

ASHLAND CHEMICAL CO DIV OF ASHLAND OIL INC -- NITRILE RUBBER/RESIN IN SOLVENT --
8040-00-043-1717

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

Product ID:NITRILE RUBBER/RESIN IN SOLVENT

MSDS Date:01/05/1996

FSC:8040

NIIN:00-043-1717

Status Code:A

MSDS Number: CLNHV

=== Responsible Party ===

Company Name:ASHLAND CHEMICAL CO DIV OF ASHLAND OIL INC

Address:3849 FISHER RD

Box:2219

City:COLUMBUS

State:OH

ZIP:43

216

Country:US

Info Phone Num:614-790-3333 / 800-325-3751

Emergency Phone Num:1-800-274-5263

Preparer's Name:ERNEST CARTER

Chemtrec Ind/Phone:(800)424-9300

CAGE:7L600

=== Contractor Identification ===

Company Name:ASHLAND CHEMICAL CO DIV OF ASHLAND OIL INC

Address:3849 FISHER RD

Box:2219

City:COLUMBUS

State:OH

ZIP:43216

Country:US

Phone:614-790-3333 / 800-325-3751

CAGE:7L600

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

Ingred Name:METHYL ETHYL KETONE

CAS:78-93-3

RTECS #

:EL6475000
Minumum % Wt:79.
Maxumum % Wt:79.
OSHA PEL:590 MG/M3;200 PPM
ACGIH TLV:590 MG/M3;200 PPM
ACGIH STEL:885 MG/M3;300 PPM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:NITRILE RUBBER
Minumum % Wt:9.
Maxumum % Wt:13.

Ingred Name:ALKYLPHENOLIC RESIN
Minumum % Wt:4.
Maxumum % Wt:8.

Ingred Name:CALCIUM CARBONATE
CAS:471-34-1
RTECS #:FF9335000
Minumum % Wt:1.
Maxumum % Wt:5.

Ingred Name:FORMALDEHYDE
CAS:50-00-0
RTECS #:LP8925000
Minumum % Wt:.1
Maxumum % Wt:.1
OSHA PEL:SEE 1910.104
8
ACGIH STEL:C0.37 MG/M3;C0.3 PPM
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

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===== Hazards Identification =====
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Health Hazards Acute and Chronic:EYE:EXPOSURE MAY CAUSE MILD EYE
IRRITATION.SYMPTOMS MAY INCLUDE STINGING, TEARING, AND REDNESS.
SKIN: EXPOSURE CAUSES SKIN IRRITATION.PROLONGED OR REPEATED
EXPOSURE MAY DRY THE SKIN. SYMPTOMS MAY INCLUDE REDNESS, BURNING,
DRYING AND CRACKING, S

KIN BURNS AND SKIN DAMAGE. ADDITIONAL

SYMPTOMS OF SKIN CONTACT MAY INCLUDE: ALLERGIC SKIN REACTION.

SWALLOWING: LARGE AMOUNTS MAY BE HARMFUL. THIS MATERIAL CAN ENTER THE LUNGS DURING SWALLOWING OR VOMITING AND CAUSE LUNG INFLAMMATION AND/OR DAMAGE. INHALATION: EXPOSURE TO VAPOR OR MIST IS POSSIBLE. SHORT TERM INHALATION TOXICITY IS LOW. BREATHING SMALL AMOUNTS DURING NORMAL HANDLING IS NO

Effects of Overexposure: IRRITATION (NOSE, THROAT, RESPIRATORY TRACT), CENTRAL

NERVOUS SYSTEM DEPRESSION (DIZZINESS, DROWSINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE, UNCONSCIOUSNESS), CENTRAL NERVOUS SYSTEM DEPRESSION (DIZZINESS, DROWSINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE, UNCONSCIOUSNESS). TARGET ORGAN EFFECTS: BASED ON ANIMAL STUDIES, EXPOSURE TO METHYL ETHYL KETONE (MEK) INCREASES THE ONSET OF PERIPHERAL NEUROPATHY CAUSED BY EXPOSURE TO METHYL BUTYL KETONE (MEK). AND/OR N-HEXANE, AND/OR ETHYL BUTYL KETONE. MEK ALONE HAS BEEN SHOWN TO

CAUSE PERIPHERAL NEUROPATHY.

OVEREXPOSURE TO THIS MATERIAL (OR ITS COMPONENTS) HAS BEEN SUGGESTED AS A CAUSE OF THE

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

First Aid: EYES: FLUSH EYES GENTLY WITH WATER WHILE HOLDING EYELIDS APART. IF SYMPTOMS PERSIST OR THERE IS ANY VISUAL DIFFICULTY, SEEK MEDICAL ATTENTION. SKIN: FLUSH EXPOSED AREA WITH LARGE AMOUNTS OF WATER. IF SKIN IS DAMAGED, SEEK IMMEDIATE MEDICAL ATTENTION. IF SKIN IS NOT DAMAGED, AND

SYMPTOMS PERSIST, SEEK MEDICAL ATTENTION.

