ZIPPO MFG CO -- ZIPPO BLEND 1

MSDS Safety Information

FSC: 9140
MSDS Date: 09/23/1993
MSDS Num: BWFZJ
LIIN: 00N0056452
Product ID: ZIPPO BLEND 1
MFN: 01
Responsible Party
Cage: 2W274
Name: ZIPPO MFG CO
Address: CONGRESS ST EXTENTION
City: BRADFORDE PA 16701
Info Phone Number: 814-362-4541
Emergency Phone Number: 814-362-4541
Published: Y

Contractor Summary

Cage: 2W274
Name: ZIPPO MFG CO
Address: CONGRESS ST EXTENTION
City: BRADFORDE PA 16701
Phone: 814-362-4541

Ingredients

Cas: 64742-89-8
RTECS #: 1003161VN
Name: VM & P NAPHTHA; (ALIPHATIC PETROLEUM DISTILLATES); BP:185F/85C @ 760 MM/HG. VP:38 MM/HG @ 68F/20C. CONTAINS INGREDIENTS 2 & 3.
% Wt: 19
OSHA PEL: 400 PPM MFR
ACGIH TLV: N/K (FP N)

Cas: 108-88-3
RTECS #: XS5250000
Name: TOLUENE (SARA III)
% Wt: <7
OSHA PEL: 200 PPM
ACGIH TLV: 50 PPM
EPA Rpt Qty: 1000 LBS
DOT Rpt Qty: 1000 LBS

Cas: 110-82-7
RTECS #: GU6300000
Name: CYCLOHEXANE (SARA III)
% Wt: <3.5
OSHA PEL: 300 PPM
ACGIH TLV: 300 PPM
EPA Rpt Qty: 1000 LBS
DOT Rpt Qty: 1000 LBS

Cas: 64742-89-8
RTECS #: 1003161VN
Name: VM & P NAPHTHA; (ALIPHATIC PETROLEUM DISTILLATES); CONTAINS INGREDIENTS 5 & 6.
% Wt: 81
OSHA PEL: 300 PPM MFR
ACGIH TLV: 300 PPM MFR
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Cas: 1330-20-7
RTECS #: ZE2100000
Name: XYLENE  (SARA III)
% Wt: <8
OSHA PEL: 100 PPM
ACGIH TLV: 100 PPM
EPA Rpt Qty: 1000 LBS
DOT Rpt Qty: 1000 LBS
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Cas: 100-41-4
RTECS #: DA0700000
Name: BENZENE, ETHYL-; (ETHYL BENZENE) (SARA III)
% Wt: 2
OSHA PEL: 100 PPM
ACGIH TLV: 100 PPM
EPA Rpt Qty: 1000 LBS
DOT Rpt Qty: 1000 LBS
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Name: SUPDAT: AT LOCATIONS DISTANT FROM MATERIAL HANDLING POINT.
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Name: EFTS OF OVEREXP: PNEUMONITIS WHICH CAN BE FATAL.
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Name: FIRST AID PROC: WHICH CAN BE FATAL. INHAL: REMOVE TO FRESH AIR. IF BRTHG IS DFCLT, ADMIN OXYG. IF BRTHG HAS
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Name: ING 9: STOPPED GIVE ARTIFICIAL RESPIRATION. KEEP PERSON WARM, QUIET AND GET MEDICAL ATTENTION.
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Name: SPILL PROC: BEEN COMPLETED. STOP SPILL AT SOURCE. PVNT FROM ENTERING DRAINS, SEWERS, STREAMS/OTHER BODIES OF
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Name: ING 11: WATER. PVNT FROM SPREADING. IF RUNOFF OCCURS, NOTIFY AUTH AS REQ.
PUMP/VACUUM TRANSFER SPILLED PROD TO
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Name: ING 12: CLEAN CNTNRS FOR RECOVERY. ABSORB UNRECOVERABLE PROD. TRANSFER CONTAM ABSORB, SOIL & OTHER MATLS TO
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Name: ING 13: CNTNRS FOR DISP. PVNT RUN-OFF TO SEWERS. STREAMS/OTHER BODIES OF WATER. IF RUN-OFF OCCURS, NOTIFY PROPER
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Name: ING 14: AUTHORITIES AS REQUIRED, THAT A SPILL HAS OCCURED.
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Name: OTHER PREC: PRESENCE OF OBVIOUS IGNIT SOURCES, PUBLISHED "AUTOIGNIT"/"IGNIT" TEMP VALUES CANNOT BE TREATED AS
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Name: ING 16: SAFE OPERATING TEMPS IN CHEM PROCESSES W/O ANALYSIS OF ACTUAL PROCESS CNDTNS. ANY USE OF PROD IN
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Name: ING 17: ELEVATED TEMP PROCESSES SHOULD BE THORO EVALUATED TO ESTABLISH & MAINTAIN SAFE OPERATING CNDTNS.
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Name: ING 18: HYDROCARBON SOLVS ARE BASICALLY NON-CONDUCTORS OF ELECTRICITY & CAN BECOME ELECTROSTATICALLY CHARGED
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Name: ING 19: DURING MIX, FILTERING/PUMPING AT HIGH FLOW RATES. IF CHARGE REACHES A SUFFICIENTLY HIGH LEVEL, SF KS CAN
Name: ING 20: FORM THAT MAY IGNITE VAPORS OF FLAMMABLE LIQUIDS.

