

SAFETY DATA SHEET

SAPHIRA LOTOTEC MRC

DATE: 1/1/2015

1. CHEMICAL NAME AND COMPANY IDENTIFICATION

Distributed By: Heidelberg USA, Inc.
1000 Gutenberg Drive NW * Kennesaw, GA 30144
1-888-472-9655

Information Telephone Number: 1-800-527-8626 or 610-253-6206
For Chemical Spill Emergency Call: CHEMTREC 1-800-424-9300

Product Name: SAPHIRA LOTOTEC MRC
(Metering Roller Cleaner for Lototec Rollers)

CAS Number: Mixture - Not Established

2. HAZARD(S) IDENTIFICATION**GHS Classification**

Flammable Liquids (Category 2)
Aspiration Hazard (Category 1)
Germ Cell Mutagenicity (Category 2)
Carcinogenicity (Category 2)
Reproductive Toxicity (Category 2)
Specific Target Organ Toxicity - Single Exposure (Category 3)
Skin Irritation (Category 2)
Eye Irritation (Category 2A)

GHS label elements, including hazard and precautionary statements

Pictogram(s)



Signal Word

DANGER!

Hazard statement(s)

H225: HIGHLY FLAMMABLE LIQUID & VAPOR.
H304: MAY BE FATAL IF SWALLOWED AND ENTERS AIRWAYS.
H341: SUSPECTED OF CAUSING GENETIC DEFECTS.
H351: SUSPECTED OF CAUSING CANCER.
H361: SUSPECTED OF DAMAGING FERTILITY OR THE UNBORN CHILD.
H336: MAY CAUSE DROWSINESS OR DIZZINESS.
H315: CAUSES SKIN IRRITATION.
H319: CAUSES EYE IRRITATION.

Precautionary statement(s)

Prevention:

P201: OBTAIN SPECIAL INSTRUCTIONS BEFORE USE.
P210: KEEP AWAY FROM HEAT/SPARKS/OPEN FLAMES/HOT SURFACES AND OTHER IGNITION SOURCES.
NO SMOKING.
P260: DO NOT BREATHE FUME/MIST/VAPORS/SPRAY/GAS/DUST.
P280: WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION.
P264: WASH SKIN THOROUGHLY AFTER HANDLING.

Response:

P370+P378: IN CASE OF FIRE: USE DRY CHEMICAL OR CARBON DIOXIDE TO EXTINGUISH.

P301+P310+P331: IF SWALLOWED: IMMEDIATELY CALL A POISON CENTER OR DOCTOR. DO NOT INDUCE VOMITING.

P304+P340: IF INHALED: REMOVE PERSON TO FRESH AIR AND KEEP COMFORTABLE FOR BREATHING.

P303+P361+P353 IF ON SKIN (or hair): TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING. RINSE SKIN WITH WATER (OR SHOWER).

P305+P351+P338: IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING.

P308+P313: IF EXPOSED OR CONCERNED: GET MEDICAL ADVICE/ATTENTION.

Storage:

P403+P233+P405: STORE IN A WELL-VENTILATED PLACE. KEEP CONTAINER TIGHTLY CLOSED. STORE LOCKED UP.

Disposal:

P501: DISPOSE OF CONTENTS/CONTAINER IN ACCORDANCE WITH LOCAL/REGIONAL/NATIONAL REGULATIONS.

HMIS Classification

Health Hazard: 2

Flammability: 3

Physical Hazard: 0

Personal Protection: C

3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Component(s)</u>	<u>CAS Number</u>	<u>*Concentration (weight)</u>
Aliphatic Hydrocarbon	64742-49-0	75-90%
Isopropyl Alcohol	67-63-0	10-15%
n-Hexane	110-54-3	1-5%
Components of the Aliphatic Hydrocarbon:		
Heptanes	142-82-5	< 5.0%
Octane	111-65-9	< 5.0%
Xylene	1330-20-7	< 1.0% - TRACE
Ethylbenzene	100-41-4	< 1.0% - TRACE
Benzene	71-43-2	< 1.0% - TRACE
Toluene	108-88-3	< 1.0% - TRACE

* In accordance with paragraph (i) of §1910.1200, exact chemical percentages (concentration) of composition have been withheld as a trade secret.

