

STERLING-CLARK-LURTON CORP -- 4012, ISOPROPANOL, 99% -- 6810-00-983-8551

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

Product ID:4012, ISOPROPANOL, 99%

MSDS Date:02/08/1990

FSC:6810

NIIN:00-983-8551

MSDS Number: BZNSK

=== Responsible Party ===

Company Name:STERLING-CLARK-LURTON CORP

Address:184 COMMERCIAL ST

City:MALDEN

State:MA

ZIP:02148

Country:US

Info Phone Num:617-322-0163

Emergency Phone Num:617-322-0

163;800-424-9300(CHEMTREC)

CAGE:0C5E2

=== Contractor Identification ===

Company Name:CHEM SCIENTIFIC INC

Address:1250 WASHINGTON ST

Box:City:NORWOOD

State:MA

ZIP:02062

Country:US

Phone:781-440-0900

CAGE:0X801

Company Name:ELECTRONIC SPACE SYSTEMS CORP DBA ESCO

Address:OLD POWDER MILL RD

Box:City:CONCORD

State:MA

ZIP:01742

Country:US

Phone:978-369-7200 /FAX: 978-369-7641

CAGE:15175

Company Name:STERLING-CLARK-LURTON CORP

Address:184 COMMERCIAL ST

Box:J

City:MALDEN

State:MA

ZIP:02148

Country:US

Ph

one:617-322-0163
CAGE:0C5E2

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

Ingred Name:ISOPROPYL ALCOHOL (SARA 313)
CAS:67-63-0
RTECS #:NT8050000
Fraction by Wt: 100%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:400 PPM
ACGIH TLV:400 PPM/500STEL;9495

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

LD50 LC50 Mixture:PRODUCT'S LD50 (ORAL RAT) WAS NOT STATED
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IAR
C:NO OSHA:NO
Health Hazards Acute and Chronic:EYE: IRRITATION, AND WILL INJURE EYE
IF NOT REMOVED PROMPLY. SKIN: PROLONGED OR REPEATED SKIN
CONTACT:IRRITATION & DERMATITIS. LOW ORDER OF TOXICITY. INHALATION:
HIGH CONCENTRATIONS ARE IRRITATING TO RESPIRATORY TRACT, MAY CAUSE
HEADACHES & DIZZINESS, ARE ANESTHETIC AND MAY HAVE OTHER CNS
EFFECTS. NEGLIGIBLE HAZARD AT AMBIENT TEMPERATURE. INGESTION:
MINIMAL TOXICITY. SMALL AMOUNTS ASPIRATED INTO RE SPIRATORY SYSTEM
DURING
INGESTION OR FROM VOMITING, MAY CAUSE BRONCHOPNEUMONIA OR
PULMONARY EDEMA.
Explanation of Carcinogenicity:MANUFACTURER GAVE NO INFORMATION ABOUT
CARCINOGENICITY.
Effects of Overexposure:EYE:IRRITATION. PROLONGED &/OR REPEATED SKIN
CONTACT:IRRITATION, DERMATITIS. INHALATION:RESPIRATORY IRRITATION,
HEADACHE, DIZZINESS, ANESTHETIC & CNS EFFECTS. INGESTION:MINIMAL
TOXICITY. ASPIRATION HA ZARD DURING VOMITING.
Medical Cond Aggravated by Exposure:NONE KNOWN..

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

First Aid:IF IRRITATION PERSISTS OR IS SEVERE, GET MEDICAL ATTENTION.
EYE:FLUSH W/WATER FOR 15 MIN. SKIN:WASH W/SOAP & WATER. REMOVE
CONTAMINATED CLOTHING & LAUNDER BEFORE REUSE. INHALED:USE
RESPIRATORY PROTECT ION. REMOVE FROM EXPOSURE. AID OR RESTORE
BREATHING AS NEEDED. KEEP AT REST & GET IMMEDIATE MEDICAL
ATTENTION. INGESTED:DO NOT INDUCE VOMITING. KEEP AT REST & GET
IMMEDIATE MEDICAL ATTENTION.

=====

Fire Fighting Measures =====

Flash Point Method:TCC

Flash Point:=12.2C, 54.F

Autoignition Temp:=350.C, 662.F

Lower Limits:2.0

Upper Limits:12.0

Extinguishing Media:USE WATER SPRAY (FOG), FOAM, CARBON DIOXIDE, DRY CHEMICAL. PLAN FIRE RESPONSE IN CONSULTATION W/LOCAL FIRE AUTHORITIES.

Fire Fighting Procedures:WATER MAY BE INEFFECTIVE, BUT MAY BE USED TO COOL FIRE EXPOSED CONTAINERS. USE SELF-CONTAINED BREATHING APPARATUS IN CONFINED SPACES OR AS OTHERWISE NEEDED.

