

Safety Data Sheet

CHEMTEX COOLANT PI50 IR



Section 1.

Chemical Product and Company Identification

In case of any emergency,
contact Poison Control Center
1800-116-117

Product Name	CHEMTEX COOLANT PI50 IR		
Product Description	Extended Life Engine Coolant (ELC) Antifreeze For Cars, Jeeps, SUVs, Vans (1:1 Dilution)		
Manufacturer's Name	Chemtex Speciality Limited	Supplier's Name	Chemtex Speciality Limited
Address	Haute Street Corporate Park 86A Topsia Road (S), Kolkata 700046	Address	Haute Street Corporate Park 86A Topsia Road (S), Kolkata 700046
Contact Information	Ph: +91-33-7111-1111	Contact Information	Ph: +91-33-7111-1111
Email	info@chemtexltd.com	Email	info@chemtexltd.com
SDS Prepared	04-10-2013	SDS Revised	31-01-2022
Emergency Contact	No. +91-33-7111-1111	Mail: info@chemtexltd.com	

Section 2.

Hazard Identification

Route of Entry	Skin, Eye Contact, Ingestion		
OSHA Hazard Status	Not Regulated		
Class	Pictogram (if available)	Hazard	Category Hazard Statement P codes
GHS07: Warning - Toxic Category 2 - 3		H315, H319	Cat. 4, Causes skin Cat. 2 irritation; Causes serious eye irritation 264, 270, 280, 302, 305+351+33 38,337+313, 352, 321, 301+ 312, 332+ 313, 362, 330
GHS07: Warning - Toxic Category 2 - 3		H302	N/A Harmful if swallowed

Safety Data Sheet
CHEMTEx COOLANT PI50 IR



P codes

- P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.

P264 Wash thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P321 Specific treatment
P301+312 IF SWALLOWED: Call a POISON CENTER/doctor/if you feel unwell.
P302+352 IF ON SKIN: Wash with plenty of water
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P332+313 If skin irritation occurs: Get medical advice/attention.
P337+313 If eye irritation persists get medical advice/attention.
P362+364 Take off contaminated clothing and wash it before reuse.

Section 3.

Composition/ Information on Ingredients

Ingredients	CAS No.	% by wt.
Monoethylene Glycol	107-21-1	50.0 min
Inhibitor Package (Non Hazardous)	N/A	0.5 - 3.0
DM Water	7732-18-5	balance

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Safety Data Sheet
CHEMTEX COOLANT PI50 IR



Section 4.

First Aid Measures

Eyes	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of cold water. Get medical attention immediately.
Skin	Immediately flush skin with plenty of water while removing contaminated clothing and shoes. Wash with soap and cover the contaminated skin with an emollient. Wash clothing and shoes before reuse. Seek immediate medical attention.
Ingestion	Do NOT induce vomiting unless directed by any medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear. Administer 5% solution of sodium bicarbonate followed with milk.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek immediate medical attention.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY. IF EXPOSED, CALL POISON CONTROL CENTER/DOCTOR/PHYSICIAN.

Section 5.

Fire Fighting Measures

Flammable	No		
Flash Point	N/A		
Flammability Point (% by volume)			
Lower	N/A	Upper	N/A
Autoignition Temperature		> 450°C	
Extinguishing Media		Use water spray, alcohol-resistant foam, dry chemical/ CO2	

Fire Fighting Instructions: Wear full protective clothing. Wear self contained breathing apparatus.

Fire & Explosion Data: Slightly flammable to flammable in presence of open flames and sparks, of heat. Non-flammable in presence of shocks. Explosive decomposition may occur if combined with strong acids or strong bases and subjected to elevated temperatures.

Special Hazards: Products on combustion: COx

NFPA Symbol and Label

Health	1
Flamability	1
Reactivity	0
Special Notice	

Hazard Rating
4. Extreme
3. Serious
2. Moderate
1. Minimal
0. Slight

Safety Data Sheet
CHEMTEX COOLANT PI50 IR

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Section 6.

Accidental Release Measures

Small Spill	Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
Large Spill	Stop leak if without risk. Do not get water inside container. Do not touch spilled material. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all ignition sources. Call for assistance on disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7.

Handling Measures & Storage

Handling	Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, acids, alkalis.
Storage	Keep container tightly closed. Keep container in a cool, well-ventilated area. Product is hygroscopic in nature.

Section 8.

Exposure Controls & Personal Protection

Exposure Limits	TWA 25ppm; STEL 50ppm
Specific Engineering Controls	Provide exhaust ventilation or other engineering controls to keep airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the workstation location. Consult local authorities for acceptable exposure limits.

Personal Protective Equipment

HMIS

PPE

C

Safety Glasses
Gloves
Apron

Pictograms



Safety Data Sheet
CHEMTEX COOLANT PI50 IR



Section 9.
Physico-Chemical Data

Form	Viscous Liquid
Appearance	Intense Red
Odor	Odorless
pH (dilution)	8.5 - 10.5
Specific Gravity (20°C)	N/A
Solubility	Soluble in water, ether
Additional Physico-chemical Data	
Boiling Point	N/A
Freezing Point	N/A
Reserve Alkalinity	10 - 12ml
Viscosity	16.0 - 18.0cps

Section 10.
Stability and Reactivity

Chemical Stability	Stable
Hazardous Polymerization	Will not occur
Conditions to avoid	Excess heat, incompatible materials
Incompatibility	Oxidizing agents, acids, alkali
Corrosivity	Non-corrosive in presence of glass
Hazardous Decomposition	COx.
Special Remarks	Hygroscopic nature

Section 11.
Toxicological Information

Product	Oral LD50 (Rat) [mg/kg]	Dermal LD50 (Rats) [mg/kg]	Inhalation LC50 (Rat) [mg/L]
CHEMTEX COOLANT PI50 IR	> 5000	N/A	>200

Carcinogenicity	N/A
Teratogenicity	N/A
Mutagenicity	N/A

Section 12.
Ecological Information

BOD/ COD	N/A
Eco-toxicity	41 gm/l 96 hours [Trout]
Biodegradation	Long term degradation products may arise.
Marine Pollutant	N/A

Safety Data Sheet
CHEMTEx COOLANT PI50 IR



Section 13.
Disposal Considerations

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 14.
Transport Information

DOT Classification	Class
	Not Regulated

Classification for Air Transport (IATA/ICAO)

Proper Shipping Name	Not Regulated
UN No.	Not Regulated
Packing Group	Not Regulated

Classification for Sea Transport (IMO/IMDG)

Proper Shipping Name	Not Regulated
UN No.	Not Regulated
Packing Group	Not Regulated

Classification for Road Transport (ADR/RID)

Proper Shipping Name	Not Regulated
UN No.	Not Regulated
Packing Group	Not Regulated

Section 15.
Regulatory Information

OSHA Hazard Status	Not Regulated
HSN	38200000

Safety Data Sheet
CHEMTEX COOLANT PI50 IR

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Section 16.
Other Information

SDS Creation

04-10-2013

SDS Revision

31-01-2022

Abbreviations

N/A	Not Applicable
LEL	Lower Explosion Limit
UEL	Upper Explosion Limit
TLV	Threshold Limit Value
TWA	Time Weighted Average
LD50	Lethal Dose Concentration that kills 50% dosed group
LC50	Lethal Concentration that kills 50% of dosed group
PPM	Parts Per Million
LSL	Lower Specification Limit
USL	Upper Specification Limit

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