

ASHLAND CHEMICAL CO. DIV. OF ASHLAND OIL CO. INC. -- CLEANING COMPOUND, SOLVENT --  
6850-00-209-7947

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

Product ID:CLEANING COMPOUND, SOLVENT

MSDS Date:10/14/1988

FSC:6850

NIIN:00-209-7947

MSDS Number: BHGVY

=== Responsible Party ===

Company Name:ASHLAND CHEMICAL CO. DIV. OF ASHLAND OIL CO. INC.

Box:2219

City:COLUMBUS

State:OH

ZIP:43216

Country:US

Info Phone Num:614-790-3333

Emergency Phone Num:606-324-1133

CAGE:5A188

=== Contrac

tor 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:METHYLENE CHLORIDE (SARA III)

CAS:75-09-2

RTECS #:PA8050000

Fraction by Wt: 25%

OSHA PEL:500 PPM/C,1000; Z2

ACGIH TLV:50 PPM, A2; 9192

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:STODDARD SOLVENT

CAS:8052-41-3

RTECS #:WJ8925000

Frac

tion by Wt: 70%  
OSHA PEL:500 PPM  
ACGIH TLV:100 PPM; 9293

Ingred Name:PERCHLOROETHYLENE (TETRACHLOROETHYLENE) (SARA III)  
CAS:127-18-4  
RTECS #:KX3850000  
Fraction by Wt: 5%  
OSHA PEL:100 PPM  
ACGIH TLV:25PPM/100,A3 STEL;94  
EPA Rpt Qty:100 LBS  
DOT Rpt Qty:100 LBS

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:ACUTE: EYES- IRRITATION,  
TEARING,  
BLURRED VISION. SKIN- DEFATTING, DERMATITIS. INHALE- FATIGUE,  
NAUSEA, HEADACHE, IRRITATION OF NOSE AND LUNGS. INGEST- NAUSEA,  
VOMITING, DIARRHEA. CHRONIC: CARDIOVASCULAR STRESS AND POSSIBLE  
TUMOR FORMATION.  
Explanation of Carcinogenicity:METHYLENE CHLORIDE AND PERCHLOROETHYLENE  
ARE IDENTIFIED BY IARC AS A CARCINOGEN.  
Effects of Overexposure:SEE HEALTH HAZARDS.  
Medical Cond Aggravated by Exposure:BRONCHITIS, ASTHMA AND OTHER  
RESPIRATORY AILMENTS.

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

First Aid:EYES- FLUSH WITH WATER FOR AT LEAST 15 MINS. GET MEDICAL AID.  
SKIN- WASH WITH MILD SOAP AND WATER. IF IRRITATION PERSISTS, SEE  
DR.. INHALE- REMOVE TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE  
OXYGEN. IF BREATHING HAS STOPPED GIVE ARTIFICIAL RESPIRATION.  
INGEST- DO NOT INDUCE VOMITING, GET MEDICAL ATTENTION.

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

Lower Limits:1.0  
Extinguishing Media:

USE CARBON DIOXIDE, FOAM, DRY CHEMICAL.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:NEVER USE WELDING OR CUTTING TORCH ON OR NEAR DRUM(EVEN EMPTY) BECAUSE PRODUCT OR RESIDUE CAN IGNITE EXPLOSIVELY.

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

Spill Release Procedures:REMOVE ALL IGNITION SOURCES. DIKE OFF AREA IF

POSSIBLE. RECOVER FREE LIQUID. ADD ABSORBENT TO SPILL AREA. SCOOP UP AND PLACE IN SUITABLE CONTAINER FOR SUBSEQUENT DISPOSAL. DO NOT ALLOW MATERIAL TO ENTER PUBLIC SEWERS, STREAMS. VENTILATE AREA OF SPILL

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:KEEP CONTAINERS CLOSED WHEN NOT IN USE. KEEP AWAY FROM OPEN FLAME, FIRE AND SPARKS. DO NOT STORE OR

MIX WITH OXIDANTS. STORE IN COOL, DRY PLACE.

Other Precautions:WASH CONTAMINATED CLOTHING BEFORE RE-USE.

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

Respiratory Protection:IF VENTILATION DOES NOT MAINTAIN INHALATION EXPOSURES BELOW PEL (TLV), USE NIOSH/MSHA APPROVED RESPIRATOR AS PER CURRENT 29 CFR 1910.134, INSTRUCTIONS/WARNINGS AND NIOSH-RESPIRATOR SELECTION.

Ventilation:MECHANICAL WITH EXPLOSION PROOF MOTOR.

Protective Gloves:SOLVENT RESISTANT

Eye Protection:CHEMICAL SAFETY GOGGLES/FACE SHIELD

Other Protective Equipment:SAFETY SHOWER AND EYE BATH. OTHER EQUIPMENT AS REQUIRED TO MINIMIZE EXPOSURE FROM PROLONGED OR REPEATED CONTACT.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

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

HCC:T4

Boiling Pt:B.P. Text:102F,39C

Vapor Pres:355

Spec Gravity:> THAN WATER

Evaporation Rate & Reference:< THAN ETHER  
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, REACTIVE METALS SUCH AS ALUMINUM AND  
MAGNESIUM.  
Stability Condition to Avoid:HIGH TEMPERATURES, SPARKS, AND OPEN FLAMES  
Hazardous Decomposition Products:HYDROGEN CHLORIDE AND SMALL AMOUNTS OF  
PHOSGENE.

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

Waste Disposal Methods:SUPERVISED INCINERATION WHERE PERMITTED BY LAW.  
CHEMICAL DISPOSAL FACILITY OPERATION IN FULL COMPLIANCE WITH LOCAL,  
STATE AND FEDERAL REGULATIONS.

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