



Safety Data Sheet

Issue Date: 01 April -2015

Revision Date: 02-July-2015

1. IDENTIFICATION

Product Identifier

Product Name

DuraMAX RV Antifreeze CH356 -100 Degrees

Other means of identification

SDS

053

Product Number

95082CH3560

Recommended use of the chemical and restrictions on use

Recommended Use

RV anti-freeze.

Details of the supplier of the safety data sheet

Supplier Address

RelaDyne, LLC
9395 Kenwood Rd, Suite 104
Blue Ash, OH 45242

Emergency Telephone Number

Company Phone Number

888-830-3156

Emergency Telephone (24 hr)

INFOTRAC 1-800-535-5053

2. HAZARDS IDENTIFICATION

Appearance Clear, red liquid

Physical State Liquid

Odor Odorless

Classification

This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200). However, this Safety Data Sheet (SDS) contains valuable information critical to the safe handling and proper use of this product. This SDS should be retained and available for employees and other users of this product.

3. COMPOSITION/INFORMATION ON INGREDIENTS

The product contains no substances which, at their given concentration, are considered to be hazardous to health. However, additional component information is available in subsequent sections of this SDS.

4. FIRST-AID MEASURES

First Aid Measures

Eye Contact

Immediately flush eyes with large amounts of water for 20-30 minutes, lifting lower and upper lids. Get medical attention as soon as possible. Obtain medical attention if pain, blinking, tearing or redness persist.

Skin Contact

Wash thoroughly in flowing water or shower. Promptly remove any soiled clothing and wash thoroughly before re-use.

Inhalation

If overcome by exposure, remove person to fresh air immediately. Give oxygen or artificial respiration as needed. Obtain emergency medical attention immediately.

Ingestion

If large quantity is swallowed, give a pint of lukewarm water if victim is completely conscious and alert. If large quantities are consumed, induce vomiting. Obtain emergency medical attention immediately.

Most important symptoms and effects

Symptoms May cause minor eye irritation. Repeated, prolonged exposure may cause slight flaking, tenderness and softening of the skin. Excessive ingestion may cause central nervous system effects. Material and/or its emissions may aggravate pre-existing eye disease.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Not determined.

Hazardous Combustion Products Carbon monoxide and other toxic vapors.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Fight fire from a distance or protected location. Heat may build up pressure and rupture closed containers. Liquid may form slippery film. Use water spray or fog for cooling; solid stream may spread fire as burning liquid will float on water. Avoid frothing/steam explosion. Notify authorities if liquid enters sewers/public waters.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Personal Precautions Use personal protective equipment as required.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up Prevent flow to sewers and public waters as it may contaminate said water. Restrict water usage to prevent slip/fall hazard. Soak up small spills with inert solids. Dike and recover large land spills. Notify the proper authorities if product enters any waterway.

7. HANDLING AND STORAGE**Precautions for safe handling**

Advice on Safe Handling Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions Store in tightly closed and properly vented containers, away from heat, sparks, open flame and strong oxidizing agents.

Incompatible Materials Strong alkalis. Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

Appropriate engineering controls**Engineering Controls**

Adequate general ventilation is required; local exhaust is recommended.

Individual protection measures, such as personal protective equipment**Eye/Face Protection**

Chemical splash goggles or full face shield must be worn when the possibility exists for eye contact due to splashing or spraying liquid, airborne particles, or vapor. Contact lenses should not be worn.

Skin and Body Protection

Wear suitable protective clothing.

Respiratory Protection

No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | | | |
|-----------------------|-------------------|-----------------------|----------------|
| Physical State | Liquid | Odor | Odorless |
| Appearance | Clear, red liquid | Odor Threshold | Not determined |
| Color | Clear red | | |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Me</u> |
|-------------------------------------|-------------------------|----------------------------|
| pH | 8.0 | |
| Melting Point/Freezing Point | Product will not freeze | |
| Boiling Point/Boiling Range | 187.8 °C / 370 °F | |
| Flash Point | 103.3 °C / 218 °F | |
| Evaporation Rate | slight | (butyl acetate = 1) |
| Flammability (Solid, Gas) | Liquid-Not applicable | |
| Upper Flammability Limits | 12.5 | |
| Lower Flammability Limit | 2.6 | |
| Vapor Pressure | <0.1 mm Hg | |
| Vapor Density | 2.6 | (Air=1) |
| Specific Gravity | 1.04 | (Water = 1) |
| Water Solubility | Not determined | |
| Solubility in other solvents | Not determined | |
| Partition Coefficient | Not determined | |
| Auto-ignition Temperature | Not determined | |
| Decomposition Temperature | Not determined | |
| Kinematic Viscosity | Not determined | |
| Dynamic Viscosity | Not determined | |
| Explosive Properties | Not determined | |
| Oxidizing Properties | Not determined | |

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization Not expected to occur.

Conditions to Avoid

Heat, flames and sparks. Incompatible Materials.

Incompatible Materials

Strong alkalis. Strong oxidizing agents.

Hazardous Decomposition Products

Carbon monoxide and other toxic vapors.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure**Product Information**

Eye Contact Avoid contact with eyes.

Skin Contact Avoid contact with skin.

Inhalation Do not inhale.

Ingestion Do not ingest.

Component Information

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|-----------------------------|-----------------------|--------------------------|-----------------|
| Propylene Glycol 57-55-6 | = 20000 mg/kg (Rat) | = 20800 mg/kg (Rabbit) | - |

Information on physical, chemical and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Numerical measures of toxicity

Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Component Information

| Chemical Name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|-----------------------------|---|---|----------------------------|--|
| Propylene Glycol 57-55-6 | 19000: 96 h Pseudokirchneriella subcapitata mg/L EC50 | 51600: 96 h Oncorhynchus mykiss mg/L LC50 static 41 - 47: 96 h Oncorhynchus mykiss mL/L LC50 static 51400: 96 h Pimephales promelas mg/L LC50 static 710: 96 h Pimephales promelas mg/L LC50 | | 10000: 24 h Daphnia magna mg/L EC50 1000: 48 h Daphnia magna mg/L EC50 Static |

Persistence/Degradability

Not determined.

Bioaccumulation

Not determined.

Mobility

Not determined

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods**Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging

Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

Note

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

Not regulated

IATA

Not regulated

IMDG

Not regulated

15. REGULATORY INFORMATION

International Inventories

All ingredients are listed or exempt from listing on Chemical Substance Inventory

US Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|-----------------------------|------------|---------------|--------------|
| Propylene Glycol 57-55-6 | X | | X |

16. OTHER INFORMATION**NFPA****Health Hazards**

0

Flammability

1

Instability

0

**Special Hazards Not
determined****HMIS****Health Hazards**

0

Flammability

1

Physical Hazards

0

**Personal
Protection B**

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Revision Note: New format

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet