

# Safety Data Sheet

Issued Date: July 6, 2015

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Version 1

## 1. IDENTIFICATION

### Product Identifier

Product Name F-303A Rinse Aid

### Other means of identification

Product Code F-303A

### Recommended use of the chemical and restrictions on use

Recommended Use Use in dishwashing machine.

### Details of the supplier of the safety data sheet

Missouri Vocational Enterprises  
2727 Highway K  
Bonne Terre, MO 63628  
Phone: (573) 358-5516

### Emergency Telephone Number

INFOTRAC 1-800-535-5053 (North America)  
1-352-323-3500 (International)

## 2. HAZARDOUS IDENTIFICATION

Signal Word **DANGER**

Classification	Hazard Category
Eye Damage/Irritation	2A
Flammable Liquids	2
Specific Target Organ Toxicity - Single Exposure	3
Acute Aquatic Toxicity	2

### Health Hazard Statement(s)

H226 – Flammable liquid and vapor.  
H319 – Causes serious eye irritation.  
H336 – May cause drowsiness or dizziness.  
H401 – Toxic to aquatic life.

### Hazard Pictogram(s)



### Hazard Ratings

	HMIS	NFPA
Health	2	2
Flammability	1	2
Reactivity	0	0
PPE	N/A	N/A

### Precautionary Statement(s)

P210 – Keep away from heat/sparks/open flames/hot surfaces. – No smoking.  
P233 – Keep container tightly closed.  
P261 – Avoid breathing dust/fume/gas/mist/vapors/spray.  
P264 – Wash face, hands and any exposed skin thoroughly after handling.  
P271 – Use only outdoors or in a well-ventilated area.  
P273 – Avoid release to the environment.  
P280 – Wear protective gloves/protective clothing/ eye protection/face protection.  
P301+P330+P331 – IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.

P303+P361+P353 – IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P363 – Wash contaminated clothing before reuse.

P304+P340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P312 – Call a POISON CENTER or doctor/physician if you feel unwell.

P305+P351+P338 – IF IN EYES: 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.

P403+P233 – Store in a well-ventilated place. Keep container tightly closed.

P403+P235 – Store in a well-ventilated place. Keep cool.

P405 – Store locked up.

P501 – Dispose of contents/container to an approved waste disposal plant.

#### Potential Health Effects

**Skin Contact** May cause skin irritation.

**Eye Contact** May cause eye damage/irritation.

**Inhalation** May cause respiratory irritation. Not an expected route of exposure.

**Ingestion** May be harmful if swallowed.

### 3. COMPOSITION/INFORMATION ON INGREDIENT

Chemical Name/Pure Substance	CAS #	Weight-%
Water	7732-18-5	50-60
Alcohols, C6-10, ethoxylated propoxylated	68987-81-5	30-35
Isopropanol	67-63-0	8-15

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

### 4. FIRST-AID MEASURES

**General Advice** If you feel unwell, seek medical advice (show label where possible).

**Eye Contact** Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.

**Skin Contact** Wash off with plenty of water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation develops, call a physician.

**Inhalation** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

**Ingestion** Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.

#### Most important symptoms and effects

**Symptoms** Treat according to symptoms, no known specific antidote. May cause skin and eye irritation.

### 5. FIRE-FIGHTING MEASURES

#### Extinguishing Media

Suitable Extinguishing Media: Water spray, dry powder, foam.

Unsuitable Extinguishing Media: Not determined.

#### Specific Hazards Arising from the Chemical

Harmful vapor may be formed. Evolution of fumes/fog. Smoke may contain combustion products such as: carbon monoxide and carbon dioxide, but it is not limited to those.

**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.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures**

<b>Personal precautions</b>	Use personal protective equipment as required. High risk of slipping due to leakage/spillage of the product.
<b>Environmental precautions</b>	Do not discharge into drains, surface waters, or groundwater. See Section 12 for additional ecological information.

**Methods and material for containment and clean up**

<b>Methods for Containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for Clean up</b>	Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder). Dispose of absorbed material in accordance with regulations.

## 7. HANDLING AND STORAGE

**Precautions for safe handling**

Handle in accordance with good industrial hygiene and safety practice. Use only in well ventilated areas. Do not breathe dust/fume/gas/mist/vapors/spray. Wash face, hands, and any exposed skin thoroughly after handling. Keep away from heat, sparks, and flame. Take precautionary measures against static discharge. Use personal protection recommended in Section 8.

**Conditions for safe storage, including any incompatibilities**

<b>Storage Conditions</b>	Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Minimize sources of ignition, such as static build-up, heat, spark, or flame.
<b>Incompatible Materials</b>	Not available.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name	ACGIH TWA	ACGIH STEL	OSHA TWA
Isopropanol (CAS 67-63-0)	200 ppm	400 ppm	400 ppm

**Appropriate engineering controls**

Engineering Controls Apply technical measures to comply with the occupational exposure limits.

