ORB INDUSTRIES INC -- WIREMOLD ENAMEL SPRAY, WE-S BUFF -- 8010-00N056924

MSDS Safety Information

FSC: 8010
MSDS Date: 07/01/1991
MSDS Num: BWLZJ
LIIN: 00N056924
Tech Review: 01/11/1995
Product ID: WIREMOLD ENAMEL SPRAY, WE-S BUFF
Responsible Party
Cage: 58890
Name: ORB INDUSTRIES INC
Address: 2 RACE ST
Box: 1067
City: UPLAND PA 19015 US
Info Phone Number: 215-874-2537
Emergency Phone Number: 215-874-2537
Preparer's Name: A.B. BASTIAN
Review Ind: N

Contractor Summary

Cage: 58890
Name: ORB INDUSTRIES INC
Box: 1067
City: BROOKHAVEN PA 19015-0067 US
Phone: 610-874-2537

Ingredients

<table>
<thead>
<tr>
<th>Cas</th>
<th>RTECS #</th>
<th>Name</th>
<th>VP</th>
<th>FL PT/METH</th>
<th>LEL</th>
<th>UEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>67-64-1</td>
<td>AL3150000</td>
<td>ACETONE (SARA 313) (CERCLA)</td>
<td>185 @ 20C</td>
<td>-4F,-20C/TCC</td>
<td>2.6%</td>
<td>12.8%</td>
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<tr>
<td></td>
<td></td>
<td>% by Wt: 25-30</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>OSHA PEL: 1000 PPM</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>ACGIH TLV: 750 PPM; 1000 STEL</td>
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<tr>
<td></td>
<td></td>
<td>EPA Rpt Qty: 5000 LBS</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>DOT Rpt Qty: 5000 LBS</td>
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<tr>
<td></td>
<td></td>
<td>Ozone Depleting Chemical: N</td>
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<tr>
<td>123-86-4</td>
<td>AF7350000</td>
<td>ACETIC ACID, BUTYL ESTER; (BUTYL ACETATE) (CERCLA)</td>
<td>10 @ 20C</td>
<td>81F,27.2C(TCC)</td>
<td>1.7%</td>
<td>9.8%</td>
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<tr>
<td></td>
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<td>% by Wt: 4-6</td>
<td></td>
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<tr>
<td></td>
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<td>OSHA PEL: 150 PPM</td>
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<tr>
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<td></td>
<td>ACGIH TLV: 150 PPM; 200 STEL</td>
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<td>EPA Rpt Qty: 5000 LBS</td>
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<tr>
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<td></td>
<td>DOT Rpt Qty: 5000 LBS</td>
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<td></td>
<td>Ozone Depleting Chemical: N</td>
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<tr>
<td>78-93-3</td>
<td>EL6475000</td>
<td>2-BUTANONE; (METHYL ETHYL KETONE) (MEK) (SARA 313) (CERCLA)</td>
<td>75 @ 20C</td>
<td>23F,-5C(TCC)</td>
<td>1.8%</td>
<td>11.5%</td>
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<td></td>
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<td>% by Wt: 2-3</td>
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<td></td>
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<td>OSHA PEL: 200 PPM</td>
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<td></td>
<td></td>
<td>ACGIH TLV: 200 PPM; 300 STEL</td>
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</tbody>
</table>
EPA Rpt Qty: 5000 LBS
DOT Rpt Qty: 5000 LBS
Ozone Depleting Chemical: N

Cas: 64742-88-8
Name: VM&P NAPHTHA. VP: 45 @ 20C. FL PT/METH: 52F,11.1C (TCC). LEL: 1.1%. UEL: 5.0%
% by Wt: 2-3
OSHA PEL: N/K (FP N)
ACGIH TLV: N/K (FP N)
Ozone Depleting Chemical: N

Cas: 64742-88-7
Name: MINERAL SPIRITS. VP: 5 @ 20C. FL PT/METH: 108F,42C (TCC). LEL: 0.7%. UEL: 6%
% by Wt: 2-3
OSHA PEL: N/K (FP N)
ACGIH TLV: N/K (FP N)
Ozone Depleting Chemical: N

Cas: 64742-95-6
RTECS #: WF3400000
Name: SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC; (AROMATIC HYDROCARBONS). VP: 5 @ 20C.
% by Wt: <1
OSHA PEL: N/K (FP N)
ACGIH TLV: N/K (FP N)
Ozone Depleting Chemical: N

Cas: 68476-85-7
RTECS #: SE7545000
Name: PETROLEUM GAS (LIQUEFIED); (PROPANE/ISOBUTANE (PROPELLANT)). VP: 3691 @ 20C. FL PT/METH: -138F,-94C. LEL:2%. UEL:10%
% by Wt: 25
OSHA PEL: 1000 PPM
ACGIH TLV: 1000 PPM
Ozone Depleting Chemical: N

