

ENTHONE-OMI INC -- ACTANE 70 -- 6810-01-317-8041

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

Product ID:ACTANE 70
MSDS Date:08/04/1998
FSC:6810
NIIN:01-317-8041
Status Code:A
MSDS Number: CKFHF
=== Responsible Party ===
Company Name:ENTHONE-OMI INC
Box:1900
City:NEW HAVEN
State:CT
ZIP:06508
Country:US
Info Phone Num:203-934-8611
Emergency Phone Num:(800)424-9300
Resp. Party Other MSDS Num.:2702
Preparer's
Name:JAMES P. LINK
Chemtrec Ind/Phone:(800)424-9300
CAGE:GO075
=== Contractor Identification ===
Company Name:ENTHONE-OMI INC
Box:1900
City:NEW HAVEN
State:CT
ZIP:06508
Country:US
Phone:203-934-8611/203-799-8179
CAGE:GO075
Company Name:ENTHONE-OMI INC.
Address:Box:1900
City:NEW HAVEN
State:CT
ZIP:06508
Country:US
Phone:203-934-8611/ FAX 203-799-8179
Contract Num:SP0450-00-M-D754
CAGE:02258

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

Ingred Name:AMMONIUM BIFLUORIDE
CAS

:1341-49-7
RTECS #:BQ9200000
< Wt:100.
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

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Hazards Identification
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LD50 LC50 Mixture:NONE SPECIFIED BY RESPONSIBLE PARTY.
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHALATION: INHALATION OF DUST CAUSES SEVERE IRRITATION OF UPPER RESPIRATORY TRACT. SKIN CONTACT: CAN CAUSE SEVERE IRRITATION AND FLUORIDE-LIKE BURNS WHICH MAY NOT BE IMMEDIATELY EVIDENT. EYE CONTACT: CAUSES BURNS WITH DAMAGE TO EYES AND POSSIBLE BLINDNESS. INGESTION: MAY BE FATAL. CAN CAUSE FLUORIDE POISONING AND INTERNAL BLEEDING. CHRONIC: IRRITATION OF EYES, SKIN AND MUCOUS MEMBRANES.
Explanation of Carcinogenicity:NOT LISTED NY NTP, IARC, OSHA.
Effects of Overexposure:INHALATION: INHALATION OF DUST CAUSES SEVERE IRRITATION OF UPPER RESPIRATORY TRACT. SKIN CONTACT: CAN CAUSE SEVERE IRRITATION AND FLUORIDE-LIKE BURNS WHICH MAY NOT BE IMMEDIATELY EVIDENT. EYE CONTACT: CAUSES BURNS WITH DAMAGE TO EYES AND POSSIBLE BLINDNESS. INGESTION: MAY BE FATAL. CAN CAUSE FLUORIDE POISONING AND INTERNAL BLEEDING. CHRONIC: IRRITATION OF EYES, SKIN AND MUCOUS MEMBRANES.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY RESPONSIBLE PARTY.

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First Aid Measures
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First Aid:GET IMMEDIATE MEDICAL HELP FOR ALL CASES OF EXPOSURE. SKIN: IMMEDIATELY WASH CONTAMINATED SKIN WITH PLENTY OF LUKEWARM GENTLY RUNNING WATER FOR AT LEAST 20 MINUTES, THEN SOAK AREA WITH ICED WATER SOLUTION OF HYAMINE 1622 OR ICED 0.13% SOLUTION OF ZEPHARIN. EYES: IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 20 MINUTES THEN APPLY 1-2 DROPS OF 0.5% SOLUTION PONTOCAINE HYDROCHLORIDE. INGESTION: NOTHING BY MOUTH IF UNCONSCIOUS. DO NOT INDUCE VOMITING! RINSE MOUTH WITH WATER. VICTIM DRINK 8-10 OZ OF 10% CALCIUM GLUCONATE SOLUTION. INHALED: REMOVE FROM EXPOSURE & RESTORE BREATHING. SEEK MEDICAL AT

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

Extinguishing Media:THIS PRODUCT IS NOT COMBUSTIBLE. AS REQUIRED FOR SURROUNDING FIRE.

Fire Fighting Procedures:KEEP CONTAINER COOL. CONTACT WITH WATER MAY GENERATE CORROSIVE HYDROFLUORIC ACID.

Unusual Fire/Explosion Hazard:DECOMPOSES ABOVE 447F RELEASING TOXIC AND CORROSIVE HYDROGEN FLUORIDE GAS AND AMMONIA.

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

Spill Release Procedures:A

VOID CONTACT WITH SKIN, EYES & CLOTHES. WEAR PROTECTIVE EQUIPMENT. CAREFULLY SWEEP OR SHOVEL SPILLED MATERIAL INTO CLEAN STEEL DRUM & COVER. CAREFULLY FLUSH SPILL AREA WITH WATER & NEUTRALIZE DILUT E RESIDUE WITH ALKALI SUCH AS SODA ASH, LIME OR LIMESTONE & RECOVER RESULTANT SOLUTION OR SLURRY FOR DISPOSAL. KEEP OUT OF SEWER. DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE & FEDERAL REGULATIONS.

Neutralizing Agent:SODIUM BICARBONATE, SODA LIME, SODA ASH.

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=== Handling and Storage =====

Handling and Storage Precautions:STORE IN COOL, DRY PLACE. KEEP AWAY FROM STRONG ACIDS AND ALKALINE COMPOUNDS. LOOSEN COVER CAUTIOUSLY WHEN OPENING. DO NOT STORE IN ALUMINUM OR GLASS CONTAINERS.

Other Precautions:WASH THOROUGHLY AFTER HANDLING.

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

Respiratory Protection:IUSE NIOSH-APPROVED RESPIRATOR WHEN AIR CONCENTRATION IS GREATER THAN THE TLV OR PEL. USE CARTRIDGE FILTER FOR FLUORIDES.

Ventilation:LOCAL EXHAUST RECOMMENDED.

Protective Gloves:NEOPRENE.

Eye Protection:CHEMICAL SAFETY GOGGLES RECOMMENDED. FACE SHIELD RECOMMENDED.

Other Protective Equipment:CHEMICALLY RESISTANT COVERALLS, HAT, AND SHOES OR BOOTS. EMERGENCY EYE WASH AND SAFETY SHOWER SHOULD BE AVAILABLE.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

NO DATA PROVIDED BY RESPONSIBLE PARTY. NOTE: N/A=NOT APPLICABLE.

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===== Phy

sical/Chemical Properties =====

HCC:C1

Melt/Freeze Pt:=125.6C, 258.F

Spec Gravity:NI

Evaporation Rate & Reference:NON VOLATILE

Solubility in Water:VERY SOLUBLE

Appearance and Odor:WHITE POWDER - SLIGHTLY ACIDIC ODOR

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

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS, STRONG BASES.

Stability Condition to Avoid:STABLE UNDER NORMAL CONDITIONS.

Hazardous Decomposition Products:HYDROGEN FLUORIDE, AMMONIA.

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

Toxicological Information:NONE.

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

Ecological:ECOLOGICAL INFORMATION ON THIS PRODUCT IS NOT AVAILABLE.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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

Transport Information:PLE

PLEASE CONTACT THE REGULATORY AFFAIRS DEPARTMENT

AT 203-799-4917 FOR THE MOST CURRENT SHIPPING INFORMATION.

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

SARA Title III Information:THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT TO KNOW ACT OF 1986 AND OF 40 CFR 372: AMMONIUM BIFLUORIDE, CAS # 1341-49-7,