

POLYSCIENCE -- 211C-1, HEXANE -- 6810-00-949-0257

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Product Identification
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Product ID:211C-1, HEXANE
MSDS Date:03/01/1992
FSC:6810
NIIN:00-949-0257
MSDS Number: BTHWB
=== Responsible Party ===
Company Name:POLYSCIENCE
Address:7800 MERRIMAC AVE
City:NILES
State:IL
ZIP:60648
Country:US
Emergency Phone Num:708-965-0611
CAGE:IO526

==== Contractor Identification ====

Company Name:POLYSCIENCE
A
Address:7800 MERRIMAC AVE
Box:City:NILES
State:IL
ZIP:60714
Country:US
Phone:708-965-0611
CAGE:IO526
Company Name:POLYSCIENCE CORP
Address:7800 N MERRIMAC AVE
Box:48312
City:NILES
State:IL
ZIP:60714-3426
Country:US
Phone:708-965-0611
CAGE:58378

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Composition/Information on Ingredients
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Ingred Name:HEXANE (N-HEXANE)
CAS:110-54-3
RTECS #:MN9275000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:500 PPM
ACGIH TLV:50 PPM; 9394
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

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Hazards Identification
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LD50 LC50 Mixture:ORAL LD50 (RAT) IS 2870 MG/KG

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:HARMFUL IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN. VAPOR OR MIST IS IRRITATING TO THE EYS, MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT. CAUSES SKIN IRRITATION. MAY CAUSE NERVOUS SYSTEM DISTURBAN CES.

Explanation of Carcinogenicity:NOT CARCINOGENIC.

Effects of Overexposure:EXPOSURE CAN CAUSE: COUGHING, CHEST PAINS, DIFFICULTY BREATHING AND EDEMA WHICH MAY BE FATAL. GASTROINTESTINAL DISTURBANCES, NAUSEA, HEADACHE, AND VOMITING.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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First Aid Measures
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First Aid:IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES OR SKIN WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHIN

G/SHOES. IF INHALED, REMOVE TO FRESH AIR. IF

NOT BREATHING G IVE ARTIFICIAL RESPIRATION. IF BREATHING IS

DIFFICULT, GIVE OXYGEN. IF SWALLOWED, WASH OUT MOUTH WITH WATER

PROVIDED PERSON IS CONSCIOUS. CALL A PHYSICIAN. WASH CONTAMINATED CLOTHING BEFORE REUSE.

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Fire Fighting Measures
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Flash Point:=-23.3C, -10.F

Autoignition Temp:=-250.C, 482.F

Lower Limits:1.2

Upper Limits:7.7

Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPR OPIATE FOAM.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.

Unusual Fire/Explosion Hazard:VAPOR MAY TRAVEL CONSIDERABLE DISTANCE TO SOURCE OF IGNITION AND FLASHBACK. CONTAINER EXPLOSION MAY OCCUR UNDER FIRE CONDITIONS. EXTREMELY FLAMMABLE.

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Accidental Release Measures
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Spill Release Procedures:EVACUATE AREA. SHUT OFF SOURCE OF IGNITION. WEAR SELF-CONTAINED

BREATHING APPARATUS, RUBBER BOOTS AND HEAVY RUBBER GLOVES. COVER WITH ACTIVATED CARBON ADSORBENT, TAKE UP AND PLACE IN CLOSED CONTAINER. TRANSPORT OUTDOORS. VENT AREA AND WASHAREA.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:KEEP TIGHTLY CLOSED. KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAMES. STORE IN COOL, DRY PLACE. KEEP AWY FROM SOURCES OF IGNITION. NO SMOKING.

Other

Precautions:KEEP CONTAINER IN WELL VENTILATED PLACE. DO NOT BREATHE VAPORS. DANGER OF SERIOUS DAMAGE TO HEALTH BY PROLONGED EXPOSURE. NEUROLOGICAL HAZARD. HARMFUL VAPORS.

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

Respiratory Protection:WEAR APPROPRIATE NIOSH-MSHA-APPROVED RESPIRATOR.

Ventilation:USE ONLY IN A CHEMICAL FUME HOOD. DO NOT BREATHE VAPOR.

Protective Gloves:CHEMICAL RESISTANT GLOVES.

Eye Protection:SAFETY GOGGLES.

Other Protective Equipment:OTHER P ROTECTIVE CLOTHING.

Work Hygienic Practices:AVOID CONTACT WITH EYE, SKIN AND CLOTHING. WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health IRRITANT. NEUROLOGICAL HAZARD.

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

HCC:F2

Boiling Pt:=68.9C, 156.F

Melt/Freeze Pt:=-95.C, -139.F

Vapor Pres:132 MM

Vapor Density:3

Spec Gravity:0.659

Appearance and Odor:COLORLESS LIQUID.

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

Stability Indicator/M

aterials to Avoid:YES

OXIDIZING AGENTS

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products:TOXIC FUMES OF CARBON MONOXIDE, CARBON DIOXIDE.

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

Waste Disposal Methods:BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER BUT EXERT EXTRA CARE IN IGNITING AS THIS MATERIAL IS HIGHLY FLAMMABLE. OBSERVE ALL LOCAL, STATE AND FEDERAL LAWS.

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