LAUNDER CLOTHING BEFORE REUSE. SWALLOWING: IF INDIVIDUAL IS DROWSY OR UNCONSCIOUS, PLACE ON LEFT SIDE WITH THE HEAD DOWN. SEEK MEDICAL ATTENTION. INHALATION: MOVE INDIVIDUAL AWAY FROM EXPOSURE AND INTO FRESH AIR. SEEK IMMEDIATE MEDICAL ATTENTION.

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

Flash Point Method: TOC

Flash Point: -5.C, 23.F

Lower Limits: 2.0%

Upper Limits: 12.0%

Extinguishing Media: REGULAR FOAM, WA

TER FOG, CARBON DIOXIDE, DRY
CHEMICAL.

Unusual Fire/Explosion Hazard:VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND OR MAY BE MOVED BY VENTILATION AND IGNITED BY PILOT LIGHTS, OTHER FLAMES, SPARKS, ETC. AT LOCATIONS DISTANT FROM MATERIAL HANDLING POINT. NEVER USE WELDING OR CUTTING TORCH ON OR NEAR DRUM (EVEN EMPTY) BECAUSE PRODUCT CAN REACT EXPLOSIVELY (EVEN RESIDUE).

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

Spill Release Proced

ures:ELIMINATE ALL IGNITION SOURCES (FLARES, FLAMES INCLUDING PILOT LIGHTS,ELECTRICAL SPARKS) PERSONS NOT WEARING PROTECTIVE EQUIPMENT SHOULD BE EXCLUDED FROM AREA OF SPILL UNTIL CLEAN UP HAS BEEN COMPLETE D,STOP SPILL AT SOURCE.PREVENT FROM ENTERING DRAINS, SEWERS, STREAMS OR OTHER BODIES OF WATER. PREVENT FROM SPREADING. IF PUMP OR VACUUM TRANSFER SPILLED PRODUCT TO CLEAN CONTAINERS FOR RECOVERY.

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

Han

dling and Storage Precautions:CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED. SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUES (VAPOR, LIQUID, AND/OR SOLID), ALL HAZARD PRECAUTIONS GIVEN IN THE DATA SHEET MUST BE OBSE RVED. ALL FIVE GALLON PAILS AND LARGER METAL CONTAINERS INCLUDING TANK CARS AND TANK TRUCKS SHOULD B

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

Respiratory Protection:IF WORKPLACE EXPOSURE LIMIT(S) OF PRODUCT OR ANY COMPONENT IS EXCEEDED (SEE EXPOSURE GUIDELINES), A NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR IS ADVISED IN ABSENCE OF PROPER ENVIRONMENTAL CONTROL. OSHA REGULATIONS ALSO PERMIT OTHER NIOSH/MSHA RESPIRATORS (NEGATIVE PRESSURE TYPE) UNDER SPECIFIED BONDITIONS (SEE YOUR INDUSTRIAL HYGIENIST).

Ventilation:PROVIDE SUFFICIENT MECHANICAL (GENERAL AND/OR LOCAL EXHAUST) VENTILATION.

Protective Gloves:RESISTANT GLOVES SUCH AS NATURAL RUBBER

Eye Protection:CHEMICAL SPLASH GOGGLES.

Su

Supplemental Safety and Health

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

Boiling Pt:=80.C, 176.F
Vapor Pres:71.000 MMHG @ 68.00 F
Vapor Density:2.5 AIR=1
Spec Gravity:.862 @ 77.00 F
VOC Pounds/Gallon:770
VOC Grams/Liter:7.18
Evaporation Rate & Reference:SLOWER THAN ETHYL ETHER
Appearance and Odor:TAN COLORED LIQUID
Percent Volatiles by Volume:78.0-82.0%

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

Stability Indicator/Materials to Avoid:YES
AVOID CONTACT WITH: STRONG OXIDIZING AGENTS.
Hazardous Decomposition Products:CARBON DIOXIDE AND CARBON MONOXIDE,
HYDROGEN CYANIDE, NITROGEN COMPOUNDS, PHENOLS, VARIOUS
HYDROCARBONS.
Conditions to Avoid Polymerization:WILL NOT UNDERGO.

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

Waste Disposal Methods:DESTROY BY LIQUID INCINERATION IN ACCORDANCE
WITH APPLICABLE REGULATIONS.

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

State Regulatory Information:THE FOLLOWING STATEMENT IS MADE IN ORDER TO
COMPLY
WITH THE CALIFORNIA SAFE DRINKING WATER AND TOXIC
ENFORCEMENT ACT OF 1996: THIS PRODUCT CONTAINS THE
FOLLOWING SUBSTANCE(S) KNOWN TO THE STATE OF
CALIFORNIA TO CAUSE CANCER.

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

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