATED AREA. GE T MEDICAL ATTENTION. INGESTION: IF A LARGE

AMOUNT IS SWALLOWED, GET MEDICAL ATTENTION.

===== Fire Fighting Measures =====

Flash Point:>465.6C, 870.F

Autoignition Temp:Autoignition Temp Text:N/D

Lower Limits:N/D

Upper Limits:N/D

Extinguishing Media:AGENTS APPROVED FOR CLASS A

HAZRDS (E.G. FOAM,
STEAM) OR WATER FOG.

Fire Fighting Procedures:FIREFIGHTERS SHOULD WEAR FULL BUNKER GEAR,
INCLUDING A POSITIVE PRESSURE SELF CONTAINED BREATHING APPARATUS.
Unusual Fire/Explosion Hazard:HIGH DUST CONCENTRATIONS HAVE A POTENTIAL
FOR COMBUSTION OR EXPLOSION.

===== Accidental Release Measures =====

Spill Release Procedures:CONTAIN AND REMOVE BY MECHANICAL MEANS. VACUUM
OR SWEEP OUT; AVOID PRODUCING DUST.

Neutralizing Agent:NOT RELEVAN
T

===== Handling and Storage =====

Handling and Storage Precautions:HANDLING: MINIMIZE DUST GENERATION AND
ACCUMULATION. STORAGE: NO SPECIAL REQUIREMENTS.

Other Precautions:NOT PROVIDED

===== Exposure Controls/Personal Protection =====

Respiratory Protection:NONE REQUIRED; HOWEVER, USE OF ADEQUATE
VENTILATION IS GOOD INDUSTRIAL PRACTICE. DO NOT BREATHE DUST. IF
VENTILATION IS INADEQUATE, USE NIOSH/MSHA CERTIFIED RESPIRATOR THAT

WILL PROTECT AGAINST DUST/M IST.

Ventilation:ADEQUATE

Protective Gloves:PROTECTIVE GLOVES

Eye Protection:DUST GOGGLES

Other Protective Equipment:SKIN: NONE REQUIRED; HOWEVER, USE OF
PROTECTIVE GLOVES/CLOTHING IS GOOD INDUSTRIAL PRACTICE.

Work Hygienic Practices:NOT PROVIDED

Supplemental Safety and Health

ABBREVIATION: N/A = NOT APPLICABLE. N/AV = NOT AVAILABLE. N/K =
UNKNOWN. N/P = NOT PROVIDED. N/R = NOT RELEVANT. N/D = NOT
DETERMINED. N/E = NOT ESTABLISHED.

===== Physical/Chemical Properties =====

HCC:N1

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:NOT DETERMINED

Melt/Freeze Pt:=357.2C, 675.F

Decomp Temp:Decomp Text:NOT PROVIDED

Vapor Pres:NOT DETERMINED

Vapor Density:N/D

Spec Gravity:(WATER=1):1.38

pH:NOT DETERMINED

Solubility in Water:NEGLIGIBLE, BELOW 0.1%

Appearance and Odor:ODORLESS. GREEN. BROWN. POWDER OR PELLETS.

Corrosion Rate:NOT PROVIDED

===== Stability and Reactivity Data =====

Stability Ind

icator/Materials to Avoid: YES

NONE IDENTIFIED

Stability Condition to Avoid: AVOID GENERATING DUST

Hazardous Decomposition Products: INCOMPLETE BURNING CAN PRODUCE CARBON MONOXIDE AND/OR CARBON DIOXIDE AND OTHER HARMFUL PRODUCTS. HEATING CAN PRODUCE TOXIC FUMES OF METAL OXIDES.

===== Toxicological Information =====

Toxicological Information: TESTING NOT CONDUCTED. TITANIUM DIOXIDE HAS BEEN ASSIGNED EXPOSURE LIMITS BY ACGIH AND OSHA BASED ON NUISANCE DUST AND NOT TOXICITY.

===== Ecological Information =====

Ecological: TESTING HAS NOT BEEN PERFORMED ON THIS PRODUCT.

===== Disposal Considerations =====

Waste Disposal Methods: BURIAL AT A PERMITTED LANDFILL IS RECOMMENDED. DISPOSAL MUST BE IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, OR LOCAL REGULATIONS. RCRA: THIS UNUSED MATERIAL, WHEN DISCARDED OR DISPOSED OF, IS NOT SPECIFICALLY LISTED AS A HAZARDOUS WASTE IN FEDERAL REGULATIONS.

===== MSDS Transport Information =====

Transport Information: NOT REGULATED

===== Regulatory Information =====

SARA Title III Information: CERCLA SECTIONS 102A/103 HAZARDOUS SUBSTANCES (40 CFR PART 302.4): THIS PRODUCT IS NOT REPORTABLE UNDER 40 CFR PART 302.4. SARA TITLE III SECTION 302 EXTREMELY HAZARDOUS SUBSTANCES (40 CFR PART 355): THIS PRODUCT IS NOT REGULATED UNDER SECTION 302 OF SARA AND 40 CFR PART 355. SARA TITLE III, SECTION 311/312 HAZARDOUS CATEGORIZATION (40 CFR PART 370): THIS PRODUCT IS DEFINED AS HAZARDOUS BY OSHA UNDER 29 CFR PART 1910.1200(D). SARA TITLE III, SECTION 313 (40 CFR 372): THIS PRODUCT IS NOT REGULATED UNDER SECTION 313 OF SARA AND 40 CFR PART 372.

Federal Regulatory Information: U.S. INVENTORY (TSCA): LISTED ON INVENTORY. OSHA HAZARD COMMUNICATION STANDARD: CONTAINS A COMPONENT LISTED BY OSHA. CONTAINS A COMPONENT LISTED

D BY ACGIH.

State Regulatory Information:NOT PROVIDED

===== Other Information =====

Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.