


Material Safety Data Sheet (MSDS)

1. Product and Company Information	
PRODUCT	Xtended Life Formula
MANUFACTURER and SUPPLIER INFORMATION	GS Caltex India Private Limited
	Kanakia Wall Street, #1011, A Wing, Chakala, Andheri-Kurla Road, Andheri (East), Mumbai -400059. India.
	Emergency Telephone No.: +91-22-61370000
	Fax: +91-22-61370025
CHEMICAL DESCRIPTION	Long Life Coolant

2. Hazard Identification		
Classification of substance or mixture	Harmful if swallowed. Acute toxicity, category 4	
GHS labels including precautionary statements	Symbol	
	Signal word	Warning
	Hazard statement	H302 Harmful if swallowed. H373 May cause damage to organs (kidney) through prolonged or repeated exposure (oral).
	Precautionary statement	P203 Obtain, read, and follow all safety instructions before use. P262 Wash skin thoroughly after handling. P270 Do not eat, drink, or smoke when using this product. P405 Store locked up. P501 Dispose of content/container to an approved waste disposal plant.
Other Hazard which does not result in Classification	Does not contain PBT or vPvB substances in concentrations higher than 0,1%.	

3. Composition and Information on ingredients

Components	CAS No.	Content (%)
Ethylene Glycol	107-21-1	>= 50 - < 70
Proprietary additives include Corrosion Inhibitor + DM water		30 – 50%

4. First Aid Measures

Eye Contact	Wash eyes thoroughly with plenty of water for at least 20 minutes
Skin Contact	Remove contaminated clothing and wash skin with plenty of soap and water. Flush with plenty of water for 15 minutes. Seek medical attention if ill effect or irritation develops
Inhalation	If overcome by exposure, remove person to fresh air immediately. Give oxygen or artificial respiration as needed. Obtain emergency medical attention. Prompt action is essential
Ingestion	Do not induce vomiting; Obtain emergency medical attention
Most important symptoms / effects, acute and delayed	May cause slight eye and skin irritation. Not expected to be a sensitizer
First Aid treatment and information on Medical doctors	Treat symptomatically. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient

5. Fire Fighting Measures

Suitable extinguishing media	CO ₂ , Water spray
Unsuitable extinguishing media	Use of water jet
Large fire	Use of water spray
Proper protective equipment including breathing apparatus must be worn when approaching a fire in a confined space	

6. Accidental Release Measure

Necessary action to protect human health	If not dangerous, stop release safely
	Keep away from water supply facilities and sewage
	Avoid heat, flame, spark, and other ignition sources
	Avoid inhalation of materials or combustion products

Necessary action to protect environment	Use appropriate containment to avoid environmental contamination
	Prevent from spreading or entering drains, ditches or rivers by using sand, earth or other appropriate barriers
	Notify Fire and environmental authorities
Methods and material for containment and clean-up	Avoid flame and/or spark near leak and produced waste.
	Prevent from spreading by making a barrier with sand, earth or other containment material
	Do not smoke
	In case of large spills dike, absorb and shovel up into suitable containers for disposal

7. Handling and Storage

Safe Handling	Avoid prolonged or repeated contact with skin
	Avoid inhaling vapor and/or mists
	When handling product in drums, safety footwear should be worn, and proper handling equipment should be used
Safe Storage	Keep container tightly closed and in a cool, well-ventilated place
	Use properly labeled and closeable containers
	Storage Temperature: <40 °C

8. Exposure control and personal protection

Exposure limits and biological exposure limits of chemicals

Ethylene Glycol	ACGIH: TWA (Vapour): 25ppm / STEL (Vapour): 50ppm
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Engineering Management	Ventilation equipment should be explosion-proof if explosive concentrations of dust, vapor or fume are present. Install local ventilation system. Comply with limits
Personal Protection Equipment	
Respiratory protection	No respiratory protection is ordinarily required under normal conditions of use. If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, select respiratory protection equipment suitable for the specific conditions of use and meeting relevant legislation. Check with respiratory protective equipment suppliers. Where air-filtering respirators are suitable, select an appropriate combination of mask and filter
Eye protection	Safety glasses or goggle are recommended for eyes to protect from dust and mist
Hand protection	Use proper chemical resistant gloves
Human body protection	Skin protection not ordinarily required beyond standard issue work clothes

