

SHAPE PRODUCTS -- ISOPROPYL ALCOHOL -- 6810-00-227-0410

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

Product ID:ISOPROPYL ALCOHOL
MSDS Date:11/20/1985
FSC:6810
NIIN:00-227-0410
MSDS Number: BTHSZ
=== Responsible Party ===
Company Name:SHAPE PRODUCTS
Address:1127 57TH AVE.
City:OAKLAND
State:CA
ZIP:94621-4427
Country:US
Info Phone Num:510-534-1186/FAX 510-534-1862
Emergency Phone Num:510-534-1186
CAGE:3D869

=== Contractor Identification ===

Company Name:SHAPE PRODUCTS
Address:1127 57TH AVE.
Box:City:OAKLAND
State:CA
ZIP:94621-4427
Country:US
Phone:510-534-1186 OR 800-444-0015
CAGE:3D869

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

Ingred Name:ISOPROPYL ALCOHOL (SARA III)
CAS:67-63-0
RTECS #:NT8050000
Fraction by Wt: 100%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:400 PPM
ACGIH TLV:400 PPM/500STEL;9394

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:INHALED-RESPIRATORY TRACT IRRITATION.
CONTACT WITH SKIN OR EYES-SKIN IRRITATION. SWALLOWED-ALL SYMPTOMS
LISTED UNDER HEALTH EFFECTS.

Explanation of Carcinogenicity:THIS PRODUCT'S INGREDIENTS ARE NOT FOUND
IN THE LIST ABOVE.

Effects of Overexposure:ACUTE: MAY CAUSE EYE, NOSE, RESPIRATORY TRACT,
AND SKIN IRRITATION. HEADACHE, DIZZINESS, DRO
WSINESS, AND NAUSEA
ARE ALSO SYMPTOMS OF OVEREXPOSURE. HIGH CONCENTRATIONS MAY PRODUCE
NARCOSIS. CHRONIC: LO NG TERM EXPOSURE MAY LEAD TO DERMATITIS.

Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN DISORDERS AND
RESPIRATORY DISEASE.

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

First Aid:EYE-WASH WITH LARGE AMOUNTS OF WATER. IF IRRITATION PERSISTS,
GET MEDICAL ATTENTION. SKIN-IF SOAKES THROUGH CLOTHING, REMOVE
IMMEDIATELY AND WASH SKIN USING SOA
P & WATER OR MIOLD DETERGENT.
INHALED-MO VE THE PERSON TO FRESH AIR AT ONCE. KEEPWARM & AT REST.
IF BREATHING STOPS GIVE CPR. IF UNCONSCIOUS GOVE OXYGEN. GET
MEDICAL ATTENTION. SWALLOWED-INDUCE VOMITING GIVE 2 GLASSES OF
WATER. SEE DOCTOR.

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

Flash Point Method:TCC
Flash Point:53.0F,11.7C
Autoignition Temp:Autoignition Temp Text:750F
Lower Limits:2
Upper Limits:12
Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL,
ALCOHOL FOAM.
Fire Fighting Procedures:A STRAIGHT WATER STREAM WOULD SPREAD FIRES.
SELF-CONTAINED BREATHING APPARATUS OPERATED IN PRESSURE-DEMAND OR
OTHER POSITIVE PRESSURE MODE.
Unusual Fire/Explosion Hazard:A VAPOR ACCUMULATION WOULD FLASH OR
EXPLODE IF IGNITED.

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

Spill Release Procedures:REMOVE ALL POSSIBLE IGNITION SOURCES.
VENTILATE AREA OF SPILL OR LEAK. FOR SMALL QUANTITIES, ABSORB ON
PAPER TOWELS. EV

APORATE IN A SAFE PLACE (SUCH AS FUME HOOD).

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

Handling and Storage Precautions:STORE IN COOL, WELL VENTILATED AREA.
GROUND CONTAINERS WHEN FILLING OR EMPTYING. DO NOT WELD, HEAT OR
DRILL ON OR NEAR CONTAINER.

Other Precautions:EMPTY CONTAINERS CAN HAVE RESIDUES, GASES AND MISTS
AND ARE SUBJECT TO PROPER WASTE DISPOSAL.

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

Respiratory Protection:ABOVE
400 PPM NEED SELF-CONTAINED BREATHING
APPARATUS. ONLY NIOSH-APPROVED OR MSHA-APPROVED EQUIPMENT SHOULD BE
USED.

Ventilation:NEED EQUIVALENT TO OUTDOORS VENTILATION. USE EXPLOSION
PROOF EQUIPMENT.

Protective Gloves:SHOULD BE IMPERVIOUS TO CHEMICALS.

Eye Protection:SPLASH-PROOF SAFETY GOGGLES.

Other Protective Equipment:APPROPRIATE PROTECTIVE CLOTHING NECESSARY TO
PREVENT REPEATED OR PROLONGED SKIN CONTACT SHOULD BE WORN.

Work Hygienic Practices:EYE BATH AND SAFETY SHOWER SHOULD BE
AVAILABLE

TO EMPLOYEES

Supplemental Safety and Health

SOLVENT RESISTANT BOOT SHOULD BE WORN. GROUND CONTAINERS WHEN FILLING
OR EMPTYING.

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

HCC:F2

Boiling Pt:=82.2C, 180.F

Melt/Freeze Pt:=-88.9C, -128.F

Vapor Pres:33 MM

Spec Gravity:0.78

Evaporation Rate & Reference:2.83

Solubility in Water:COMPLETE

Appearance and Odor:WATER WHITE LIQUID, MILD ALCOHOLIC ODOR.

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

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Stability Indicator/Materials to Avoid: YES

AVOID STRONG OXIDIZING AGENTS, MINERALS ESPECIALLY WITH SULPHURIC ACIDS
OR CONC. NITRIC ACIDS, HALOGENS, ALKYLENE OXIDES

Stability Condition to Avoid: CONTAINERS MAY BURST AT ELEVATED
TEMPERATURES. DO NOT STORE IN ALUMINUM VESSELS.

Hazardous Decomposition Products: TOXIC GASES AND VAPORS INCLUDING
CARBON DIOXIDE AND CARBON MONOXIDE MAY BE PRESENT.

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

Waste Disposal

Methods: BURN PAPER IN A SUITABLE LOCATION AWAY FROM
COMBUSTIBLE MATERIALS. DISPOSE OF ALL WASTES IN ACCORDANCE WITH
LOCAL, STATE AND FEDERAL REGULATIONS.

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