4. FIRST AID MEASURES

Exposure Routes: Inhalation, Ingestion, Skin and Eye contact.

Eye Contact: Flush with large volume of water for at least 15 minutes. Get immediate medical attention.

Inhalation: Remove to fresh air. Get immediate medical attention.

Ingestion: Get immediate medical attention. Do not induce vomiting.

Skin Contact: Flush area with large amounts of water for at least 15 minutes. Get immediate medical attention.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Use dry chemical or carbon dioxide.

Specific Hazards: Flammable Liquid. Upon combustion, the product may form carbon monoxide and other organic compounds. Product containers may rupture from vapor pressure when exposed to heat from fire.

Special protective equipment for fire-fighters: Use self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions and protective equipment:****Respiratory Protection:** Use supplied air equipment or respirators with proper NIOSH approved cartridges.**Protective Gloves:** Impervious or chemical resistant gloves (consult safety equipment supplier).**Eye Protection:** Chemical splash goggles recommended against potential eye contact.**Other Protective Clothing and Equipment:** Safety shoes and aprons recommended.**Methods for Clean-Up:****Minor Spills:** Absorb material with ground clay, vermiculite, sand, or similar absorbent material and place into containers for disposal according to local and/or state regulations.**Major Spills:** Dike and contain spill. Eliminate potential sources of ignition, and shut off source of spill if possible. Remove liquid by chemical vacuum, absorbent material, or other safe and approved methods, and place into containers for disposal according to local and/or state regulations. Flush area with water to remove residue, and remove flushed solutions as above.**7. HANDLING AND STORAGE****Handling:** Flammable Liquid - empty containers can be hazardous and contain explosive vapors. Do not reuse containers. Keep containers closed when not in use. Ground fixed equipment. Bond and ground transfer equipment and containers.**Storage:** Store in a cool, dry, ventilated area, away from incompatible substances.**8. EXPOSURE CONTROLS AND PERSONAL PROTECTION****Exposure Guidelines:**

<u>COMPONENT</u>	<u>CAS No.</u>	<u>OSHA PEL/TWA</u>	<u>ACGIH TLV/TWA</u>	<u>ACGIH TLV/STEL</u>	<u>OTHER RATING</u>
Aliphatic Hydrocarbon	64742-49-0	500ppm(1)	500ppm	-	85ppm(Mfr)
Isopropyl Alcohol	67-63-0	4000ppm	500ppm	400ppm	-
n-Hexane	110-54-3	500ppm	50ppm (skin)	-	-
Cyclohexane	110-82-7	300ppm	100ppm		300ppm(NIOSH)

(1) Based on PEL for Hexanes.

Potential for dermal (skin) absorption.

This product contains TRACE amounts (<1.0%) of Ethyl Benzene, Xylene, Toluene, and Benzene.

Exposure controls: Avoid open electrical sources near product vapor areas.**Personal Protection Equipment:****Eyes:** Chemical splash goggles or face shield recommended.**Skin and body:** Impervious or chemical resistant gloves (consult safety equipment supplier).**Respiratory:** Ventilation in work area should be sufficient to maintain atmosphere with vapor level below lowest listed TLV. If TLV's are exceeded, use a respirator with appropriate NIOSH approved cartridges or supplied air equipment.**9. PHYSICAL AND CHEMICAL PROPERTIES****Appearance:** Clear Liquid**Odor:** Hydrocarbon/Alcohol odor**pH:** N/A**Melting point:** N/A**Boiling Point:** IBP 156° F (60° C)**Flash point:** (CC Method) -14.8° F (-26°C)**Flammable Limits:****LEL:** N/A**UEL:** N/A**Vapor Pressure:** 48 hPa

Vapor Density: (Air = 1) N/D
Specific Gravity: (Water = 1) 0.75
Solubility in water: Negligible
Maximum VOC Content: 100%
Maximum VOC %: 6.27 Lb/Gal (752 Gm/L)
Odor Threshold: N/A
Evaporation Rate: N/A
Relative Density: N/A
Partition Coefficient: N-Octano/Water: N/A
Auto-ignition Temperature: N/A
Decomposition Temperature: N/A
Viscosity: N/A

