



SAFETY DATA SHEET

ULTRA RADOL PREMIUM LONG LIFE COOLANT CONCENTRATE



Print Date: 2022/01/03

Revision Date: 2025/01/27

Issue No.5

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER'S NAME

TRINIDAD & TOBAGO NATIONAL PETROLEUM MARKETING CO. LTD.

EMERGENCY TELEPHONE NUMBER:

868-623-6245

FAX NUMBER:

627-4028

ADDRESS

NP HOUSE, NATIONAL DRIVE, SEA LOTS, PORT- OF - SPAIN , TRINIDAD & TOBAGO, W.I.

PRODUCT NAME

ULTRA RADOL PREMIUM LONG LIFE COOLANT CONCENTRATE

GENERIC AND/OR CHEMICAL NAME

RADIATOR COOLANT

SECTION 2: HAZARDS IDENTIFICATION

This material is not considered to be hazardous according to regulations.

GHS-Classification

Not a hazardous substance or mixture.

GHS Label Elements

No hazard pictogram, no signal word, no hazard statement(s), no precautionary statement(s) required.

Other Hazards

Repeated or prolonged contact with the skin, without proper cleaning, can clog the pores of the skin leading to folliculitis or oil acne.



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SECTION 3: COMPOSITION/ INFORMATION ON INGREDIENTS

Substance / Mixture : Substance

Chemical Nature : Coolant

Hazardous Components

Component	CAS-No.	Concentration (% w/w%)	GHS Classification
1,2 - Ethanediol (ethylene glycol)	-	100%	Asp. Tox. 1; H304

For explanation of abbreviations see section 16.

SECTION 4: FIRST AID MEASURES

- If inhaled : If adverse effects occur, remove to fresh air. Using proper respiratory protection, immediately remove the affected victim from exposure. Administer artificial respiration if breathing is stopped. Keep at rest.
- In case of skin contact : Wash with soap and water. Obtain medical attention if skin disorders develop. Remove contaminated clothing and launder before reuse. Discard shoes and other leather articles saturated with the material.
- In case of eye contact : Flush eyes with copious quantities of water and obtain medical aid if irritation persists.



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- If swallowed : Clean mouth with water, drink afterwards plenty of water and get medical attention. **DO NOT INDUCE VOMITING.** Never give anything by mouth to an unconscious person.
- Most important symptoms and effects, both acute and delayed : No symptoms known or expected.
- Protection of first-aiders : Ensure that the appropriate personal protective equipment (PPE) is being worn when administering first aid.
- Notes to physician : Treat symptomatically

SECTION 5: FIREFIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA

Foam, Water-Fog, Carbon-Dioxide and Dry chemical.

UNSUITABLE EXTINGUISHING MEDIA

Do NOT use water jet to extinguish flames.

UNUSUAL FIRE AND EXPLOSIVE

NONE

SPECIAL HAZARDS ARISING FROM THE SUBSTANCE

Combustibility : Not classified as flammable or combustible, but will combust if ignited.

Hazardous combustion products : Carbon monoxide may be evolved if incomplete combustion occurs.
A complex mixture of airborne solid and liquid particulates and gases (smoke).
Unidentified organic compounds.



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Specific extinguishing methods : Use standard procedure for extinguishing chemical fires. Execute procedures appropriate to local circumstances and surrounding environment.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS

Self-Contained Breathing Apparatus must be worn when approaching a fire in a confined space.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Avoid contact with eyes and skin
Use Personal Protective Equipment (PPE)
Refer to protective measures listed in Section 8.

Environmental precautions : Prevent entry into drains or water courses by using earth, sand or other appropriate barriers.
Do not flush into surface water or sanitary sewer system.
Contain the release to prevent further leakage or spillage, if it is safe to do so.
Inform respective local authorities if the product contaminates rivers, lakes or drains.

Methods and materials for containment and cleaning up : Prevent spreading by making a barrier using earth, sand or other containment material.
Wipe up with absorbent material (e.g. cloth, fleece).
Reclaim material directly or in an absorbent.
Keep in suitable, closed containers for disposal.

Additional advice : See Section 8 of this Safety Data Sheet for guidance on selection of personal protective equipment.
See Section 13 of this Safety Data Sheet for guidance on disposal of spilled material.



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SECTION 7: HANDLING AND STORAGE

- Advice on safe handling : Avoid repeated or prolonged contact with skin.
Safety footwear should be worn when handling product in drums and proper handling equipment should be used.
For personal protection, see Section 8.
Smoking, eating and drinking should be prohibited in the application area.
- Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.
Use properly labeled and closable containers.
- Incompatible materials and coatings : Compatibility with plastics will vary.
- Further information on storage stability : No decomposition if stored and applied as directed.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with workplace control parameters

Component	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible	Basis
1,2 - Ethanediol (ethylene glycol)	-	TWA (Inhalable fraction)	5 mg/m ³	ACGIH TLV

Engineering Controls : Use in a well-ventilated area.



