

RUST-OLEUM CORPORATION -- HARD HAT PRIMERS AND TOPCOATS, 2137 -- 8010-01-177-0798=====
Product Identification
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Product ID:HARD HAT PRIMERS AND TOPCOATS, 2137
MSDS Date:08/20/1993
FSC:8010
NIIN:01-177-0798
MSDS Number: CHCBY
=== Responsible Party ===
Company Name:RUST-OLEUM CORPORATION
Address:11 HAWTHORNE PARKWAY
City:VERNON HILLS
State:IL
ZIP:60061
Country:US
Info Phone Num:708-367-7700
Emergency Phone Num:708-367-7700
Preparer's Name:RWB/AMB
CAGE:DO883

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Contractor Identification
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Company Name:RUST-OLEUM CORP
Address:11 HAWTHORN PARKWAY
Box:City:VERNON HILLS
State:IL
ZIP:60061-1583
Country:US
Phone:847-367-7700
CAGE:08882
Company Name:RUST-OLEUM CORPORATION
Address:11 HAWTHORNE PARKWAY
City:VERNON HILLS
State:IL
ZIP:60061-1583
Country:US
CAGE:DO883

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Composition/Information on Ingredients
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Ingred Name:XYLENE (SARA 313) (CERCLA). LEL: 1.2% VP: 9.2 @ 20C
CAS:1330-20-7
RTECS #:ZE2100000
Fraction by Wt: 15-30%
OSHA PEL:100 PPM
ACGIH TLV:100 PPM/150STEL; 9495
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:TOLUENE (SARA 313) (CERCLA). LEL: 1.2% VP: 22.0
CAS:108-88-3
RTECS #:XS5250000
Fraction by Wt: 10-25%
OSHA PEL:200 PPM; Z-2
ACGIH TLV:S, 50 PPM; 9495
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:VM & P NAPHTHA. LEL: 0.9% VP: 2.0 @ 20C

CAS:64742-89-8
Fraction by Wt: 0.5%
OSHA PEL:300 PPM (MFR)
ACGIH TLV:300 PPM (MFR)

Ingred Name:ETHANOL, 2-BUTOXY-; (2-BUTOXYETHANOL). LEL: 1.1% VP: 0.9 @
20C

CAS:111-76-2
RTECS #:KJ8575000
Fraction by Wt: 0-10%
OSHA PEL:S, 50 PPM
ACGIH TLV:S, 25 PPM; 9495

Ingred Name:2-BUTANONE; (METHYL ETHYL KETONE) (MEK) (SARA 313)
(CERCLA). LEL: 2.0% VP: 70.0 @ 20C

CAS:78-93-3
RTECS #:EL6475000
Fraction by Wt: 0-3%
OSHA PEL:200 PPM
ACGIH TLV:200 PPM/300STEL;9495
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:BENZENE, ETHYL-; (ETHYL BENZENE) (SARA 313). LEL: 1.2% VP:
14.9 @ 20C

CAS:100-41-4
RTECS #:DA0700000
Fraction by Wt: 1-4%
OSHA PEL:100 PPM
ACGIH TLV:100 PPM/125STEL;9495
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:PROPYL ALCOHOL; (N-PROPANOL). LEL: 2.1% VP: 14.9 @ 20C

CAS:71-23-8
RTECS #:UH8225000
Fraction by Wt: 1%
OSHA PEL:200 PPM
ACGIH TLV:S,200PPM/250STEL; 95

Ingred Name:HYDROCARBON PROPELLANT (PROPANE/ISOBUTANE). LEL: 25% VP: 85
PSI @ 20C

CAS:68476-86-8
Fraction by Wt: 25%
OSHA PEL:1000 PPM (MFR)
ACGIH TLV:1000 PPM (MFR)

Ingred Name:SUPDAT: WITH PERMANENT BRAIN & NERVOUS SYSTEM DAMAGE.
OVEREXPOSURE TO XYLENE & TOLUENE IN LAB ANIMALS HAS BEEN (ING 10)
RTECS #:9999999ZZ

Ingred Name:ING 9:ASSOCIATED WITH LIVER, KIDNEY, LUNG, SPLEEN AND EYE
DAMAGE AS WELL AS ANEMIA. EFFECTS IN HUMANS HAVE (ING 11)
RTECS #:9999999ZZ

Ingred Name:ING 10: INCLUDED LIVER AND CARDIAC ABNORMALITIES.
2-BUTOXYETHANOL MAY BE HARMFUL IF ABSORBED THROUGH THE (ING 12)
RTECS #:9999999ZZ

