



# Material Safety Data Sheet

## Section 1: Product & Company Identification

**Product Name:** Aviation 3-36® Corrosion Inhibitor (Bulk)

**Product Number (s):** 10202, 10203

**Manufactured By:**

CRC Industries, Inc.  
885 Louis Drive  
Warminster, PA 18974  
[www.crcindustries.com](http://www.crcindustries.com)

General Information	(215) 674-4300
Technical Assistance	(800) 521-3168
Customer Service	(800) 272-4620
24-Hr Emergency (CHEMTREC)	(800) 424-9300

## Section 2: Hazards Identification

### Emergency Overview

Appearance & Odor: Amber liquid, petroleum distillate odor

### DANGER

Combustible. Harmful or Fatal if Swallowed.

As defined by OSHA's Hazard Communication Standard, this product is hazardous.

### Potential Health Effects:

- EYE:** May cause mild irritation. Heating product may produce vapors that are irritating to the eyes.
- SKIN:** Prolonged or frequent contact may cause irritation or dermatitis. Symptoms may include redness, edema, drying, and cracking of the skin.
- INHALATION:** High vapor/aerosol concentrations (attainable at elevated temperatures well above ambient) are irritating to the respiratory tract, and may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness, and other central nervous system effects, including death.
- INGESTION:** The major hazard is aspiration of the liquid into the lungs during swallowing or vomiting. This may result in chemical pneumonia. Symptoms include coughing, gasping, shortness of breath, bluish discoloration of the skin, and fever. Pulmonary edema, confusion, coma and seizures may occur in more serious cases.
- CHRONIC EFFECTS:** None identified
- TARGET ORGANS:** None identified

Medical Conditions Aggravated by Exposure: None

See Section 11 for toxicology and carcinogenicity information on product ingredients.

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### Section 3: Composition/Information on Ingredients

COMPONENT	CAS NUMBER	% by Wt.
Synthetic Isoparaffinic Hydrocarbon	64742-48-9	70 – 80
Additive Blend	Proprietary	20 – 30

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### Section 4: First Aid Measures

**Eye Contact:** Immediately flush with plenty of water for 15 minutes. Call a physician if irritation persists.

**Skin Contact:** Remove contaminated clothing and wash affected area with soap and water. Call a physician if irritation persists. Wash contaminated clothing prior to re-use.

**Inhalation:** Remove person to fresh air. Keep person calm. If not breathing, give artificial respiration. If breathing is difficult give oxygen. Call a physician.

**Ingestion:** If swallowed, DO NOT induce vomiting. Keep person calm. Seek immediate medical attention.

*Note to Physicians:* Treat symptomatically.

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### Section 5: Fire-Fighting Measures

**Flammable Properties:** As defined by OSHA, this product is flammable.

Flash Point:	144F (TCC)	Upper Explosive L limit:	4.5
Autoignition Temperature:	> 500 F	Lower Explosive Limit:	0.6

**Suitable Extinguishing Media:** Foam, dry chemical, or water spray

**Products of Combustion:** Carbon monoxide, carbon dioxide, aldehydes, and oxides of sulfur and calcium

**Protection of Fire-Fighters:** Firefighters should wear self-contained, NIOSH-approved breathing apparatus for protection against suffocation and possible toxic decomposition products. Proper eye and skin protection should be provided. Use water spray to keep fire-exposed containers cool and to knock down vapors which may result from product decomposition.

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### Section 6: Accidental Release Measures

**Personal Precautions:** Use personal protection recommended in Section 8. Eliminate sources of ignition.

**Environmental Precautions:** Take precautions to prevent contamination of ground and surface waters. Do not flush into sewers or storm drains.

**Methods for Containment & Clean-up:** Remove sources of ignition. Dike area to contain spill. Ventilate the area

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with fresh air. If in confined space or limited air circulation area, clean-up workers should wear appropriate respiratory protection. Recover or absorb spilled material using an absorbent designed for chemical spills. Place used absorbents into proper waste containers.

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## Section 7: Handling and Storage

**Handling Procedures:** Do not handle or store near an open flame, heat or other sources of ignition. Maintain good housekeeping practices and wash thoroughly after handling.

**Storage Procedures:** Store in a cool dry area out of direct sunlight. Keep containers closed when not in use.

**Aerosol Storage Level:** NA

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## Section 8: Exposure Controls/Personal Protection

**Exposure Guidelines:**

COMPONENT	OSHA		ACGIH		OTHER		UNIT
	TWA	STEL	TWA	STEL	TWA	SOURCE	
Synthetic Isoparaffinic Hydrocarbon	NE	NE	NE	NE	1200	mfg	mg/m <sup>3</sup>
Additive Blend	NE	NE	NE	NE	NE		
N.E. – Not Established (c) – ceiling (s) – skin (v) – vacated							

**Engineering Controls:** Area should have ventilation to provide fresh air. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at the source, preventing dispersion into the general work area. Use mechanical means if necessary to maintain vapor levels below the exposure guidelines. If working in a confined space, follow applicable OSHA regulations.