**Individual protection measures, such as personal protective equipment**

<b>Eye/Face Protection</b>	Wear approved safety goggles. If exposure causes discomfort, use a full-face respirator.
<b>Skin and Body Protection</b>	Wear appropriate clothing and gloves to prevent repeated or prolonged skin contact.
<b>Respiratory Protection</b>	Respiratory protection should be worn if ventilation is inadequate or if there is a potential to exceed the exposure limit guidelines.
<b>General Hygiene Considerations</b>	Do not eat, drink, or smoke when using this product. Wash contaminated clothing before reuse. Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

Physical State	Liquid	Odor	Slight Alcohol
Color	Light Blue	Odor Threshold	Not Determined

Property	Values	Remarks - Method
pH	7.5-8.5	
Melting Point/Freezing Point	Not available	
Boiling Point/Boiling Range	Not available	
Flash Point	Not available	
Evaporation Rate	Not available	
Flammability (Solid, Gas)	Liquid- Not applicable	
Upper Flammability Limits	Not available	
Lower Flammability Limits	Not available	
Vapor Pressure	Not available	
Vapor Density	Not available	
Specific Gravity	0.998	
Water Solubility	Complete	
Solubility in other solvents	Not available	
Partition Coefficient	Not available	
Auto-ignition Temperature	Not available	
Decomposition Temperature	Not available	
Viscosity	Not available	
Explosive Properties	Not available	
Oxidizing Properties	Not available	

## 10. STABILITY AND REACTIVITY

Reactivity	Not reactive under normal conditions.
Chemical Stability	Stable under recommended storage conditions and use.
Conditions to Avoid	Exposure to elevated temperatures can cause product to decompose.
Incompatible materials	Strong oxidizing agents, aldehydes, halogenated organics, halogens, and strong acids.
Hazardous Decomposition Products	Decomposition products depend upon temperature, air supply, and the presence of other materials.
Hazardous Polymerization	Should not occur.

## 11. TOXICOLOGICAL INFORMATION

Component	Oral – LD50	Dermal – LD50	Inhalation – LC50
Alcohols, C6-10, ethoxylated propoxylated	>2,000 mg/kg (Rat)	>2,000 mg/kg (Rabbit)	>50 mg/L, 4 h (Rat)
Isopropanol	5,840 mg/kg (Rat)	>12,800 mg/kg (Rabbit)	>10,000 ppm, 6 h (Rat)

### Information on likely routes of exposure

Eye contact	May cause serious eye damage.
Skin contact	May be moderately irritating.
Ingestion	Large amounts may cause injury.
Inhalation	Prolonged excessive exposure may cause adverse effects.

### Symptoms related to the physical, chemical, and toxicological characteristics

Irritation of the eyes and skin. Drowsiness or dizziness. Respiratory irritation.

Rinse Aid  
Carcinogenicity  
Reproductive toxicity  
Toxicological information

F-303A

Not a carcinogen.  
Not expected to be harmful to reproduction.  
Not available.

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## 12. ECOLOGICAL INFORMATION

### Ectotoxicity

Component	Fish	Aquatic Invertebrate	Aquatic Plants
Alcohols, C6-10, ethoxylated propoxylated	1-10 mg/L, 96 h, LC50 Pimephales promelas	1-10 mg/L, 48 h, EC50	1-10 mg/L, 120 h, EC50
Isopropanol	9,640 mg/L, 96 h, LC50 Pimephales promelas	>1,000 mg/L, 24 h, LC50 Daphnia magna	>1,000 mg/L, 72 h, ErC50 Scenedesmus

Persistence and degradability Readily biodegradable

Bioaccumulative potential Not available.

Other adverse effects Not available.

## 13. DISPOSAL CONSIDERATIONS

Disposal Instructions Dispose of in accordance with local, regional, and national regulations.

Hazardous Waste Code Not available.

Waste from residues / unused products Dispose of in accordance with local, regional, and national regulations. Do not dump into any sewers, on the ground, or into any body of water.

Contaminated Packaging Dispose of in a licensed facility. Recommend puncturing, crushing, or other means to prevent unauthorized use of used containers.

## 14. TRANSPORT INFORMATION

### Note

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

DOT I.D. Number Not available.

DOT Proper Shipping Name Not available.

DOT Hazard Classes:

US DOT Not available.

Road (ADR) Not available.

Air (ICAO/IMDG) Not available.

Sea (IMO/IMDG) Not available.

Packing Group Not available.

DOT Label Not available.

## 15. REGULATORY INFORMATION

### U.S. Federal Regulations

Contents of this SDS comply with OSHA Hazard Communication Standard CFR 1910.1200.

### OSHA Hazard Communication Standard (29 CFR 1910.1200)

( ) Hazardous ( X ) Non- Hazardous

### SARA TITLE III

Section 302/304

Section 311/312

Section 313

Extremely Hazardous Substances: No

(40CFR370) Hazardous Categories: Acute, Fire

Contains the following SARA 313 Toxic Release Chemicals: Isopropanol (CAS 67-63-0)

**CERCLA**

CERCLA Regulatory

Not regulated.

**State Regulations****Pennsylvania RTK**

Isopropanol (CAS 67-63-0)

**California Prop 65**

This product contains a ingredient(s) known to the state of California to cause cancer, birth defects or other reproductive harm.

**Inventories**

TSCA – Listed

**16. OTHER INFORMATION****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 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.

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