

Material Safety Data Sheet



1.0 PRODUCT AND COMPANY IDENTIFICATION

Product Name: Decalin RunUp™

Manufacturer:

Decalin Chemicals LLC
793 S. Tracy Blvd #319
Tracy
Ca 95376 Tel: 650-353-5062 Fax: 650-353-5066

2.0 COMPONENT INFORMATION

Component	CAS Number	Wt %
Polyetheramine	Proprietary	Proprietary
Tricresylphosphate (TCP) (ortho isomer content less than 0.5%)	1330-78-5	Proprietary
Alkoxy-alcohol	Proprietary	Proprietary

3.0 HAZARDS IDENTIFICATION

Emergency Overview: Inhalation of vapor or mist may cause headache. May cause cholinesterase inhibition. Contains material which may cause reproductive effects based on animal data.

Potential Health Effects

Eye Contact	ACUTE: Eye contact may cause irritation
Skin Contact	ACUTE: Skin contact may cause irritation. May cause cholinesterase inhibition if absorbed through the skin. See Section 4 "Note to Physicians" for signs and symptoms of these effects.
Inhalation	Acute Exposure: Inhalation of vapors or mists may cause headache. Overexposure may cause cholinesterase inhibition. See Section 4 "Note to Physicians" for signs and symptoms of these effects.
Ingestion	ACUTE: Ingestion may cause gastrointestinal tract irritation and diarrhea. . May cause cholinesterase inhibition if absorbed through the skin. See Section 4 "Note to Physicians" for signs and symptoms of these effects.
Appearance & Odor	Clear to amber liquid. Faint amine odor.
Fire and Explosion Hazards	This product is combustible. The material is not sensitive to static discharge or physical impact. It may decompose under fire conditions.
Primary Route of Exposure	The primary route of exposure to this product are skin contact and inhalation of mists or vapors.
Carcinogenicity	IARC: NO NTP: NO OSHA: NO ACGIH: NO

4.0 FIRST AID MEASURES

Eye	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists
Skin	Remove contaminated clothing. Use a safety shower if necessary.
Inhalation	Move into fresh air. Get medical attention if breathing is difficult.

Ingestion	Do not induce vomiting. Get medical attention.
-----------	--

5.0 FIRE FIGHTING MEASURES

Extinguishing Media	Water spray, dry chemical, carbon dioxide, alcohol foam.
Special Fire Fighting Procedures	Wear self contained breathing apparatus and protective clothing. Use water spray to keep fire exposed containers cool.
Hazardous Combustion Products	Carbon dioxide, carbon monoxide.
Unusual Hazards	Forms peroxides of unknown stability.

6.0 ACCIDENTAL RELEASE MEASURES

Wear appropriate personal protective equipment. Eliminate ignition sources. Absorb spill with vermiculite or other inert materials. Place the contaminated absorbents in a container for chemical waste. Flush the area with plenty of water.

7.0 HANDLING AND STORAGE

Personal	Avoid eye and skin contact and breathing the vapor. Ensure that there is adequate ventilation in the area. Wash your hands after handling.
Prevention of Fire and Explosion	Keep away from heat and flame. Keep from contact with oxidizing materials. Keep the container closed.
Storage	Keep the container closed. Store below 149 deg F.
Additional Information	Store away from heat, direct sunlight and sources of ignition.

8.0 EXPOSURE CONTROL/PERSONAL PROTECTION

Specific exposure limits have not been established.

Eye	Use chemical safety goggles or a face shield.
Skin	Use NIOSH approved gloves.
Respiratory Protection	Use an organic vapor absorbing face mask to prevent inhalation of vapors. Change the absorbent canisters in a timely manner.
Ventilation Protection	Higher ambient temperatures increase the vapor evolved, therefore provide adequate ventilation with exhaust fans or blowers.
Other Protection	Safety showers and eye wash fountains should be available. Smoking in the vicinity is prohibited.

9.0 PHYSICAL AND CHEMICAL PROPERTIES

Physical Form	Colorless to Amber Liquid
Odor	Slight
Odor Threshold	0.48 ppm
Specific Gravity	0.95
Vapor Density	N/D
Boiling Point	>170 C
Evaporation Rate	N/D
Viscosity	6 mPa.S
Solubility in Water	Not soluble, hazy dispersion formed.
Solubility in Other Solvents	Miscible in 100LL avgas in all proportions.
Flash Point	>71 C (>160 F)
Autoignition Temperature	238 C (460 F)

10.0 STABILITY AND REACTIVITY

The material is stable. Keep away from heat and oxidizing materials. Hazardous polymerization will not occur.

11.0 TOXICOLOGICAL INFORMATION

Oral LD-50 rat	700 mg/kg
Oral LD-50 mouse	700 mg/kg
Oral LD-50 guinea pig	700 mg/kg
Inhalation LC-50 mouse	7 h: 700 ppm
Inhalation LC-50 female guinea pig	1 h: >633 ppm
Dermal LD-50 rabbit	1,435 mg/kg
Skin Irritation rabbit	Moderate
Skin Sensitization human	none
Ortho Cresyl isomer content is less than 0.1%	

12.0 ECOLOGICAL INFORMATION

BOD-5	1300 mg/g
BOD-20	1800 mg/g
COD	2200 mg/g

13.0 DISPOSAL INFORMATION

Material that cannot be used should be disposed of in accordance with applicable regulations. Product containers designed for single use should be emptied before disposal.

14.0 TRANSPORT INFORMATION

DOT (USA)	Not regulated below 119 US gals.
ICAO	Not regulated
IMDG	Not regulated