

SAFETY DATA SHEET

RAS96050

Revision Date: 2015/06/05

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Version: 1.0

1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance or mixture:

Name: RAS96050

Product code: RAS96050

Use of the substance/preparation: Food ingredient

Company/undertaking identification:

Registered company name: Red Arrow Products Company LLC

Address: 633 S. 20th Street, Manitowoc, WI 54220

Telephone: (920) 769-1100 Fax: (920) 769-1281

Email: sds@redarrowusa.com

<http://www.redarrowusa.com>

Emergency telephone: 800-255-3924

Association/Organization: Chem Tel, Inc. msds@chemtelinc.com

2 - HAZARDS IDENTIFICATION

Classification of the Substance or Mixture:

Aspiration hazard (Category 2)

Serious eye damage/eye irritation (Category 2)

Skin corrosion/irritation (Category 2)

Signal Word: Warning

Signal Word: Warning



Hazard Statements:

Causes serious eye irritation

Harmful if inhaled

Harmful in contact with skin

Precautionary Statements:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing

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Avoid breathing dust/fume/gas/mist/vapours/spray

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

Do not get in eyes, on skin, or on clothing

Wash with soap and water

3 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS Number	EC Number	Percent	Hazardous	Chemical Characterization
acetic acid	64-19-7	200-580-7	<16	Yes	carboxylic acid
formaldehyde	50-00-0	200-001-8	<0.5	Yes	

4 - FIRST AID MEASURES

In the event of exposure by inhalation:

Remove the victim to fresh air. Get medical attention if irritation develops and persists or if breathing is difficult.

In the event of splashes or contact with eyes:

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

In the event of splashes or contact with skin:

Flush contaminated skin with water. Remove contaminated clothing and shoes, Get medical attention if irritation develops and persists.

In the event of swallowing:

Rinse mouth out with water. Give victim copious amounts of water. Do not give anything to an unconscious victim. Do not induce vomiting. Get medical attention if symptoms occur.

5 - FIRE-FIGHTING MEASURES

Listed fire data is for Products containing 10 to 49% Acetic Acid.

Fire: Product is not considered combustible. Keep containers cool to avoid rupture.

Explosion: No risk.

Fire Extinguishing Media: Foam, water spray, dry chemical, CO2

Special Information: Self-contained breathing apparatus if exposure level for acetic acid is exceeded. Protective clothing should be worn when fighting fires. Contact with metals may generate hydrogen gas.

6 - ACCIDENTAL RELEASE MEASURES

Personal precautions:

Wear proper personal protective equipment, see section 8. Locate the nearest emergency exit. Monitor area for exposure limits taking precautions if limits are exceeded.

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Environmental precautions:

Dike the area to avoid release into the environment. Recovered liquid can be placed into a plastic drum for proper disposal. Contact your local environmental authority. See section 12 for further information.

Methods used for containment/cleanup:

Absorbent booms can be used for a dike for small spills. Clean up with absorbent material such as pads or kitty litter.

7 - HANDLING AND STORAGE

Safe Handling:

Move product only in tightly sealed containers. Open containers in a well ventilated area with care. Wear proper personal protective equipment, see section 8. In case of insufficient ventilation, wear suitable respiratory equipment. Practice good housekeeping.

Safe Storage:

Store in tightly closed containers (7-24 degrees C).

8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limit value: for Products containing 10 to 49% Acetic Acid.

Values for Glacial Acetic Acid:

10 ppm (25mg/m³) OSHA PEL, ACGIH TWA, NIOSH REL, UK OES TWA

15 ppm (37 mg/m³) ACGIH,STEL,NIOSH STEL,UK OES STEL

50 ppm (125 mg/m³) NIOSH IDLH

Engineering Controls:

Local exhaust or other engineering controls are needed to minimize. Avoid creating mist. Maintain adequate ventilation. Do not use in closed or confined spaces. Keep levels below exposure limits. To determine exposure levels, monitoring should be performed regularly.

