



Radiator Additive

Issue Date 10.1.2019

SECTION 1: Identification of Substance/mixture and of the manufacturer

1.1 - Product Identifier

Product Form : Liquid
Substance Name : Radiator Additive
CAS No. : See below
Product Code : N/A
Formula : N/A
Synonyms : N/A

1.2 - Relevant/Identified Uses

Use of Substance : radiator additive, machinery part protection

1.3 - Supplier Details

Company: Huerta Chemical
2360 West 78th Street
Hialeah, Florida U.S.A. 33016
Phone No: (305) 825-7076
Telefax: (305) 499-825-7839

1.4 Emergency Phone Number

For Emergencies call 305-825-7076

SECTION 2: Hazard Identification

2.1 - Classification of substance or mixture

GHS-US Classification
Acute toxicity, oral - Cat 4
Skin corrosion/irritation - Cat 1B
Serious eye damage/eye irritation - Cat 1C

2.2 Label Elements

Hazard Pictograms



Signal Word

: **DANGER**

Hazard Statements

H302: Harmful if swallowed
H313: May be harmful in contact with skin

Precautionary Statements

P301: IF SWALLOWED: Call a POISON CENTER/ doctor
P301+330+331: IF SWALLOWED: Rinse mouth.
Do NOT induce vomiting.
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.
P501: Dispose of contents/container in accordance with local/regional/national/international regulation



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2.3 - Other Hazards

Other Hazards : None

2.4 Unknown Acute Toxicity

: None

SECTION 3: Composition

3.1 Substances

Name	CAS#	Percentage
Substance Considered CBI		<1%
Substance Considered CBI		<1%
Water	7732-28-5	99.96%

SECTION 4: First Aid

4.1 Description of First Aid Measures

General

Inhalation	If difficulties occur after vapors/ aerosol has been inhaled, move to fresh air.
Skin Contact	May cause burn. Wash affected areas thoroughly with soap and water. Remove contaminated clothing. Contact physician.
Eye Contact	May cause burn. Rinse eyes for at least 15 minutes under running water with eyelids wide open. Remove contacts lenses if present and easy to do. Immediately contact a poison center or physician.
Ingestion	Rinse mouth and then drink plenty of water. DO NOT induce vomiting and contact a poison center or physician.

4.2 Symptoms

N/A :

4.3 Indication of immediate medical attention

N/A :

SECTION 5: Firefighting Measures

5.1 Extinguishing Media

Suitable Methods	Water, Carbon Dioxide, Alcohol Foam or Dry Chemical
Unsuitable Methods	

5.2 Special Hazards

5.3 Firefighter Information

Fire fighters should be equipped with self-contained breathing apparatus and turn out gear.

SECTION 6: Accidental Release Measures

6.1 Personal Precautions

Ventilate enclosed areas. Do not touch damaged containers or spilled materials unless wearing protective clothing.

6.2 Environmental Precautions

Do not discharge into drains/surface water/ground water / sewers.



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6.3 Methods for Cleaning-up

6.4 Reference to other sections

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Avoid breathing vapors, mist or spray. Use only outdoors or in well ventilated area. Handle in accordance with good industrial hygiene and safety procedures.

Avoid prolonged contact with eyes and skin.

7.2 Conditions for Safe Storage

SECTION 8: Exposure Control/Personal Protection

8.1 Control Parameters

8.2 Protective Equipment



SECTION 9: Physical and Chemical Properties

9.1 Basic Physical and Chemical Properties

Form Liquid

Color

Odor

pH

Melting Point

Freezing Point

Boiling Point

Flash Point

Vapor Pressure

Density

Solubility

Viscosity

9.2 Other Information

SECTION 10: Stability and Reactivity

10.1 Reactivity

No hazardous reactions when stored and handled according to the instructions.

10.2 Chemical Stability

The product is chemically stable.

10.3 Possibility of Hazardous Reactions

No Data Available

10.4 Conditions to Avoid

No Data Available



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10.5 Incompatible Materials

No Data Available

10.6 Hazardous Decomposition Products

No Data Available

SECTION 11: Toxicological Information

information on likely routes of exposure

Inhalation

May cause damage to organs by inhalation. May cause damage to organs through prolonged or repeated exposure by inhalation. Prolonged inhalation may be harmful. Irritating to respiratory system.

Skin contact

May be irritating to the skin. May be harmful in contact with skin.

Eye contact

Causes serious eye irritation.

Ingestion

May be harmful if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

11.1 Information on toxicological effects

Acute toxicity

Components	Species	Calculated/Test Results
POTASSIUM NITRATE (CAS 7757-79-1)		
Acute		
Oral		
LD50	Rabbit	1166 mg/kg
sodium nitrite (CAS 7632-00-0)		
Acute		
Inhalation		
LC50	Rat	5.5 mg/l, 4 Hours
Ora/		
LD50	Mouse	175 mg/kg
	Rabbit	186 mg/kg
	Rat	85 mg/kg
Skin corrosion/irritation		Prolonged skin contact may cause temporary irritation.
Serious eye damage/eye irritation		Causes serious eye irritation.
Respiratory or skin sensitization		
Respiratory sensitization		Not a respiratory sensitizer.
Skin sensitization		This product is not expected to cause skin sensitization.
Germ cell mutagenicity		Suspected of causing genetic defects.
Carcinogenicity		This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)		
Not listed.		
Reproductive toxicity		Suspected of damaging fertility or the unborn child.
Specific target organ toxicity—single exposure		Causes damage to organs. Blood.
Specific target organ toxicity—repeated exposure		May cause damage to organs through prolonged or repeated exposure. Blood.
Aspiration hazard		Not an aspiration hazard.
Chronic effects		May cause damage to organs through prolonged or repeated exposure. Prolonged inhalation may be harmful.



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SECTION 12: Ecological Information

12.1 Toxicity

No information available

12.2 Persistence and Degradability

Readily biodegradable

12.3 Bioaccumulative Potential

No information available

12.4 Mobility in Soil

No information available

12.5 Other Adverse Effects

SECTION 13: Disposal Considerations

13.1 Waste Treatment/Disposal

Dispose of in accordance with national, state and local regulations. It is the waste generators responsibility to determine if a particular waste is hazardous under RCRA.

SECTION 14: Transportation

14.1 DOT

Proper Shipping Name:

Packing Group:

Identification Number:

Hazard Class:

14.2 IMDG

Proper Shipping Name:

Packing Group:

Identification Number:

Hazard Class:

14.3 IATA

Proper Shipping Name:

Packing Group:

Identification Number:

Hazard Class:

SECTION 15: Regulatory Information

15.1 U.S. Regulations

TSCA, US Listed :

Chemical DSL, CA Listed

15.2 Other Regulations

SECTION 16: Other Information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Huerta Chemical and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.

Any information regarding formulation that has been declared Confidential Business Information ("CBI") is in accordance with the rules and regulations governing CBI for OSHA, GHS and the EPA.

In the event of an emergency or similar situation involving the health and safety of anyone handling this product or in case of spill or similar accident the manufacturer has on file Safety Data Sheets with full disclosure of each product's full ingredients and mixture percentages.