Name: RESP PROT: (SEE YOUR INDUS HYGIENIST). ENGINEERING/ADMIN CONTROLS SHOULD BE IMPLEMENTED TO REDUCE EXPOSURE.

Name: PROT GLOVES: SAFETY EQUIPMENT SUPPLIER).

Name: EYE PROT: W/ OSHA REGS ARE ADVISED; HOWEVER, OSHA REGS ALSO PERMIT OTHER TYPE SFTY GLASSES. CONSULT YOUR SFTY

Name: ING 24: REPRESENTATIVE.

Health Hazards Data

LD50 LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.
Route Of Entry Inds - Inhalation: YES
Skin: YES
Ingestion: NO
Carcinogenicity Inds - NTP: NO
IARC: NO
OSHA: NO

Effects of Exposure: NOTE: TOLUENE APPEARS ON NAVY LISTING OF OCCUP CHEM REPRO HAZS. SEEK CONSULTATION FROM APPROP HLTH PROFESSIONALS CONCERNING LATEST HAZ LIST INFO & SAFE HNDLG & EXPOS INFO (FP N). ACUTE: EYES: EXPOS TO LIQ/VAP MAY CAUSE MILD IRRIT. SYMPS MAY INCLUDE STINGING, TEARING & REDNESS. SKIN: MILD IRRIT. PRNLG/ (EFTS OF OVEREXP)

Explanation Of Carcinogenicity: NOT RELEVANT

Signs And Symptoms Of Overexposure: HLTH HAZS: RPTD EXPOS MAY DRY SKIN. SYMPS MAY INCLUDE REDNESS, BURNING, DRYING & CRACKING & BURNS.
INHAL: EXCESSIVE INHAL OF VAPS CAN CAUSE NASAL & RESP IRRIT, CNS EFTS INCLUDING DIZZ, WEAK, FATG, NAUS, HDCH & POSS UNCON & EVEN DEATH.
INGEST: GI IRRIT, NAUS, VOMIT & DIARR. ASPIR OF MATL INTO LUNGS CAN CAUSE CHEM

Medical Cond Aggravated By Exposure: NONE SPECIFIED BY MANUFACTURER.
First Aid: SKIN: REMOVE CONTAM CLTHG & LAUNDER BEFORE REUSE. WASH EXPOSED AREA W/ SOAP & WATER. IF SYMPS PERSIST, SEEK MED ATTN. EYES: MOVE AWAY FROM EXPOS & INTO FRESH AIR. FLUSH W/ CLEAN WATER FOR AT LEAST 15 MIN WHILE HOLDING EYELIDS APART. IF SYMPS PE RSIST, SEEK MED ATTN. INGEST: DO NOT INDUCE VOMIT, KEEP PERSON WARM, QUIET, & GET MED ATTN. ASPIR OF MATL INTO LUNGS DUE TO VOMIT CAN CAUSE CHEM PNEUM

Handling and Disposal

Spill Release Procedures: SM SPILL: ABSORB LIQ ON VERMICULITE, FLOOR
ABSORB/OTHER ABSORB MATL. LG SPILL: ELIM ALL IGNIT SOURCES (FLARES, FLAMES INCLUDING PILOT LIGHTS, ELEC SPKS). PERSONS NOT WEARING PROT EQUIP SHOULD BE EXCLUDED FROM AREA OF SPILL UNTIL CLEAN-UP HAS COMPLETED.
Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

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

Handling And Storage Precautions: CONTAINERS OF MATERIAL MAY BE HAZARDOUS WHEN EMTIED, SINCE EMTIED CONTAINERS RETAIN PRODUCT RESIDUES (VAPOR, LIQUID, AND/OR SOLID).