Ingred Name:ING 11: SKIN AND HAS BEEN SHOWN TO CAUSE BLOOD

ABNORMALITIES IN LAB ANIMALS.
RTECS #:9999999ZZ

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ANIMAL STUDIES CLEARLY DEMONSTRATED
DOSE-RELATED ADVERSE EFTS ON CNS, HEMATOPOIETIC TISSUES, BLOOD,
KIDNEYS & LIVER, ASSOC W/ADMIN OF ETHYLENE GLYCOL MONOBUTYL ETHER
(EGBE). (EXTRACTED FROM DHHS (NIOS H) PUB NO 90-118) . TOLUENE
APPEARS ON THE NAVY LISTING OF OCCUP CHEM REPROD HAZ. SEEK (EFTS OF
OVEREXP)
Explanation of Carcinogenicity:NOT RELEVANT.
Effects of Overexposure:HLTH HAZ: CONSULTATION FROM APPROP HLTH
PROFESSIONALS CONCERNING LATEST HAZ LIST INFO & SAFE HNDLG & EXPOS
INFO . ACUTE: INHAL: HARMFUL IF INHALED. MAY AFFECT BRAIN/NERVOUS
SYS CAUSING DIZZ, HDC H/NAUSEA. RPTD OVEREXPS MAY PROGRESSIVELY
LEAD TO STAGGERING GAIT, CONFUSION, UNCONSCIOUSNESS/COMA. CAUSES
(SUPDAT)
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHAL: REMOVE FROM EXPOSURE, RESTORE BREATHING & NOTIFY A MD.
EYE: FLUSH IMMEDIATELY W/LARGE AMOUNTS OF WATER FOR AT LEAST 15
MIN. NOTIFY A MD. SKIN: WASH AFFECTED AREA W/SOAP & WATER, REMOVE
CONTAMINATED CLOTHING & WASH BEFORE REUSE. INGEST: DO NOT INDUCE
VOMITING. KEEP PERSON WARM, QUIET & GET MED ATTN. ASPIRATION OF
THIS MATERIAL INTO THE LUNGS CAN CAUSE CHEM PNEUMONITIS WHICH CAN
BE FATAL.

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

Flash Point Method:TCC
Flash Point:<0F,<-18C
Lower Limits:SEE INGRED
Extinguishing Media:HFWA CLASS B EXTINGUISHERS (CARBON DIOXIDE, DRY
CHEMICAL OR FOAM).
Fire Fighting Procedures:USE NIOSH APPRVD SCBA & FULL PROT EQUIP .
WATER SPRAY MAY BE INEFT. H*2O MAY BE USED TO COOL CLSD CNTNRS TO
PVNT PRESS BUILD-UP & POSSIBLE (SUPDAT)
Unusual Fire/Explosion Hazard:KEEP CNTNRS TIGHTLY CLSD. ISOLATE FROM
HEAT, ELEC EQUIP, SPARKS & OPEN FLAME. CLSD CNTNRS MAY EXPLODE WHEN
EXPOSED TO EXTREME HEAT. DO NOT APPLY TO HOT SURFS.

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

Spill Release Procedures:REMOVE ALL SOURCES OF IGNITION, VENTILATE AREA
AND REMOVE WITH INERT ABSORBENT AND NON-SPARKING TOOLS.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:DO NOT STORE ABOVE 120F. DO NOT
PUNCTURE/INCINERATE CNTNRS. INTENTIONAL MISUSE BY DELIB
CONCENTRATING & INHALING CONTENTS MAY BE HARMFUL OR FATAL.
Other Precautions:CALIFORNIA PROPOSITION 65 STATEMENT: THESE PRODUCTS
CONTAIN CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH

DEFECTS OR OTHER REPRODUCTIVE HARM.

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 Exposure Controls/Personal Protection
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Respiratory Protection:USE NIOSH APPROVED CHEMICAL CARTRIDGE RESPIRATOR (TC23C) TO REMOVE SOLID AIRBORNE PARTICLES OF OVERSPRAY AND ORGANIC VAPORS DURING SPRAY APPLICATION. IN CONFINED AREAS: USE NIOSH APPROVED SUPPLIED - A IR RESPIRATORS OR HOODS (TC19C).

Ventilation:PROVIDE GENERAL DILUTION/LOCAL EXHAUST VENT IN VOL & PATTERN TO KEEP TLV OF HAZ INGREDIENTS BELOW ACCEPTABLE LIMITS.

Protective Gloves:IMPERVIOUS GLOVES.

Eye Protection:ANSI APPROVED CHEM WORKERS GOGGS .

Other Protective Equipment:EYE WASH FOUNTAIN & DELUGE SHOWER WHICH MEET ANSI DESIGN CRITERIA . CLOTHING TO PREVENT SKIN CONTACT.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety and Health

FIRE FIGHT PROC: AUTOIGNITION/EXPLOSION. IF H*2O IS USED, FOG NOZZLES ARE PREFERRED. EFTS OF OVEREXP: NOSE & THROAT IRRIT. SKIN/EYES: CAUSES EYE & SKIN IRRIT WHICH CAN LEAD TO DERM W/RPTD OVEREXP. ING EST: MAY CAUSE GI IRRIT, NAUSEA, VOMIT & DIARR. CHRONIC: RPTS HAVE ASSOC RPTD & PRLNGD OCCUP OVERXP TO SOLVENTS (ING 9)

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 Physical/Chemical Properties
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Boiling Pt:B.P. Text:<0F,<-18C

Vapor Pres:SEE INGRED

Vapor Density:HVR/AIR

Evaporation Rate & Reference:SLOWER (ETHER = 1)

Appearance and Odor:NONE SPECIFIED BY MANUFACTURER.

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 Stability and Reactivity Data
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Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:BY OPEN FLAME: CARBON MONOXIDE AND CARBON DIOXIDE.

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 Disposal Considerations
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Waste Disposal Methods:DISPOSE OF ACCORDING TO LOCAL, STATE AND FEDERAL REGULATIONS. DO NOT INCINERATE CLOSED CONTAINERS.

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