

ASHLAND OIL,INC -- TT-T-548,TOLUENE -- 6810-00-735-1751

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

Product ID:TT-T-548,TOLUENE

MSDS Date:01/01/1985

FSC:6810

NIIN:00-735-1751

MSDS Number: BFMSQ

=== Responsible Party ===

Company Name:ASHLAND OIL,INC

Address:1409 WINCHESTER AVE

Box:391

City:ASHLAND

State:KY

ZIP:41114

Country:US

Emergency Phone Num:NONE

CAGE:81355

=== Contractor Identification ===

Company

Name:ASHLAND INC

Address:1409 WINCHESTER AVE

Box:391

City:ASHLAND

State:KY

ZIP:41114

Country:US

Phone:800-622-6846

CAGE:81355

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

Ingred Name:TOLUENE (SARA III)

CAS:108-88-3

RTECS #:XS5250000

Fraction by Wt: >60%

OSHA PEL:200 PPM/150 STEL

ACGIH TLV:50 PPM; 9293

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

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

Effects of Overexposure:EYES:SEVERE IRRITATION.SKIN:MODER

ATE
IRRITATION,DEFATTING.BREATHING:NASAL& RESPIRATORY IRRITATION

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

First Aid:SKIN:WASH AREA WITH SOAP & WATER.REMOVE CONTAMINATED CLOTHING-WASH BEFORE RE-USE.EYES:FLUSH WITH LARGE AMTS OF WATER.SWALLOWED:DONOT INDUCE VOMITING,KEEP PERSON WARM,QUIET,GET MEDICAL ATTENTION.BREATH ED: REMOVE TO FRESH AIR.KEEP PERSON WARM,QUIET

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

Flash Point:40F
TCC.
Lower Limits:1.2
Upper Limits:7.0
Extinguishing Media:DRY CHEMICAL,REGULAR FOAM,WATER FOG,CARBON DIOXIDE
Fire Fighting Procedures:SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE
Unusual Fire/Explosion Hazard:VAPORS MAY TRAVEL ALONG THE GROUND & CAUSE FLASH FIRES OR BE IGNITED BY PILOT LIGHTS,FLAMES,SPARKS.

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

Spill Release Procedures:SMALL SPILL: ABSORB LIQUID ON PAPER,VERMICULITE,FLOOR ABSORBENT & TRANSFER TO HOOD.LARGE SPILL:
ELIMINATE ALL IGNITION SOURCES.EXCLUDE PEOPLE FROM AREA NIOT WEARING PROTECTIVE EQUIPMENT.STOP SPILL AT SOURCE.RESIDUAL LIQUID MAY BE TAKEN UPONSAND,CLAY

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

Handling and Storage Precautions:PROTECT CONTAINERS AGAINST PHYSICAL DAMAGE.OUTDOOR OR DETACHED STORAGE IS PREFERABLE.I
Other Precautions:WEAR CHEMICAL GOGGLES,CHEMICAL CARTRIDGE RESPIRATOR OR SELF-CONTAINED BREATHING APPARATUS & RUBBER GLOVES.

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

Respiratory Protection:NIOSH/MESA JOINTLY APPROVED SELF-CONTAINED BREATHING APPARATUS
Ventilation:AS REQUIRED TO CONTROL TLV IN AIR
Protective Gloves:BUNG-N GLOVES
Eye Protection:CHEMICAL SPLASH GOGGLES
Other Protective Equipment:WEAR IMPERVIOUS CLOTHING & BOOTS
Supplemental Safety and Health
SWALLOWING:STOMACH IRRITATION,NAUSEA,VOMITING,DIARRHEA,CHEMICAL PNEUMONITIS (FATAL).SELF CONTAINED BREATHING APPARA

TUS MUST BE

OPERATED IN A PRESSURE DEMAND OR OTHER POSITIVE PRESSURE MODE.

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

HCC:F2

Boiling Pt:=111.1C, 232.F

Vapor Pres:38

Vapor Density:4.5

Spec Gravity:0.871

Evaporation Rate & Reference:4.5,ETHER

Solubility in Water:NEGLIGIBLE

Appearance and Odor:COLORLESS,BENZENELIKE ODOR

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

AVOID CONTACT WITH STRONG OXIDIZING AGENTS

Hazardous Decomposition Products:CO*2,CO WHEN BURNED

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

Waste Disposal Methods:SMALL SPILL:ALLOW VOLATILE PORTION TO EVAPORATE
IN HOOD.DESTROY REMAINING MATERIAL BY BURNING IN AN IRON PAN.LARGE
SPILL: DESTROY BTY LIQUID INCINERATION UNDER CONTROLLED
CONDITIONS.MATERIAL COLLECTED ON ABSORBENT MATERIAL MAY BE
DEPOSITEDIN LANDFIL

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.