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Personal Protective Equipment

- Respiratory protection : No respiratory protection is normally required.
If oil mist is generated during user operations, determine if the airborne concentrations are below the occupational exposure limit for mineral oil mist. If not, wear an approved respirator that provides adequate protection from the measured concentrations of this material.
- Hand protection : The protective gloves selected should be approved to the relevant standards (eg. ASTM F739, EN 374).
The protective gloves should be made of the following materials such that it provides suitable chemical protection: Neoprene, Nitrile rubber or PVC.
Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves.
For continuous contact, a gloves with a breakthrough time of typically 240 minutes is recommended.
- Eye/ Face protection : Chemical goggles (splash resistant) or face shield
- Skin and Body protection : Protective suit, long sleeved clothing
- Hygiene measures : General industrial hygiene practice.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : Green liquid
- Odor : Low odor



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Melting / Freezing Point : Data not available

Boiling Point : Not Applicable

Flash Point (Closed) : Min 230 °C

Evaporation Rate : Not Determined

Vapor Pressure : Not Determined

Kinematic Viscosity of Liquid @:
40 °C : Not Applicable

Specific Gravity : 1.110 - 1.125

SECTION 10: STABILITY AND REACTIVITY

Reactivity : No dangerous reactions known under conditions of normal use.

Chemical Stability : Stable under recommended storage conditions.

Possibility of Hazardous Reactions : May react with strong acids or strong oxidizing agents.

Conditions to avoid : Excessive heat

Incompatible Materials : Strong oxidizing agents

Hazardous Decomposition Products : No decomposition if stored and used as directed.



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SECTION 11: TOXICOLOGICAL INFORMATION

Basis for assessment : The information given is based on the toxicology of the components or similar products. The data represents the product as a whole, rather than the individual component(s), unless indicated otherwise.

Product

Acute oral toxicity : The material is not considered an oral toxicant. The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

Acute inhalation toxicity : The material is not considered an inhalation toxicant. The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

Acute dermal toxicity : The material is not considered a dermal toxicant. The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

Skin corrosion/ irritation : The material is not considered a skin irritant.

Serious eye damage/ eye irritation : The material is not considered an eye irritant.

Respiratory or skin sensitisation : The material is not considered a skin sensitizer.

Germ cell mutagenicity : The material is not considered a mutagen.

Carcinogenicity : The material is not considered a carcinogen.



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- Reproductive toxicity : The material is not considered a reproductive toxicant.
- Specific Target Organ Toxicity (STOT) - Single exposure : The material is not considered a specific target organ toxicant (single exposure).
- Specific Target Organ Toxicity (STOT) - Repeated exposure : The material is not considered a specific target organ toxicant (repeated exposure).
- Aspiration toxicity : This material is not considered a aspiration hazard.

SECTION 12: ECOLOGICAL INFORMATION

- Basis for assessment** : The information given is based on the ecotoxicology of the components or similar products. The data represents the product as a whole, rather than the individual component(s), unless indicated otherwise.

Product

- Ecotoxicity : The material is not expected to be harmful to aquatic organisms. The product has not been tested. The statement has been derived from the properties of the individual components.
- Mobility : No data available.
- Persistence and degradability : This material is not expected to be readily biodegradable.
- Bioaccumulative potential : No data available.



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SECTION 13: DISPOSAL CONSIDERATIONS

Use materials for their intended purpose, or recycle them when possible. Oil collection services are available for the recycling or disposal of used oil. Contaminated materials should be placed in containers and disposed of in accordance with relevant regulations. For approved disposal or recycling methods, please contact your sales representative or local environmental or health authorities.

SECTION 14: TRANSPORT INFORMATION

The description provided may not apply to all shipping scenarios. Refer to 49CFR or the relevant Dangerous Goods Regulations for further description requirements (such as technical names) and shipping requirements specific to the mode of transport or quantity.

DOT Shipping Description: NOT REGULATED AS HAZARDOUS MATERIAL UNDER 49 CFR

IMO/IMDG Shipping Description: NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER THE IMDG CODE

ICAO/IATA Shipping Description: NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER ICAO

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code: Ship per Annex I



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SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

Chemical Inventories:

All components comply with the following chemical inventory requirements:

AICS (Australia), DSL (Canada), EINECS (European Union), ENCS (Japan), IECSC (China), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (United States).

SECTION 16: OTHER INFORMATION

Key to the H-statements contained in sections 2 and 3 of this document.

H304 : May be fatal if swallowed and enters airways.

Key or legend to abbreviations and acronyms used in the safety data sheet

DSL : Domestic Substances List (DSL)
PICCS : Inventory of Chemicals and Chemical Substances (PICCS)
TSCA : TSCA Inventory
AICS : Australia Inventory of Chemical Substances (AICS)
IECSC : China. Inventory of Existing Chemical Substances in China (IECSC)
ENCS : Japan. ENCS - Existing and New Chemical Substances Inventory
KECI : Korea. Korean Existing Chemicals Inventory (KECI)
NZIoC : New Zealand. Inventory of Chemical Substances



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EINECS : European Inventory of Existing Commercial Chemical
Substances (EINECS)

TCSI : Taiwan Chemical Substance Inventory

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