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For Chemical Emergency, Spill, Leak, Fire Exposure or Accident
Call CHEMTREC Day or Night
Within USA and Canada: 1-800-424-9300 CCN203570
Outside USA and Canada: +1 703-527-3887 (Collect Calls Accepted)

Effective 8/21/13
MATERIAL SAFETY DATA SHEET

SECTION 1: PRODUCT IDENTIFICATION

Catalog Number: G3020
Name: 9 x 30 mls EPA Method 1664 LCS Sol. in Acetone, 40 mg Total of Stearic Acid and Hexadecane

Synonyms: None
Chemical Family: Standard Solution
Formula: Solution
Molecular Weight: NA

SECTION 2: INGREDIENTS

<u>Component</u>	<u>CAS #</u>	<u>Comp.</u>	<u>LD50</u>
Acetone	67-64-1	99	NA
n-hexadecane (C16)	544-76-3	2000 mg/L	
stearic acid	57-11-4	2000 mg/L	

SECTION 3: HAZARDS IDENTIFICATION

All chemicals should be considered hazardous. Direct Physical contact should be avoided.

Toxic by ingestion and inhalation. Can be toxic by skin absorption. Affects central nervous system, especially the optic nerve. Marked impairment of vision, enlargement of liver, kidney damage, fetal development abnormalities, adverse embryo effects, and central nervous system damage have been observed after chronic exposure.

Medical Conditions Aggravated by Exposure: skin conditions, eye problems, impaired kidney or liver function.

Routes of Entry: Inhalation, ingestion, or absorption

Carcinogenicity: The principle component is not listed (IARC, NTP, OSHA) as a cancer causing agent. The solution does contain components which may be considered as or suspected to be a cancer causing agent. These are given in Appendix I along with their concentration.

SECTION 4: FIRST AID MEASURES

Skin: Immediately flush with water for 15 minutes.

Eyes: Immediately flush with water for at least 15 minutes.

Inhalation: Remove to fresh air; give artificial respiration if breathing has stopped.

Ingestion: If conscious, give water and induce vomiting immediately. Never give anything by mouth to an unconscious person. Get medical help immediately.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point (Degrees F): -17 deg C

Flammability Limits (%) LEL= 2.5% UEL= 12.8%

Extinguishing Media: Use dry chemical, carbon dioxide, or appropriate foam. Water may be ineffective because it will not cool material below flash point.

Fire Fighting Procedure: Wear self contained breathing apparatus and protective clothing.

Fire and Explosion Hazards: Dangerous fire and explosion hazard. Closed container can explode upon heating. Vapor may travel distances to ignition sources then flash.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Spill Response: Wear suitable protective equipment. Remove ignition sources until spill has been cleaned up. Follow all Federal, State, and Local regulations.

SECTION 7: HANDLING AND STORAGE

Keep away from ignition sources. Use with adequate ventilation. Wear gloves, eye protection, and chemical resistant clothing.

Storage Requirements: $\leq$ Ambient

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures: Provide exhaust ventilation by local exhaust to prevent exceeding recommended exposure limits or use in a fume hood.

Airborne Occupational Exposure Limits: See Section 2

Hygienic Practices: Use good laboratory practices when using this product. Avoid direct contact with eyes and skin and inhaling any vapors.

Skin and Body: Avoid skin contact by wearing lab coat and using good laboratory practices.

Hands: Wear gloves and use good laboratory practices.

Eyes: Use safety glasses and good laboratory practices.

Respiratory Protection: None need if used in a well ventilated area or properly functioning fume hood.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Color:

Odor: Sweetish odor

Boiling Point: 56.5 deg C

Melting Point: -94 deg C

Density (H₂O = 1): 0.788 @ 25 deg C

Vapor Density (Air = 1): 2.0 (Air = 1)

Vapor Pressure: 231 mmHg @ 25 deg C

Evaporation Rate: 5.6 (n-Butyl acetate = 1)

Solubility in Water: Soluble

pH: NA

Flashpoint: -17 deg C

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable

Hazardous Polymerization: Will not occur

Hazardous Decomposition: CO_x and formaldehyde

Conditions to Avoid: Ignition sources, heat, strong oxidizers

SECTION 11: TOXICOLOGICAL INFORMATION

This product is a preparation or mixture and the component information can be found in SECTION 2.

SECTION 12: ECOLOGICAL INFORMATION

This product is a preparation or mixture and the component information can be found in SECTION 2. No information is available for this specific combination.

SECTION 13: DISPOSAL INFORMATION

This product should be considered as a hazardous substance. Follow all local, state, and federal regulation when disposing of this product.

SECTION 14: TRANSPORTATION INFORMATION

Proper Shipping Name:

Acetone

UN NUMBER:

UN1090

SHIPPING CLASS:

3

PACKING GROUP:

II

SECTION 15: REGULATORY INFORMATION

No information is available.

SECTION 16: OTHER INFORMATION

This material should be used only by personnel trained in good laboratory practices and in handling hazardous substances.

The above information has been gathered from various technical sources and is believed to be accurate to the best of our knowledge but does not claim to be all inclusive. The data given is for informational purposes only and is intended to be used by personnel with the appropriate technical training to properly interpret the data. Since storage conditions and the way the product is used are out of our control, we make NO EXPRESSED OR IMPLIED WARRANTY OF MERCHANT ABILITY, FITNESS, OR OTHERWISE.