



SAFETY DATA SHEET

1 CHEMICAL PRODUCT & COMPANY IDENTIFICATION

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| PRODUCT: | Tire Life® Arctic Formula |
| MANUFACTURER: | Fuller Brothers, Inc. 11507 SE Highway 212 Clackamas, OR 97015 United States of America |
| Emergency Telephone: | (503) 546-1040 (24 Hour: No restrictions) |
| Non-Emergency Telephone: | (503) 657-9366 (24 Hour: No restrictions) (800) 547-7785 (24 Hour: No restrictions) |
| SYNONYMS: | Not applicable |
| PRODUCT USE: | Rust Inhibitor/Coolant/Sealer for OTR Tires |
| PREPARED BY: | Fuller Brothers, Inc. (503) 657-9366 (Business Hours) |
| PREPARATION/REVISION: | April 15, 2015/Rev 5 (October 23, 2020) |

2 HAZARDS IDENTIFICATION

Emergency Overview:

Warning: Causes eye irritation.

Hazard Statement:

H320: Causes eye irritation.

Precautionary Statements:

P264: Wash thoroughly after handling.

P305/P351/P338: IF IN EYE: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337/P313: If eye irritation persists: Get medical advice/attention.

| ROUTES OF ENTRY: | Eye contact |
|--------------------------------------|--|
| Eyes: | Contact with eyes may cause irritation. |
| Skin: | Contact with skin is not anticipated to cause irritation. |
| Ingestion: | Ingestion may cause irritation. |
| Inhalation: | Manufacturer assessments have shown that properly deflated tires are not anticipated to result in irritation to the nose, throat, lungs, or respiratory tract. |
| Chronic Effects and Carcinogenicity: | No effects have been identified. |

GHS CLASSIFICATION*



Physical, Health, and Environmental

Eye irritation: Category 2B

*This list is limited to those categories that can be classified. Other categories are either not classified or classification is not possible.

3 COMPOSITION/INFORMATION ON INGREDIENTS

| Component | CAS# | Percent by Weight | ACGIH TLV-TWA | Federal OSHA PEL-TWA | Oregon OSHA PEL-TWA |
|-------------------------|------|-------------------|---------------|----------------------|---------------------|
| Proprietary Ingredients | NA | 100 | NA | NA | NA |

4 FIRST AID MEASURES

Eyes: In case of contact with eyes, immediately flush with clean, low-pressure water for at least 15 minutes. Remove contact lenses, if present and if it is easy to do so. If eye irritation occurs and persists, seek medical attention.

Skin: No first aid expected to be required. Consider removal of affected clothing and washing of affected skin as soon as practicable to minimize possibility of ingestion or eye contact.

Ingestion: Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt, or waistband. Seek immediate medical attention.

Inhalation: Remove person to fresh air. If breathing is difficult, give oxygen and seek immediate medical attention.

5 FIREFIGHTING MEASURES

Flammable Properties: Nonflammable.

Flashpoint: >500 F.

Autoignition Temperature: Not available.

Lower Explosive Limit (%): Not available.

Upper Explosive Limit (%): Not available.

Fire and Explosion Hazards: Product nonflammable. Container may be flammable. See fire-fighting instructions below.

Firefighting Instructions: Firefighting activities that may result in potential exposure to high heat, smoke, or toxic by-products of combustion requires NIOSH/MSHA-approved, pressure-demand, self-contained breathing apparatus with full face-piece and full protective clothing.

Extinguishing Media: Carbon dioxide, dry chemical powder, foam, water spray, or fog.



6 ACCIDENTAL RELEASE MEASURES

Wear appropriate personal protection during cleanup, such as splash goggles. Product contact with skin is not anticipated to result irritation. Carefully contain and stop the source of the spill, if safe to do so.

Use the appropriate tools to put the spilled product in a convenient waste disposal container. Wash the area after the product has been removed. Do not flush down the sewer or drainage systems, unless the system is designed and permitted to handle such material.

7 HANDLING AND STORAGE

Handling Precautions: Do not ingest. Avoid contact with eyes. Wash hands after use to avoid accidental eye contact or ingestion.

Storage Precautions: Store away from extreme heat, ignition sources, and incompatible materials such as oxidizers.

8 EXPOSURE CONTROLS, PERSONAL PROTECTION

Engineering Controls: Under expected conditions of use, general ventilation may be used.

General Hygiene Practices: Wash hands and face with soap and water before eating, drinking, applying cosmetics, or using tobacco products.

Personal Protective Equipment:

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| Eyes: | Wear chemical splash glasses or goggles for spill cleanup or activities with potential eye contact. |
| Skin: | None required under expected conditions of use. |
| Respiratory: | None required under expected conditions of use. |

9 PHYSICAL & CHEMICAL PROPERTIES

Physical State: Liquid.

Color: Light green.

Odor: Slight citrus odor.