Other Precautions: ALL HAZ PREC GIVEN IN THIS DATASHEET MUST BE OBSERVED. WARNING!!! SUDDEN RELS OF HOT ORGANIC CHEM VAPS/MISTS FROM PROCESS EQUIPMENT AT ELEVATED TEMPS & PRESS/SUDDEN INGRESS OF AIR INTO VACUUM EQUIPMENT MAY RSLT IN IGNITS W/OUT

Fire and Explosion Hazard Information
Flash Point Text: >35°F, >2°C
Lower Limits: 0.9%
Extinguishing Media: REGULAR FOAM OR CARBON DIOXIDE OR DRY CHEMICAL.
Fire Fighting Procedures: WEAR NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT (FP N).
Unusual Fire/Explosion Hazard: NEVER USE WELDING/CUTTING TORCH ON/NEAR DRUM (EVEN EMPTY) BECAUSE PROD (EVEN JUST RESIDUE) CAN IGNITE EXPLOS. ALL FIVE GALLON PAILS & LGR METAL CTNRS (SUPDAT)

Control Measures

Respiratory Protection: IF WORKPLACE EXPOS LIM OF PROD/ANY COMPONENT IS EXCEEDED, A NIOSH/MSHA APPRVD AIR SUPPLIED RESP IS ADVISED IN ABSENCE OF PROPER ENVIRON CONTROL. OSHA REGS ALSO PERMIT OTHER NIOSH/MSHA RESPS (NEG-PRESS TYPE) UNDER SPECIFIED CNDTNs
Ventilation: PROVIDE SUFFICIENT MECHANICAL (GENERAL AND/OR LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).
Protective Gloves: WEAR RESIST GLOVES (CONSULT YOUR
Eye Protection: CHEM SPLASH GOGGS IN COMPLIANCE
Other Protective Equipment: TO PREVENT REPEATED OR PROLONGED SKIN CONTACT, WEAR IMPERVIOUS CLOTHING AND BOOTS. EYEWSH FNTN & DELUGE SHWR (FP N).
Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER.
Supplemental Safety and Health: EXPLO HAZ: INCLUDING TANK CARS & TANK TRUCKS SHOULD BE GROUNDED & OR BONDED WHEN MATL IS TRANSFERRED. MATL IS HIGHLY VOLATILE & READILY GIVES OFF VAPS WHICH MAY TRAVEL ALONG GROUND/BE MOVED BY VENT & IGNITED BY PILOT LIGHTS, OTHER FLAMES, SP KS, HEATERS, SMKG, ELEC MOTORS, STATIC DISCHARGE, OTHER IGNIT SOURCES

Physical/Chemical Properties

B.P. Text: ING 1
Vapor Pres: ING 1
Vapor Density: >1.00
Spec Gravity: 0.73
Evaporation Rate & Reference: SLOWER THAN ETHER
Appearance and Odor: NONE SPECIFIED BY MANUFACTURER.
Percent Volatiles by Volume: 100.00

Reactivity Data

Stability Indicator: YES
Stability Condition To Avoid: NONE SPECIFIED BY MANUFACTURER.
Materials To Avoid: AVOID CONTACT WITH STRONG OXIDIZING AGENTS.
Hazardous Decomposition Products: MAY FORM TOXIC MATERIALS; CARBON DIOXIDE AND CARBON MONOXIDE, VARIOUS HYDROCARBONS, ETC.
Hazardous Polymerization Indicator: NO
Conditions To Avoid Polymerization: NOT RELEVANT

Toxicological Information

Ecological Information

MSDS Transport Information

Regulatory Information
Other Information

HAZCOM Label

Product ID: ZIPPO BLEND 1  
Cage: 2W274  
Company Name: ZIPPO MFG CO  
Street: CONGRESS ST EXTENTION  
City: BRADFORDE PA  
Zipcode: 16701  
Health Emergency Phone: 814-362-4541  
Label Required IND: Y  
Date Of Label Review: 12/30/1994  
Status Code: C  
Label Date: 12/30/1994  
Origination Code: G  
Chronic Hazard IND: Y  
Eye Protection IND: YES  
Skin Protection IND: YES  
Signal Word: DANGER  
Respiratory Protection IND: YES  
Health Hazard: Moderate  
Contact Hazard: Moderate  
Fire Hazard: Severe  
Reactivity Hazard: None  

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