

ASHLAND CHEMICAL INC., IC AND S DIV. -- DRY CLEANING SOLVENT TYPE 11 -- 6850-00-637-6135  
===== Product Identification =====

Product ID: DRY CLEANING SOLVENT TYPE 11  
MSDS Date: 12/22/1993  
FSC: 6850  
NIIN: 00-637-6135  
MSDS Number: BTRKG  
=== Responsible Party ===  
Company Name: ASHLAND CHEMICAL INC., IC AND S DIV.  
Address: 5200 BLAZER PKY  
Box: 2219  
City: DUBLIN  
State: OH  
ZIP: 43017  
Country: US  
Info Phone Num: 614  
-790-3333  
Emergency Phone Num: 800-274-5263  
CAGE: 5A188  
=== Contractor Identification ===  
Company Name: ASHLAND CHEMICAL CO  
Address: 5200 PAUL BLAZEL MEMORIAL PARKWAY  
Box: City: DUBLIN  
State: OH  
ZIP: 43017  
Country: US  
Phone: 614-889-4505  
CAGE: 5A188

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

Ingred Name: NAPHTHA, MEDIUM ALIPHATIC/ALIPHATIC PETROLEUM DISTILLATE  
CAS: 64742-88-7  
Fraction by Wt: 100%  
Other REC Limits: NONE SPECIFIED  
OSHA PEL: 100 PPM (MFR)  
ACGIH TLV: 100 PPM (MFR)

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Hazards Identification  
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LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

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

Health Hazards Acute and Chronic:ACUTE-EYE: MAY CAUSE SEVERE EYE IRRITATION. SKIN CONTACT: MAY CAUSE IRRITATION,DEFATTING & DERMATITIS. INHALATION: VAPORS/MISTS MAY CAUSE NASAL AND RESPIRATORY IRRITATION, CNS EFFECTS LIKE HEADACHE, DIZZINESS, NAUSEA

A,VOMITING, UNCONSCIOUSNESS, EVEN DEATH. INGESTION: CAUSES GI IRRITATION, VOMITING, DIARRHEA.

Effects of Overexposure:EYES: STINGING, TEARING, REDNESS, SWELLING, AND EYE DAMAGE. SKIN: DRY SKIN, REDNESS, BURNING, CRACKING OF THE SKIN. INHALATION: DIZZINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE AND POSSIBLE UNCONSCIOUSNESS, AND EVEN DEATH. INGESTION: NAUSEA,VOMITING, DIARRHEA.

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN DISORDERS OR EYE PROBLEMS OR IMPAIRED RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THE SUBSTANCE.

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First Aid Measures  
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First Aid:EYES: IMMEDIATELY MOVE INDIVIDUAL AWAY FROM EXPOSURE AND INTO FRESH AIR. FLUSH EYES WITH WATER FOR AT LEAST 15 MINUTES. SEEK IMMEDIATE MEDICAL ATTENTION. SKIN: WASH EXPOSED AREA WITH SOAP AND WATER. SEEK MEDICAL ATTENTION. INHALATION: REMOVE INDIVIDUAL TO FRESH AIR. KEEP PERSON WARM, QUIET AND GET MEDICAL ATTENTION.  
INGESTION: DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION.

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Fire Fighting Measures  
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Flash Point Method:TCC

Flash Point:143F,62C

Lower Limits:1.0

Extinguishing Media:REGULAR FOAM, CARBON DIOXIDE OR DRY CHEMICAL

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:NEVER USE WELDING OR CUTTING

TORCH ON OR  
NEAR DRUM (EVEN EMPTY) BECAUSE PRODUCT (EVEN JUST RESIDUE) CAN  
IGNITE EXPLOSIVELY. VAPORS ARE HEAVIER THAN AIR.

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

Spill Release Procedures:SMALL SPILLS: ABSORB LIQUID ON VERMICULATE,  
FLOOR ABSORBENT OR OTHER ABSORBENT MATERIAL. LARGE SPILL: ELIMINATE  
ALL IGNITION SOURCES. STOP SPILL AT SOURCE. PREVENT FROM ENTERING  
DRAINS, SEWERS, STREAM S OR OTHER BODIES OF WATER.

Neutralizing Agent:NONE SPECIFI  
ED BY MANUFACTURER.

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

Handling and Storage Precautions:ALL FIVE GALLON PAILS AND LARGER METAL  
CONTAINERS INCLUDING TANK CARS AND TANK TRUCKS SHOULD BE GROUNDED  
AND/OR BONDED WHEN MATERIAL IS TRANSFERRED.

Other Precautions:VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE  
GROUND OR BE MOVED BY VENTILATION AND IGNITED AT LOCATIONS DISTANCE  
FROM MATERIAL HANDLING POINT. DO NOT USE IN CLOSED SPACE. AVOID  
BREAT  
HING VAPOR S OR MISTS.

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

Respiratory Protection:IF HIGH VAPOR OR MIST CONCENTRATIONS EXPECTED,  
USE NIOSH-APPROVED RESPIRATOR IN ABSENCE OF PROPER ENVIRONMENTAL  
CONTROL. WEAR SUPPLIED-AIR RESPIRATOR PROTECTION IN CONFINED OR  
ENCLOSED SPACES, IF NEED ED.

Ventilation:MECHANICAL (GENERAL AND/OR LOCAL EXHAUST) VENTILATION TO  
MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:RESISTANT GLOVES

Eye Protection:CHEMICAL SPL  
ASH GOGGLES

Other Protective Equipment:EYE WASH STATION, QUICK DRENCH SHOWER AND  
IMPERVIOUS CLOTHING

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND  
RECOMMENDED PROCEDURES.

Supplemental Safety and Health

WARNING!!! SUDDEN RELEASE OF HOT ORGANIC CHEMICAL VAPORS OR MISTS FROM  
PROCESS EQUIPMENT OPERATING AT ELEVATED TEMPERATURE AND PRESSURE,  
OR SUDDEN INGRESS OF AIR INTO VACUUM EQUIPMENT, MAY RESULT IN I  
GNITION WITHOUT THE PRESENCE OF OBVIOUSIGNITION SOURCES

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

HCC:V4

Boiling Pt:B.P. Text:365F,185C

Vapor Pres:0.50

Vapor Density:5.48 (AIR)

Spec Gravity:0.790

Evaporation Rate & Reference:0.03 (N-BUTYL ACETATE=1)

Appearance and Odor:NONE SPECIFIED BY MANUFACTURER.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:HEAT, SPARKS, IGNITIO

N SOURCES

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE,  
VARIOUS HYDROCARBONS

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE  
AND FEDERAL REGULATIONS.

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