Respiratory protection:

If exposure level is exceeded, use required respiratory (NIOSH approved organic respirator) to prevent exposure.

Hand protection:

Neoprene gloves

Eye and face protection:

Wear safety glasses. If risk of splashing wear safety goggles or safety glasses with face shield.

Skin protection:

A protective apron is recommended when splashes are likely. Wear chemical resistant work shoes. Rubber boots should be worn for spill response.

9 - PHYSICAL AND CHEMICAL PROPERTIES

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Odor: Smoky
Boiling point °C: Not Applicable
Appearance: Brown liquid
Flash point °C: >100°C
Form: Liquid
Color: Brown
Solubility (water) : Moderately soluble
Specific Gravity, g/ml: 1.097 - 1.143
Vapor pressure @ 20°C Pa: <1.0 mmHg
Vapor density: >1.0 (air =1.0)
Melting point/freezing point °C: Not Applicable
Relative density: 1.145-1.150
Flammability limit in air, upper % by volume: Not Applicable
Flammability limit in air, lower % by volume: Not Applicable
Auto-ignition temperature: Not Applicable
Bulk Density, g/cc: Not Applicable

10 - STABILITY AND REACTIVITY

Reactivity:

Product is not considered reactive.

Chemical stability:

Stable under ambient conditions.

Possibility of hazardous reactions:

None under normal processing. Reactions with metals can produce hydrogen gas. Reactions with sodium nitrite produces toxic nitrogen dioxide.

Conditions to avoid:

Do not add to solutions containing sodium nitrite as brown hazardous nitrogen dioxide gas may be generated.

Incompatible materials:

Ferrous metals, galvanized metals, sodium nitrite.

Hazardous decomposition products:

Hydrogen, carbon monoxide, carbon dioxide.

11 - TOXICOLOGICAL INFORMATION

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Potential Health Effects:

Inhalation: Can cause short term respiratory irritation.

Ingestion: Can irritate digestive tract.

Skin Contact: Contact with skin will cause irritation or chemical burns.

Eye Contact: Will cause irritation in contact with eyes.

Chronic Exposure:

Aggravation of Pre-existing Conditions: Irritation can be more intense in individuals with damaged lungs or skin conditions.

Specific Target Organ Toxicity - Single Exposure (Globally Harmonized System): No information available.

Specific Target Organ Toxicity - Repeated Exposure (Globally Harmonized System): No information available.

Numerical Measures of Toxicity: No information available.

Ingredient	Known	Anticipated	IARC Category
acetic acid	No	No	
formaldehyde	Yes	No	

Acute Toxicity:

12 - ECOLOGICAL INFORMATION

Completely degradable biologically. Comprised of food grade materials.

Ecotoxicity: Product is not believed to be ecotoxic.

Persistence and Degradability: Biodegrades, not persistent.

Bioaccumulative Potential: Material readily biodegrades. No accumulative potential exist

Mobility in Soil: Readily degrades in soil.

Other adverse effects:

13 - DISPOSAL CONSIDERATIONS

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Waste and Product Packaging:

Treatment or disposal of waste generated by use of this product should be in compliance with local, state, and national requirements. Users are advised to consult with appropriate regulatory agencies before discharge, treatment, or disposal.

14 - TRANSPORT INFORMATION

Land Transportation:

Hazard Class: Class 8

ID # 2790

Packing Group: Packing Group III

DOT Regulations:

Acetic acid solution with more than 10% and less than 50% by mass.

Air Transportation:

Shipment size and packaging restricted.

Marine Pollutant:

Not a marine pollutant.

15 - REGULATORY INFORMATION

Chemical Weapons Convention: No		TSCA 12(b): Yes		CDTA: No
SARA 311/312:	Acute: No	Chronic: No	Fire: No	Pressure: No
Reactivity: No				

16. Other Information

To the best of our knowledge, the information contained herein is accurate. However, neither Red Arrow Products Company LLC, nor any of its subsidiaries or affiliates assume any liability whatsoever for completeness of this SDS or for the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

END OF SAFETY DATA SHEET