**Respiratory Protection:** None required for normal work where adequate ventilation is provided. If engineering controls are not feasible or if exposure exceeds the applicable exposure limits, use a NIOSH-approved cartridge respirator with organic vapor cartridge. Use a self-contained breathing apparatus in confined spaces and for emergencies.

**Eye/face Protection:** For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear splash-proof goggles.

**Skin Protection:** Use protective gloves such as nitrile or neoprene. Also, use full protective clothing if there is prolonged or repeated contact of liquid with skin.

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## Section 9: Physical and Chemical Properties

**Physical State:** Liquid

**Color:** Amber

**Odor:** Petroleum distillate

**Specific Gravity:** 0.800

**Initial Boiling Point:** 372°F

**Freezing Point:** ND

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Vapor Pressure: ND

Vapor Density: > 1 (air = 1)

Evaporation Rate: < 1 (ether = 1)

Solubility: Negligible in water

pH: NA

Volatile Organic Compounds: wt %: 75 g/L: 600 lbs./gal: 5.0

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## Section 10: Stability and Reactivity

Stability: Stable

Conditions to Avoid: Sources of ignition; high temperatures

Incompatible Materials: Strong oxidizers

Hazardous Decomposition Products: From combustion: carbon monoxide, carbon dioxide, aldehydes, and oxides of sulfur and calcium

Possibility of Hazardous Reactions: No

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## Section 11: Toxicological Information

Long-term toxicological studies have not been conducted for this product. The following information is available for components of this product.

### ACUTE EFFECTS

<u>Component</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
Additive blend	LD50	> 2000 mg/kg	Dermal	Rabbit
Additive blend	LD50	> 5000 mg/kg	Oral	Rat

### CHRONIC EFFECTS

Carcinogenicity:

	<u>Component</u>	<u>Result</u>
OSHA:	None listed	
IARC:	None listed	
NTP:	None listed	

Mutagenicity: None known

Other: This product formulated with mineral oils which are considered to be severely refined. All of the oils in this product have been demonstrated to contain less than 3% extractables by the IP 346 test.

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## Section 12: Ecological Information

Ecological studies have not been conducted for this product. The following information is available for components of this product.

Ecotoxicity: No information available

Persistence / Degradability: No information available

Bioaccumulation / Accumulation: No information available

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Mobility in Environment: No information available

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### Section 13: Disposal Considerations

Disposal: This product is not a RCRA hazardous waste. (See 40 CFR Part 261.20 – 261.33)

All disposal activities must comply with federal, state and local regulations. Local regulations may be more stringent than state or national requirements.

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### Section 14: Transport Information

Proper shipping description:

US DOT (ground): Not regulated

Special Provisions: None

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### Section 15: Regulatory Information

#### U.S. Federal

##### Toxic Substances Control Act (TSCA):

All ingredients are either listed on the TSCA inventory or are exempt.

##### Comprehensive Environmental Response, Compensation and Liability Act (CERCLA):

Reportable Quantities (RQ's) exist for the following ingredients: None

**Spills or releases resulting in the loss of any ingredient at or above its RQ require immediate notification to the National Response Center (800-424-8802) and to your Local Emergency Planning Committee.**

##### Superfund Amendments Reauthorization Act (SARA) Title III:

Section 302 Extremely Hazardous Substances (EHS): None

Section 311/312 Hazard Categories:	Fire Hazard	Yes
	Reactive Hazard	No
	Release of Pressure	No
	Acute Health Hazard	Yes
	Chronic Health Hazard	No

Section 313 Toxic Chemicals: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:  
None

##### Clean Air Act:

Section 112 Hazardous Air Pollutants (HAPs): None

#### State Regulations

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California Safe Drinking Water and Toxic Enforcement Act (Prop 65):

This product may contain the following chemicals known to the state of California to cause cancer, birth defects or other reproductive harm: None

State Right to Know:

New Jersey: None  
Pennsylvania: None  
Massachusetts: None  
Rhode Island : None

**Additional Regulatory Information:** None

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**Section 16: Other Information**

NFPA: Health: 1 Flammability: 2 Reactivity: 0  
HMIS: Health: 1 Flammability: 2 Reactivity: 0 PPE: B

Prepared By: Michelle Rudnick  
CRC #: 440  
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Changes since last revision: MSDS reformatted in accordance with ANSI Z400.1-2004

The information contained in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. This information is accurate to the best of CRC Industries' knowledge or obtained from sources believed by CRC to be accurate. Before using any product, read all warnings and directions on the label.

CAS:	Chemical Abstract Service	NA:	Not Applicable
ppm:	Parts per Million	ND:	Not Determined
TCC:	Tag Closed Cup	NE:	Not Established
PMCC:	Pensky-Martens Closed Cup	g/L:	grams per Liter
PPE:	Personal Protection Equipment	lbs./gal:	pounds per gallon
TWA:	Time Weighted Average	STEL:	Short Term Exposure Limit
OSHA:	Occupational Safety and Health Administration		
ACGIH:	American Conference of Governmental Industrial Hygienists		
NIOSH:	National Institute of Occupational Safety & Health		