

TURCO PRODUCTS, INC. DIV OF ELF ATOCHEM NORTH AMERICA -- TURCO 4460-BK --
6850-01-406-0408

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

Product ID:TURCO 4460-BK

MSDS Date:12/02/1996

FSC:6850

NIIN:01-406-0408

Status Code:A

MSDS Number: CKQDL

=== Responsible Party ===

Company Name:TURCO PRODUCTS, INC. DIV OF ELF ATOCHEM NORTH AMERICA

Address:7320 BOLSA AVENUE

City:WESTMINSTER

State:CA

ZIP:92684

Country:US

In

fo Phone Num:714-890-3600

Emergency Phone Num:202-483-7616

Resp. Party Other MSDS Num.:CS NO.: 00683

CAGE:TO831

=== Contractor Identification ===

Company Name:TURCO PRODUCTS, INC. DIV OF ELF ATOCHEM NORTH AMERICA

Address:7320 BOLSA AVENUE

Box:City:WESTMINSTER

State:CA

ZIP:92684

Country:US

Phone:714-890-3600

CAGE:TO831

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

Ingred Name:ETHYL ACETATE

CAS:141-78-6

RTECS #:AH5425000

= Wt:20.

OSHA PEL:1400 MG/M3;400 PPM

ACGIH TLV:1440

MG/M3;400 PPM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:METHYL ISOBUTYL KETONE
CAS:108-10-1
RTECS #:SA9275000
= Wt:20.
OSHA PEL:410 MG/M3;100 PPM
ACGIH TLV:205 MG/M3;50 PPM
ACGIH STEL:307 MG/M3;75 PPM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:ISOPROPANOL
CAS:67-63-0
RTECS #:NT8050000
= Wt:10.
OSHA PEL:980 MG/M3;400 PPM
ACGIH TLV:983 MG/M3;400 PPM
ACGIH STEL:1230 MG/M3;500 PPM

Ingred Name:TOLUENE
CAS:108-88-3
RTECS #:XS5250000
= Wt:30.
OSHA PEL:SEE TABLE Z-2
ACGIH TLV:1
88 MG/M3;50 PPM
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:LIGHT ALIPHATIC NAPHTHA
CAS:64742-89-8
= Wt:20.

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

LD50 LC50 Mixture:NO DATA PROVIDED BY RESPONSIBLE PARTY.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYES: CONTACT WITH EYES MAY CAUSE
MODERATE TO SEVERE IRRITATION. SKIN: CONTACT WITH SKIN MAY CAUSE
MOD

ERATE TO SEVERE IRRITATION, DRYING, DEFATTING, READILY ABSORBED THROUGH SKIN IN TOXIC AMOUNTS. INHALATION: VAPORS: MODERATE IRRITATION, DIZZINESS, HEADACHE, POSSIBLE NARCOSIS. MIST: SEVERE RESPIRATORY IRRITATION, NAUSEA, POSSIBLE LUNG DAMAGE. INGESTION: MODERATE TO SEVERE IRRITATION OF GASTROINTESTINAL TRACT, NAUSEA. MEDICAL CONDITIONS WHICH MAY BE AGGRAVATED: PROLONGED OR REPEATED OVEREXPOSURE TO AROMATIC HYDROCARBONS MAY CAUSE KIDNEY AND LIVER DAMAGE. REPEATED OVER

EXPOSURE MAY AGGRAVATE ANY PREEXISTING DYSFUNCTION OF THESE SYSTEMS

Explanation of Carcinogenicity: NONE (AS DEFINED IN 29 CFR 1910.1200, APPENDIX A(1)).

Effects of Overexposure: EYES: MODERATE TO SEVERE IRRITATION. SKIN: MODERATE TO SEVERE IRRITATION, DRYING, DEFATTING. INHALATION: VAPORS: MODERATE IRRITATION, DIZZINESS, HEADACHE, POSSIBLE NARCOSIS. MIST: SEVERE RESPIRATORY IRRITATION, NAUSEA, POSSIBLE LUNG DAMAGE. INGESTION: MODERATE TO SEVERE IRRITATION OF GASTROINTEST

TIONAL TRACT, NAUSEA.

