




# SAFETY DATA SHEET

## RADIANT COOLANT 40%

### Section 1. Identification

<b>Material name:</b>	RADINAT COOLANT 40%
<b>Product Code</b>	5871
<b>SDS no.</b>	SDS 5871-1
<b><u>Relevant identified uses of the substance or mixture and uses advised against</u></b>	
<b>Use of the substance/ mixture</b>	Engine coolant For specific application advice see appropriate Technical Data Sheet or consult our company representative
<b>Manufacturer Supplier</b>	Petromin Corporation P.O.BOX: 1432, Jeddah 21431 Prince Sultan Road, Ayah Mall <a href="http://www.petromin.com">www.petromin.com</a> Tel: +966 12 60 8300 Fax: +966 12 608 2545
<b>Emergency Telephone Number</b>	Technical Services Department Telephone: +966 12 215 7000

### Section 2. Hazard(s) identification

<b>Classification of the substance or mixture</b>	Harmful if swallowed
<b>GHS label elements:</b>	
<b>Hazard Pictograms:</b>	
<b>Signal word:</b>	Warning
<b>Hazard statement:</b>	Harmful if swallowed.
<b>Precautionary statement:</b>	
<b>Prevention:</b>	Wash with plenty of water and soap thoroughly after handling.
<b>Response:</b>	Call a POISON CENTER or doctor/physician. IF SWALLOWED: rinse mouth.
<b>Storage:</b>	Store locked up.
<b>Disposal:</b>	Dispose of contents/container to hazardous or special waste collection point.
<b>Other hazards which do not result in classification</b>	No specific dangers known, if the regulations/notes for storage and handling are considered.



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## Section 3. Composition and ingredient information

Substance/ mixture Mixture

Components	CAS No.	Percent
Monoethyleneglycol	107-21-1	96-97.7%
2-ethylhexanoic acid	19766-89-3	2-3%
borax pentahydrate	12179-04-3	0.3-1%

## Section 4. First aid measures

### Description of necessary first aid measures

<b>Eye contact</b>	May cause irritation to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
<b>Skin contact</b>	May cause irritation to skin. May cause dermatitis. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
<b>Inhalation</b>	Harmful by inhalation. Inhalation may cause nausea and vomiting. May cause dizziness and headache. Move the exposed person to fresh air. Seek medical attention.
<b>Ingestion</b>	Harmful if swallowed. Ingestion may cause nausea and vomiting. Ingestion is irritating to the respiratory tract and may cause damage to the central nervous system. DO NOT INDUCE VOMITING. If swallowed, seek medical advice immediately and show this container or label.

## Section 5. Fire-fighting measures

### Extinguishing media

**Suitable extinguishing media** Use as appropriate: Carbon dioxide (CO<sub>2</sub>), Dry chemical, Foam.

**Special Risks** None

**Special Measures** Self-contained breathing apparatus. Wear protective clothing

## Section 6. Accidental release measure

### Precautions for the Environment

Do not allow product to enter drains. Prevent further spillage if safe.

### Clean-up Method

Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

### Personal Precautions

Ensure adequate ventilation of the working area. Wear suitable protective equipment.

### Personal Protection


Gloves and goggles or face shield

## Section 7. Handling and storage

<b>Precautions for safe handling</b>	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.
<b>Specific conditions</b>	Safety goggles and gloves should be used
<b>Precautions for safe storage</b>	None
<b>Storage condition</b>	Keep in a cool, dry, well ventilated area. Keep containers tightly closed.
<b>Dangerous practices</b>	Not available

## Section 8. Exposure control/ Personal protection

Control parameters:

<b>Exposure Level</b>	Not available
<b>Inhalation</b>	No specific recommendation made, but respiratory protection must be used if the general level exceeds the Occupational Exposure Level (OEL). Wear full face mask supplied with: Gas cartridge (organic substances).
<b>Skin</b>	Gloves
<b>Eye</b>	Safety goggles 
<b>Other</b>	Showers and eye-washers in the working area
<b>Specific Hygiene measure</b>	Good work practices to minimize exposure and adoption of good Personal hygiene
<b>Exposure Level</b>	TLV (typical base oil) = 0.016 PPM at 20°C (saturated vapor Concentration); TLV/TWA (ACGIH) = 5mg/m <sup>3</sup> (oil mist); TLV/STEL (ACGIH) = 10mg/m <sup>3</sup> (oil mist)

## Section 9. Physical and chemical properties

Information on basic physical and chemical properties:

Appearance:

<b>Physical state:</b>	Liquid
<b>Color:</b>	Red
<b>Specific Gravity (at 15°C):</b>	1.095 g/cm <sup>3</sup>
<b>Equilibrium Boiling Point</b>	165 °C
<b>Explosive Properties:</b>	Not available
<b>Oxidizing Properties:</b>	Not available
<b>Freezing Point:</b>	-18 °C
<b>pH value</b>	7.0 - 10.0
<b>Solubility in Water</b>	Soluble