Odor Threshold: Not available.

pH: Between 7 and 9.

Melting Point: Not available.

Freezing Point: -18.5°F/-28°C

Initial Boiling Point: 328 degrees F at 100 psi (typical tire pressure). 212 degrees F at atmospheric pressure.

Boiling Range: Not applicable.

Flashpoint: > 500 F.

Evaporation Rate: Not available.

Flammability: Nonflammable.

Upper Explosive Limit: Not available.



Lower Explosive Limit: Not available.
Vapor Pressure: Not available.
Vapor Density: Not available.
Relative Density: >1.03
Solubility: Readily soluble in water.
Partition Coefficient (n-octanol/water): Not available.
Autoignition Temperature: Not available.
Decomposition Temperature: Not available.
Viscosity: Not available.

10 STABILITY & REACTIVITY

Reactivity: Not reactive.
Stability: Stable under normal conditions of use and storage.
Hazardous Polymerization: Will not occur under normal conditions of use and storage.
Conditions and Materials to Avoid: May react with oxidizers.
Hazardous Decomposition Products: None known to occur.

11 TOXICOLOGICAL INFORMATION

LD50: Data from similar mixture: > 15,000 mg/kg body weight.
LC50: No data indicating irritation to the nose, throat, lungs, or respiratory tract.
Teratogenicity: No data indicating teratogenic effects. Not expected to have teratogenic effects, based on assessment of individual ingredients.
Mutagenicity: No data indicating mutagenic effects. Not expected to have mutagenic effects, based on assessment of individual ingredients.
STOT-single exposure: No data indicating STOT-single exposure.
STOT-repeat exposure: No data indicating STOT-repeat exposure.
Aspiration Hazard: No data indicating aspiration hazard. Not expected to have aspiration hazard based on assessment of similar mixtures.
Carcinogenicity: Not classified as carcinogen, based on assessment of individual ingredients.
Sensitization to Product: Not expected to cause sensitization based on assessment of individual ingredients.

12 ECOLOGICAL INFORMATION

Persistence and Degradability: Rapidly degradable.
Environmental Toxicity (LC50): Non-toxic. Data from similar mixture: 3667 mg/L (*ceriodaphnia dubia* 48-hour acute effluent toxicity bioassay) and 7,000 mg/L (*pimephales promelas* 96-hour acute effluent toxicity bioassay).
Bioaccumulation Potential: Readily biodegradable.
Mobility in Soil: Readily biodegradable.
Additional Advice: Readily biodegradable, but consult local regulations before discharging to sewers, drainages, or water bodies.



13 DISPOSAL CONSIDERATIONS

Disposal: Consult federal, state, and local waste regulations to determine appropriate disposal options.

Used Packaging: Cleaning and reuse, whenever possible, are preferable to disposal.

14 TRANSPORTATION INFORMATION

UN Number: Not established.

UN Proper Shipping Name: Not applicable.

Transport Hazard Class(es): Not applicable.

Packing Group: Not applicable.

Environmental Hazards: None.

Special Precautions for User: Product is listed on the U.S. Department of Commerce, Bureau of Industry, and Security Commerce Control List (CCL), but is exempt under Export Administration Regulation 99, and does not require a license in many situations. A license may be required if the proposed export is to an embargoed country, to an end user of concern, or in support of a prohibited end use.

15 REGULATORY INFORMATION

SARA Title III Reporting not required.

VOC Content: 0%

Any spill or uncontrolled release of this product, including any substantial threat of release, may be subject to federal, state, and/or local reporting requirements. This product and/or its constituents may also be subject to other regulations at the state and/or local level. Consult those regulations applicable to your facility/operation.

16 OTHER INFORMATION

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| SDS STATUS: | Revision 0; updated to GHS standard |
| PREPARED BY: | Fuller Brothers, Inc. 11507 SE Highway 212 Clackamas, OR 97015 |
| KEY SOURCES: | GHS guidance revision 5 |



Abbreviations and Acronyms used in this document:

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| ACGIH TLV-TWA | American Conference of Governmental Industrial Hygienists threshold limit value eight-hour time weighted average |
| C | Degrees Celsius |
| CAS# | Chemical Abstract Service |
| F | Degrees Fahrenheit |
| GHS | Globally Harmonized System of Classification and Labeling of Chemicals |
| LC50 | Lethal concentration, 50% |
| mg/kg | Milligrams per kilogram |
| mg/L | Milligrams per liter |
| MSHA | Mine Safety and Health Administration |
| NA | Not applicable |
| NIOSH | National Institute for Occupational Safety and Health |
| OSHA PEL-TWA | Occupational Safety and Health Administration permissible exposure limit eight-hour time weighted average |
| OTR | Off-the-road |
| PSI | Pounds per square inch |
| SDS | Safety data sheet |
| STOT | Specific target organ systemic toxicity |
| UN | United Nations |