Cas: 108-88-3
RTECS #: XS5250000
Name: TOLUENE (SARA 313) (CERCLA). VP: 38 @20C. FL PT/METH: 45F,7.2C (TCC). LEL: 1.8%. UEL: 10%
% by Wt: 4-5
OSHA PEL: 200 PPM
ACGIH TLV: 50 PPM, S
EPA Rpt Qty: 1000 LBS
DOT Rpt Qty: 1000 LBS
Ozone Depleting Chemical: N

Cas: 1330-20-7
RTECS #: ZE2100000
Name: XYLENE  (SARA 313) (CERCLA)   VP: 9.5 @ 20C. FL PT: 80F,26.7C. LEL: 1.0%. UEL: 7.0%
% by Wt: 4-5
OSHA PEL: 100 PPM
ACGIH TLV: 100 PPM; 150 STEL
EPA Rpt Qty: 1000 LBS
DOT Rpt Qty: 1000 LBS
Ozone Depleting Chemical: N
Cas: 13463-67-7
RTECS #: XR2275000
Name: TITANIUM OXIDE; (TITANIUM DIOXIDE)
% by Wt: 1
OSHA PEL: 15 MG/M3 TDUST
ACGIH TLV: 10 MG/M3 TDUST
Ozone Depleting Chemical: N

Name: SUPDAT: HAVE NOT SHOWN ANY SIGNIFICANT INCRS OF KIDNEY DMG NOR
KIDNEY/LIVER TUMORS. EXTREMELY HIGH CONCS OF (ING 12)

Name: ING 11: BUTYL ACETATE HAVE CAUSED BLOOD CHANGES & WEAKNESS IN LAB
ANIMALS. VERY HIGH CONC OF METHYL ETHYL KETONE (ING 13)

Name: ING 12: HAVE CAUSED EMBRYOTOXIC EFTS IN LAB ANIMALS. REPORTS HAVE
ASSOC RPTD & PRLNG OVEREXP TO SOLVS W/PERM (ING 14)

Name: ING 13: BRAIN & NERVOUS SYSTEM DAMAGE.

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

Effects of Exposure: EYES: MAY CAUSE MOD EYE IRRIT & MOD CORNEAL INJURY.
VAPS MAY IRRIT EYES. SKIN: PRLNG CNTCT MAY CAUSE IRRIT, DEFAT. INHAL:
MAY CAUSE NOSE & THROAT IRRIT. MAY CAUSE NERVOUS SYS DEPRESS CHARACT BY
FOLLOWING PROGRESSIVE STEPS:HDCH, DIZZ, NAUS,STAG GAIT, CONFUSN, UNCON.
INGEST: IF ASPIR (LIQ ENTERS LUNGS), EFTS OF OVEREXP
Explanation Of Carcinogenicity: NOT RELEVANT

Signs And Symptoms Of Overexposure: HLTH HAZ: IT MAY BE RAPIDLY ABSORBED
THRU LUNGS & RSLT IN INJURY TO OTHER BODY SYS. GI DISTRESS. CHRONIC:
TOLUENE APPEARS ON NAVY LIST OF OCCUP CHEM REPRO HAZS. SEEK CONSULTATION
FROM APPROPR HLTH PROF ESSIONALS CONCERNING LATEST HLTH HAZ INFO & SAFE
HNDLG & EXPOS INFO (FP N). LAB STUDIES W/RATS HAVE SHOWN THAT (SUPDAT)

Medical Cond Aggravated By Exposure: NONE SPECIFIED BY MANUFACTURER.
First Aid: INHAL: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE
MOUTH-TO-MOUTH RESUSCITATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.
CALL MD. EYES: FLUSH W/FLOWING WATER IMMEDIATELY FOR AT LEAST
15 MIN. CONSULT MEDICAL PERSONNEL. SKIN: WASH OFF IN FLOWING WATER OR
SHOWER. REMOVE CONTAMD CLTHG & WASH BEFORE REUSE. IF IRRIT PERSISTS,
CALL MD. INGEST: DO NOT INDUCE VOMITING. CALL MD.

Handling and Disposal
Spill Release Procedures: SMALL SPILLS: REMOVE IGNITION SOURCES. MOP UP,
WIPE UP OR SOAK UP IMMEDIATELY. USE PROPER PROTECTIVE EQUIPMENT. LARGE
SPILLS: EVACUATE AREA. REMOVE IGNITION SOURCES. CONTAIN LIQUID &
TRANSFER TO CLOSE D CONTAINERS; KEEP OUT OF WATER SUPPLIES.
Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.
Waste Disposal Methods: DISPOSE IN ACCORDANCE WITH FEDERAL, STATE AND
LOCAL REGULATIONS. DO NOT INCINERATE CLOSED OR EMPTY CONTAINERS.
Handling And Storage Precautions: DO NOT STORE ABOVE 120F. AVOID BREATHING
VAPORS. VAPORS ARE HEAVIER THAN AIR & WILL COLLECT IN LOW AREAS. AVOID
PROLONGED/REPEATED CONTACT WITH SKIN.
Other Precautions: CONTENTS UNDER PRESSURE. DO NOT PUNCTURE OR INCINERATE.
EXTREMELY FLAMMABLE.

Fire and Explosion Hazard Information

Flash Point Method: TCC
Flash Point Text: -138°F, -94°C
Lower Limits: SEE INGS
Upper Limits: SEE INGS
Extinguishing Media: CARBON DIOXIDE, FOAM, DRY CHEMICAL.
Fire Fighting Procedures: USE NIOSH/MSHA APPROVED SCBA & FULL PROT EQUIP (FP N). WATER MAY BE USED TO COOL CLSD CNTNRS TO PVNT PRESS BUILDUP & POSS BURSTING WHEN EXPOS TO HIGH TEMPS.

Unusual Fire/Explosion Hazard: EXTREMELY FLAMMABLE. CONTENTS UNDER PRESSURE. DO NOT USE OR STORE NEAR HEAT OR IGNITION SOURCES. CONTAINERS MAY BURST AT TEMPERATURES ABOVE 130°F.

Control Measures

Respiratory Protection: NIOSH/MSHA APPROVED ORGANIC VAPOR TYPE RESPIRATOR IS REQUIRED IN ABSENCE OF PROPER ENVIRONMENTAL CONTROL.
Ventilation: LOCAL EXHAUST: TO KEEP BELOW TLV. MECHANICAL (GENERAL): TO KEEP BELOW TLV. SPECIAL: NONE. OTHER: NONE.
Protective Gloves: SOLVENT RESISTANT, IMPERVIOUS GLOVES.
Eye Protection: ANSI APPROVED CHEM WORKERS GOGGLES (FP N).
Other Protective Equipment: NONE REASONABLY FORESEEABLE.
Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER.
Supplemental Safety and Health: BP: CONC: >132°F, 56°C; PROPELLANT: -16.4°F, -27°C. SPEC GRAV (H2O = 1): CONC: 0.87; PROPELLANT: 0.54. APPEAR/ODOR: PACKAGE: PRESS CNTNRS. EFTS OF OVEREXP: PETRO DISTLS CAUSE KIDNEY DMG & KIDNEY/LIVER TUMORS. EFTS WERE NOT SEEN IN SIMILAR STUDIES W/GUINEA PIGS, DOGS/MONKEYS. SEVERAL STUDIES EVALUATING PETRO WORKERS (ING 11)

Physical/Chemical Properties

B.P. Text: SUPDAT
Vapor Pres: SEE INGS
Vapor Density: >1
Spec Gravity: SUPDAT
Evaporation Rate & Reference: >1 (BA=1)
Solubility in Water: SLIGHT
Appearance and Odor: CONC: LIQ W/CHARACT ODOR. PROPELLANT: CLEAR, ODORLESS GAS. FINISHED (SUPDAT)
Percent Volatiles by Volume: 83

Reactivity Data

Stability Indicator: YES
Stability Condition To Avoid: AVOID ANY IGNITION SOURCES. AVOID EXCESSIVE HEAT.
Materials To Avoid: NITRIC PLUS ACETIC ACIDS; NITRIC PLUS SULFURIC ACID; AMINES; STRONG OXIDIZING AGENTS.
Hazardous Decomposition Products: CARBON MONOXIDE, CARBON DIOXIDE.
Hazardous Polymerization Indicator: NO
Conditions To Avoid Polymerization: NOT RELEVANT

Toxicological Information

Ecological Information

http://www2.siri.org/msds/f2/bwl/bwlzj.html
HAZCOM Label

Product ID: WIREMOLD ENAMEL SPRAY, WE-S BUFF
Cage: 58890
Company Name: ORB INDUSTRIES INC
PO Box: 1067
City: BROOKHAVEN PA
Zipcode: 19015-0067 US
Health Emergency Phone: 215-874-2537
Date Of Label Review: 01/11/1995
Label Date: 01/11/1995
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

Hazard And Precautions: FLAMMABLE. ACUTE: EYES: MODERATE IRRITATION & CORNEAL INJURY. SKIN: PROLONGED CONTACT MAY CAUSE IRRITATION, DEFATTING. INHAL: NOSE & THROATE IRRITATION; NERVOUS SYSTEM DEPRESSION WITH HEADACHE, DIZZIN ESS, NAUSEA, STAGGERING GAIT, CONFUSION, UNCONSCIOUSNESS. INGEST: IF ASPIRATED INTO LUNGS MAY INJURE OTHER BODY SYSTEMS. GI DISTRESS. CHRONIC: TOLUENE APPEARS ON THE NAVY OCCUPATIONAL CHEMICAL REPRO CTIVE HAZARDS LIST (FP N). REPORTS ASSOCIATE OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN & NERVOUS SYSTEM DAMAGE. LAB STUDIES WITH RATS SHOW KIDNEY/LIVER EFFECTS.

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