Medical Conditions Aggravated by Exposure: MEDICAL CONDITIONS WHICH MAY BE AGGRAVATED: PROLONGED OR REPEATED EXPOSURE TO AROMATIC HYDROCARBONS MAY CAUSE

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

First Aid: EYES: FLUSH EYES WITH LOTS OF WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS, OBTAIN MEDICAL ATTENTION. SKIN: FLUSH AFFECTED AREA WITH LARGE VOLUME OF WATER. CONTINUE FLUSHING AT LEAST 15 MINUTES. IF IRRITATION IS EVIDENT OR BLISTERING OCCURS, OBTAIN MEDICAL ATTENTION. INHALATION: REMOVE TO FRESH AIR. IF BREATHING STOPPED, APPLY ARTIFICIAL RESPIRATION. IF BREATHING DIFFICULT, ADMINISTER OXYGEN. INGESTION: DO NOT INDUCE VOMITING UNLESS DIRECTED BY MEDICAL PERSONNEL. IF VICTIM CONSCIOUS, GIVE LOTS OF WATER OR MILK. OBTAIN IMMEDIATE MEDICAL ATTENTION. NEVER INDUCE VOMITING OR GIVE ANYTHING BY MOUTH IF VICTIM IS UNCONSCIOUS.

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

Flash Point Method: TCC

Flash Point: -3.7C, 25.F

Extinguishing Media: FOAM, CARBON DIOXIDE, DRY CHEMICAL.

Fire Fighting Procedures: USE SELF-CONTAINED RESPIRATORY PROTECTION.

Unusual Fire/Explosion Hazard: VAPORS FROM THIS PRODUCT ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND TO BE IGNITED AT A POINT REMOTE FROM MATERIAL HANDLING AREA.

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

Spill Release Procedures: CONTAIN SPILLAGE. STOP LEAK AT SOURCE IF THIS

CAN BE DONE SAFELY. VENTILATE AREA. NONESSENTIAL PERSONNEL SHOULD LEAVE THE AREA UNTIL CLEANUP IS COMPLETED. PUMP LIQUID INTO DOT-APPROVED DRUMS FOR DISPOSAL. ABSORB REMAINING LIQUID INTO INERT ABSORBENT AND PLACE IN DOT-APPROVED DRUMS FOR DISPOSAL. WASH AREA WITH WATER. COLLECT WASHINGS AND PLACE IN DOT-APPROVED DRUMS FOR DISPOSAL.

Neutralizing Agent:NO DATA PROVIDED BY RESPONSIBLE PARTY.

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

Handling and

Storage Precautions:STORE IN DRY PROTECTED AREA AWAY FROM STRONG OXIDIZING AGENTS, STRONG ACIDS AND STRONG ALKALIES. METAL CONTAINERS SHOULD BE FITTED WITH A BONDED GROUND WIRE WHEN MATERIAL IS TRANSFERRED. EMPTY CONTAINERS MAY CONTAIN FLAMMABLE VAPORS IN DANGEROUS AMOUNTS. CONTAMINATED WIPE CLOTHS SHOULD BE COLLECTED

Other Precautions:REPAIR AND MAINTENANCE OF CONTAMINATED EQUIPMENT: RELIEVE ANY PRESSURE. COVER OPENINGS TO AVOID SPURTING. CLEAN EXTERIOR AND INTERIOR BY FLUSHING WITH WATER. COLLECT FLUSHINGS FOR DISPOSAL. USE PROTECTIVE EQUIPMENT FOR EYES, SKIN AND INHALATION.