9. Physical and chemical properties

Appearance	Magenta Red	Boiling point	>105°C
Odor	NA	Water Solubility	Very Soluble
Density @ 20.0°C	1.113	Oil Solubility	NA
Ph @ 20.0°C	8.6	Vapor pressure	NA
Freezing point	-35°C	Auto ignition temperature	NA
Decomposition temperature	No data	Upper / lower flammability or explosive limits	No data

10. Stability and reactivity

Chemical Stability	No hazardous decomposition if stored and applied as directed.
Hazardous Reaction	No hazardous decomposition if stored and applied as directed.
Materials to avoid	Excessive heat.
Hazardous Decomposition	No hazardous decomposition if stored and applied as directed.
Reactivity	No hazardous decomposition if stored and applied as directed.

11. Toxicological Information

A. Information on likely routes of exposure

Inhalation	May cause slight irritation
Ingestion	May cause vomit, coughing, shortness of breath, dizziness
Skin contact	May cause allergic skin irritation
Eye contact	May cause eye irritation

B. Delayed or immediate and chronic effect from short or long term exposure

Ethylene Glycol	Acute Oral Toxicity	Oral: LD0(Human): 1.5g/kg (estimated)
		Dermal: LD50(Rat): 9.4mg/kg Rabbit
	Skin irritation	Expected to be slightly irritating (Rabbit)
	Serious eye damage	Not determined (Rabbit)
	Respiratory sensitization	Not determined (Guinea pig)
	Skin sensitization	Not determined (Guinea pig)
Potassium Hydroxide	Acute Oral Toxicity	Oral: LD50(Rat): 3.5mg/kg
		Dermal: LD50(Rat): >1.5mg/kg
	Skin irritation	No data
	Serious eye damage	No data
	Respiratory sensitization	No data

	Skin sensitization	No data
	Aspiration hazard	No data

12. Ecological Information

Hazards to aquatic environment	Fish	LL50 > 100 mg/L Fish
	Crustacean	No data
	Algae	No data
Persistence and degradability	No data	
Bio accumulative potential	No data	

Mobility in soil	No data
Other adverse effects	No data

13. Disposal Considerations

Disposal Methods	Use only licensed transporters and permitted facilities for waste disposal
Disposal cautions	Dispose according to local regulations

14. Transport Information

UN Number	Not applicable
UN proper shipping name	Not applicable
Transport hazard classes	Not applicable
Packing group, if applicable	Not applicable
Environmental hazard	Not applicable
Special precaution for users	None

15. Regulatory Information	
The regulatory information is not intended to be comprehensive. Other regulations may apply to this material	
Other Internal and Foreign acts	
Regulation (EC) No 1272/2008, with all National and European related legislations - on classification, labelling and packaging of substances and mixtures - and following adjustments to technical and scientific progress.	
Regulation (EC) No 790/2009 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.	
Directive 1999/45/EC and all following updates, together with its national realization, about classification, packaging and labelling of dangerous preparations.	
Directives 89/391/EC, 89/654/EC, 89/655/EC, 89/656/EC, 90/269/EC, 90/270/EC, 90/394/EC, 90/679/EC and all following updates, together with its national realization, about improvement of worker safety and health.	

16. Other Information	
References	GS Caltex R&D Centre
	MSDS of raw material from supplier
	Globally Harmonized System of classification and labeling of chemicals (GHS), First revised edition, United Nations
	EINECS (European Inventory of Existing Commercial Chemical Substances)
	ACGIH (American Conference of Governmental Safety and Health)
	IUCLID Dataset
Date of previous version	-
Date of latest version	01/2025
Version: 1	

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