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## Section 10. Stability and reactivity

Reactivity	Stable under recommended transport storage conditions
Chemical stability	Stable under normal temperature pressures
Polymerization Risk	Not available
Materials to Avoid	Strong oxidants react with oils and organic materials
Hazardous Decomposition products	Not available
Condition to Avoid	Exposure to open flames

## Section 11. Toxicological information

Routes of Exposure	Contact with skin, eyes and inhalation. Ingestion is not frequent.
Acute and chronic Effects	No malignant acute effects are known. Chronic effects due to repeated exposures are irritation, dermatitis and acne
Carcinogenicity	Not available
Reproductive Toxicity	No evidences
Medical Conditions which increase Hazard to Exposure	Respiratory tract deficiencies and dermatological problems

## Section 12. Ecological information

### Pollutant Potential:

Persistence and Degradability	Elimination information: > 70 % DOC reduction (28 d) (OECD 301 A (new version)) Readily
Mobility/Bioaccumulative Potential	Bioaccumulation potential: Accumulation in organisms is not to be expected. Volatility: The substance will not evaporate into the atmosphere from the water surface. Adsorption in soil: Adsorption to solid soil phase is not expected.
Eco toxicological Effect:	Dangerous for aquatic life in high concentrations (spills).

## Section 13. Disposal consideration

Disposal Methods (surplus)	Must be disposed of or incinerated in accordance with local regulations
Disposal (waste)	Only in specific prepared and controlled areas. Avoid releasing oils to sewers because they can destroy water treatment plant Microorganisms. Do not attempt to clean containers since residue is difficult to remove; dispose in a safe way.
Handling (waste)	Labeled and sealed containers. Avoid direct contact with waste oils.



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## Section 14. Transport information

Special Precautions	Stable at room temperature and during transport. Store in cool well ventilated areas.
UN Number	Not regulated
Road (ADR)/ Rail (RID) /River (ADNR)	Not regulated
Airline (IATA-ACAO)	Not regulated
Marine (IMO-IMDG)	Not regulated
Special precautions for user	Not available

## Section 15. Regulatory information

Regulation	<b>CERCLA/SARA - Section 302 Extremely Hazardous Substances and TPQs (in pounds):</b> This material does not contain any chemicals subject to the reporting requirements of SARA 302 and 40 CFR 372.
CERCLA/SARA - Section 311/312 (Title III Hazard Categories)	<b>Acute Health:</b> No <b>Chronic Health:</b> No <b>Fire Hazard:</b> No <b>Pressure Hazard:</b> No <b>Reactive Hazard:</b> No
CERCLA/SARA - Section 313 and 40 CFR 372	This material does not contain any chemicals subject to the reporting requirements of SARA 313 and 40 CFR 372
EPA (CERCLA) Reportable Quantity (in pounds)	This material does not contain any chemicals with CERCLA Reportable Quantities
California Proposition 65	This material does not contain any chemicals which are known to the State of California to cause cancer, birth defects or other reproductive harm at concentrations that trigger the warning requirements of California Proposition 65
Canadian	This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the Regulations. WHMIS Hazard Class: None
National Chemical Inventories	All components are either listed on the US TSCA Inventory, or are not regulated under TSCA. All components are either on the DSL, or are exempt from DSL listing requirements
U.S. Export Control Classification Number	EAR99



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## Section 16. Other information

### History:

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Previous Issue Date

<b>Guide to Abbreviations</b>	<b>CAS</b>	Chemical Abstracts Service
	<b>ACGIH</b>	American Conference of Governmental Industrial Hygienists
	<b>CASRN</b>	Chemical Abstracts Service Registry Number
	<b>CEILING</b>	Ceiling Limit (15 minutes)
	<b>CERCLA</b>	The Comprehensive Environmental Response, Compensation, and Liability Act
	<b>EPA</b>	Environmental Protection Agency
	<b>IARC</b>	International Agency for Research on Cancer
	<b>LEL</b>	Lower Explosive Limit
	<b>NE</b>	Not Established
	<b>NFPA</b>	National Fire Protection Association
	<b>NTP</b>	National Toxicology Program
	<b>OSHA</b>	Occupational Safety and Health Administration
	<b>PEL</b>	Permissible Exposure Limit (OSHA)
	<b>SARA</b>	Superfund Amendments and Reauthorization Act
	<b>STEL</b>	Short Term Exposure Limit (15 minutes)
	<b>TLV</b>	Threshold Limit Value (ACGIH)
	<b>TWA</b>	Time Weighted Average (8 hours)
	<b>UEL</b>	Upper Explosive Limit
	<b>WHMIS</b>	Worker Hazardous Materials Information System (Canada)

### Disclaimer of Expressed and implied Warranties

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