Unusual Fire/Explosion Hazard:"EMPTY" CONTAINERS RETAIN RESIDUE & CAN IGNITE EXPLOSIVELY. DO NOT CUT, DRILL, OR WELD ON OR NEAR FULL OR EMPTY CONTAINERS. DO NOT ATTEMPT TO REUSE CONTAINER.

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

Spill Release Procedures:ELIMINATE IGNITION SOURCES. WEAR PERSONAL PROTECTIVE EQUIPMENT. EVACUATE AREA. RECOVER FREE PRODUCT. ADD ABSORBENT TO AREA. VENTILATE CONFINED SPACES. KEEP OUT OF SEWERS & WATERWAYS BY DIKING. RE

PORT SPILL AS APPROPRIATE TO REGULATIONS.

Neutralizing Agent:MFR GAVE NO INFORMATION ON MSDS.

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

Handling and Storage Precautions:KEEP CONTAINERS CLOSED WHEN NOT IN USE. DO NOT STORE NEAR HEAT, SPARKS, FLAME OR STRONG OXIDANTS. EFFECTIVELY GROUND PRODUCT TRANSFER SYSTEM IN ACCORDANCE WITH NATIONAL FIRE PROTECTION ASSOC STANDARD FOR PETROLEUM PRODUCTS.

Other Precautions:MINIMIZE BREATHING VAPOR/MIST. AVOID PROLONGED &/OR

REPEATED SKIN CONTACT. REMOVE CONTAMINATED CLOTHING & LAUNDRER BEFORE REUSE. WASH THOROUGHLY AFTER CONTACT,BEFORE BREAKS & MEALS,& AT END OF WORK. PR ODUCT IS EASILY REMOVED BY SOAP & WATER.

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

Respiratory Protection:USE SUPPLIED-AIR RESPIRATORY PROTECTION IN CONFINED SPACES IFNEEDED.

Ventilation:USE VENTILATION SUFFICIENT TO PREVENT EXCEEDING PEL, TLV OR EXPLOSIVE LIMITS. NO IGNITION SOURCES. USE EP ELECT

RICALS.

Protective Gloves:CHEMICAL RESISTANT GLOVES IF NEEDED.

Eye Protection:SPLASH GOGGLES OR FACE SHIELD

Other Protective Equipment:CHEMICAL RESISTANT APRON OR OTHER IMPERVIOUS CLOTHING TO PREVENT PROLONGED &/OR REPEATED SKIN CONTACT. SHOWER & EYE WASH

Work Hygienic Practices:KEEP CLOSED WHEN NOT IN USE. DO NOT STORE NEAR IGNITION SOUSRCES. GROUND VESSELS DURING TRANSFER I/A/W NFPA STANDARDS.

Supplemental Safety and Health
NONE

===== Physical/Chemical Properties

=====

HCC:F2

NRC/State Lic Num:NONE

Boiling Pt:=82.2C, 180.F

Melt/Freeze Pt:1

Spec Gravity:0.79

Viscosity:3 (ST

Evaporation Rate & Reference:2.5 (N-BUAC = 1)

Solubility in Water:COMPLETE

Appearance and Odor:MFR GAVE NO INFORMATION ON MSDS. LIQUID WITH ALCOHOL ODOR.

Percent Volatiles by Volume:100

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

Stability Indicator/Materials to Avoid:YES

CAUSTICS, AMINES, OXIDIZERS & CHLORINATED COMPOUNDS.

Stability Co

ndition to Avoid:KEEP AWAY FROM IGNITION SOURCES, SUCH AS HEAT, SPARKS, PILOT LIGHTS, ELECTRICITY AND OPEN FLAMES.

Hazardous Decomposition Products:MFR GAVE NO INFORMATION OF MSDS..

Conditions to Avoid Polymerization:WILL NOT OCCUR. .

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

Toxicological Information:HEALTH STUDIES SHOW THAT PETROLEUM HYDROCARBONS & SYSTHETIC LUBRICANTS POSE HEALTH RISKS THAT VARY W/INDIVIDUALS. MINIMIZE EXPOSURE TO LIQUIDS, VAPORS, MISTS

OR FUMES

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

Waste Disposal Methods:THERE IS NO RQ OR THRESHOLD PLANNING QUANTITY. FOR RELEASE REPORTING PRODUCT IS APPROX. 100% ISOPROPANOL. EPA CLASSIFICATION ACUTE, CHRONIC & FIRE HAZARDS. DLA-HMIS:DISPOSE OF I/A/W FEDERAL, STATE & LOCAL REGULATIONS.

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

Transport Information:ISOPROPANOL/FLAMMABLE LIQUID, UN1219.

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

SARA Title III Information:SEC 302/CERCLA SEC 102:THERE IS NO RQ. SEC 301-304: NO THRESHOLD PLANNING QUANTITY. SEC313: FOR RELEASE REPORTING PRODUCT IS APPROX. 100% ISOPROPANOL. SEC 311-312: EPA CLASSIFICATION ACUTE, CHRONIC & FIRE HAZARDS.

Disclaimer (provided with this information by the compiling agencies): This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever

, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.