10. STABILITY AND REACTIVITY

Chemical Stability: Stable
Incompatible Materials: Avoid strong oxidizing agents, strong reducing agents, and strong bases.
Hazardous Decomposition Products: Carbon monoxide and other compounds during combustion.
Hazardous Polymerization: Will not occur.
Conditions to Avoid: Avoid exposure to high heat sources, electrical and welding arcs, open flame and strong oxidizing agents.
Warning: Spontaneous combustion may occur when solvent soaked combustible materials (paper, cotton etc.) are allowed to stand in confined areas.

11. TOXICOLOGICAL INFORMATION

(ATE) FOR MIXTURE:

Specific tests have not been conducted on this product. Our evaluations based on information from the ingredients and technical literature. Data for this material has been used to estimate the symptoms and effects of exposure.

Oral LD50:

LD50 Oral - No data available

Dermal LD50:

LD50 Dermal - $\geq 29,411$ mg/kg

Inhalation LC50:

LC50 Inhalation - No data available

Other information on Acute Toxicity:

No data available

Routes of exposure: Inhalation, Ingestion, Skin, Eyes

Acute: Overexposure may lead to skin irritation, eye irritation, and central nervous system depression, leading to headaches, nausea and unconsciousness.

Chronic: Overexposure in high concentrations may produce central nervous system depression, dermatitis and eye irritation.

Signs and Symptoms of Exposure: Overexposure may lead to dizziness, headaches, dermatitis and eye irritation.

Medical Conditions Aggravated by Exposure: Preexisting eye, skin, nerves, kidney, testes, liver, or respiratory disorders may be aggravated by exposure.

Carcinogenicity (NTP, IARC, OSHA): Components of this blend are not listed as carcinogens.

TRACE amounts (<1%) of Ethyl Benzene, a component of the Aliphatic Hydrocarbon, is listed by IARC as 2B Possible Human Carcinogen.

TRACE amounts (<1.0%) of Benzene, also a component of the Aliphatic Hydrocarbon, is listed by IARC as 1 Carcinogen to Humans and NTP as Human Carcinogen.

12. ECOLOGICAL INFORMATION**Ecotoxicity:** No data available**Persistence and degradability:** No data available**Bioaccumulative potential:** No data available**Mobility in the soil:** No data available**Other adverse effects:** No data available**13. DISPOSAL CONSIDERATIONS****Waste disposal methods:**

Dispose of in accordance with all applicable local, state and federal regulations. Do not discharge this product into lakes, streams, ponds or estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit, and the permitting authority has been notified in writing prior to discharge. Do not discharge this product into sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

14. TRANSPORTATION INFORMATION

<u>U.S. D.O.T. DESIGNATION</u>	<u>ID NUMBER</u>	<u>HAZARD CLASS</u>	<u>PACKING GROUP</u>
Flammable Liquids, N.O.S. (Contains Naphtha, Solvent, Isopropyl Alcohol, n-Hexane)	UN1993	3	II

U.N. DESIGNATION

Same as D.O.T.

15. REGULATORY INFORMATION

Regulatory Information: This information may be useful in complying with various federal and state regulations: Components present in this product at a level which could require reporting under EPA Regulation 40CFR302 (CERCLA) Section 102 and EPA Regulation 40CFR372 (SARA) 313: This product contains approximately 3.0% n-Hexane, 0.11% Xylene, 0.025% Ethylbenzene, 0.025% Benzene and 0.010% Toluene.

Product may contain components which are further regulated by state and/or local agencies - Consult Appropriate Agencies.

Notification status:

U.S.: Toxic Substances Control Act (TSCA) Y

Canada: Domestic Substances List (DSL): Y

16. OTHER INFORMATION**For More Information, Consult Tower Products, Inc.****This Information Herein Is Given In Good Faith, But No Warranty, Express Or Implied Is Made.****Date of Preparation:** January 1, 2015