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

Respiratory Protection:IF TLV IS EXCEEDED, A NIOSHA-APPROVED SELF-CONTAINED BREATHING APPARATUS, POSITIVE PRESSURE HOSE MARK OR AN AIR LINE MASK IS ADVISED. THESE SHOULD HAVE A FULL FACE PIECE AND BE OPERATED IN A POSITIVE PRESSURE MODE. FOR LIMITED EXPOSURE TIME, IN AREAS WHERE A CANISTER MAY BE USED. THESE MUST NOT BE USED

IN ANY AREAS WHERE A DANGER OF OXYGEN DEFICIENCY EXISTS

Ventilation:MAINTAIN SUFFICIENT MECHANICAL VENTILATION TO KEEP CONCENTRATION BELOW TLV.

Protective Gloves:GLOVES-NEOPRENE, VITON

Eye Protection:FACE SHIELD OR GOGGLES.

Other Protective Equipment:BOOTS AND APRON MADE OF SOLVENT RESISTANT MATERIAL-VITON, NEOPRENE, ETC

Work Hygienic Practices:WASH HANDS AND FACE WITH SOAP AND WATER BEFORE SMOKING OR EATING. IMMEDIATELY REMOVE ALL CONTAMINATED CLOTHING

LAUNDRY SEPARATELY BEFORE REUSE.

Supplemental Safety and Health

NO DATA PROVIDED BY RESPONSIBLE PARTY.

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

HCC:F2

Boiling Pt.=76.7C, 170.F

Vapor Pres:APPROX. 40 MMHG

Vapor Density:>1

Spec Gravity:0.81

VOC Pounds/Gallon:815

Evaporation Rate & Reference:>1 (BUTYL ACETATE=1)

Appearance and Odor:WATER-WHITE CLEAR LIQUID, ESTER/KETONE ODOR.

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

Stability Indic

ator/Materials to Avoid: YES

STRONG ACIDS, STRONG ALKALIES, STRONG OXIDIZERS.

Stability Condition to Avoid: CONTACT WITH STRONG ACIDS, STRONG ALKALIES, STRONG OXIDIZERS.

Hazardous Decomposition Products: THERMAL DECOMPOSITION MAY PRODUCE CARBON MONOXIDE, DIOXIDE AND OTHER TOXIC VOLATILE ORGANIC COMPOUNDS.

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===== Toxicological Information =====

Toxicological Information: NO DATA PROVIDED BY RESPONSIBLE PARTY.

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===== Ecological Information =====

Ecological: NO DATA PROVIDED BY RESPONSIBLE PARTY.

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

Waste Disposal Methods: 1) TRANSFER TO RECLAIMING CENTER FOR RECYCLING OR REUSE, IF POSSIBLE. 2) TRANSFER TO LICENSED HAZARDOUS WASTE TREATMENT OR DISPOSAL SITE OR DISPOSITION UNDER APPLICABLE LOCAL, STATE AND REGIONAL REGULATIONS AS HAZARDOUS WASTE.

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===== MSDS Transport Information =====

Transport Information: DOT INFORMATION: SHIPPING NAME: FLAMMABLE LIQUID, N.O.S. (TOLUENE, ETHYL ACETATE). CLASS: FLAMMABLE LIQUID. ID NUMBER: UN1993.

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

SARA Title III Information: SARA REPORTABLE: METHYL ISOBUTYL KETONE, CAS# 108-10-1, 20%; TOLUENE, CAS# 108-88-3, 30%.

Federal Regulatory Information: CERCLA RQ: ETHYL ACETATE-5000 LBS; METHYL ISOBUTYL KETONE-5000 LBS; TOLUENE-1000 LBS. RCRA HAZARDOUS WASTE NUMBER: ETHYL ACETATE-U112; METHYL ISOBUTYL KETONE-U161; TOLUENE-U220.

State Regulatory Information: THIS MSDS COMPLIES WITH THE COMMUNITY RIGHT-TO-KNOW LAWS OF CERTAIN STATES, INCLUDING PENNSYLVANIA AND NEW JERSEY. NOTE: THIS PRODUCT AND/OR THE CONTAINER IT IS PACKAGED IN CONTAIN COMPONENTS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, REPRODUCTIVE DAMAGE OR BIRTH DEFECTS.

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

Disclaimer (provided with this information by the compiling

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