



RT 3001

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision Date: May 5, 2015

Supersedes: July 20, 2010

Version: 1.0

SECTION 1: IDENTIFICATION OF THE SUBSTANCE AND COMPANY CONTACT INFORMATION

1.1. Product Identifier

Product Code: RT 3001

Variants:

Synonyms: Water based Starch Adhesive

1.2. Intended End Use of the Product

Adhesive

1.3. Supplier Contact Information

Evans Adhesive

925 Old Henderson Rd

Columbus OH 43220

T 614-451-2665

www.evansadhesive.com

1.4. Emergency Telephone Number

For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accident, call CHEMTREC – 800-424-9300

SECTION 2: HAZARDS IDENTIFICATION

2.1. Hazard Classification of the Substance

Eye Irrit. 2A H319

Aquatic Acute 3 H402

2.2. Label Elements

Signal Word: Danger

Hazard Statements: H319 - Causes serious eye irritation.

H402 - Harmful to aquatic life.

Hazard Pictograms:



GHS07

Precautionary Statements: P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.

P264 - Wash hands, forearms, and exposed areas thoroughly after handling.

P273 - Avoid release to the environment.

P280 - Wear protective clothing, protective gloves, face protection.

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.

P405 - Store locked up.

P501 - Dispose of contents/container according to local, regional, national, and international regulations.

2.3. Other Hazards

Exposure may aggravate those with pre-existing eye, skin or respiratory conditions

2.4. Unknown Acute Toxicity (GHS-US)

This mixture contains < 1% components of unknown toxicity.

SECTION 3: COMPOSITION/INFORMATION ON RAW MATERIALS

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product Identifier	%	Classification
Sodium nitrate	(CAS No) 7631-99-4	10-30	Eye Irrit. 2A, H319
Sodium o-phenylphenol	(CAS No) 132-27-4	< 1	Aquatic Acute 3, H402

3.3. Chemicals with Trade Secret Claimed

Not applicable

SECTION 4: FIRST AID MEASURES**4.1. First Aid Instructions**

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

After Inhalation: When symptoms occur, go into open air and ventilate suspected area.

After Skin Contact: Rinse immediately with plenty of water (for at least 15 minutes). Obtain medical attention if irritation persists.

After Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing. Obtain medical attention if irritation persists.

After Ingestion: Rinse mouth. Do NOT induce vomiting.

4.2. Potential symptoms and effects (both acute and delayed)

Symptoms/Injuries: Causes serious eye irritation.

After Inhalation: May cause respiratory irritation.

After Skin Contact: May cause skin irritation.

After Eye Contact: Causes serious eye irritation.

After Ingestion: Ingestion is likely to be harmful or have adverse effects.

4.3. Recommendations if Immediate Medical Attention is Needed

If you feel unwell, seek medical advice (show the label where possible).

SECTION 5: FIREFIGHTING MEASURES**5.1. Extinguishing Media**

Suitable Extinguishing Media: Use extinguishing media appropriate for surrounding fire.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream may spread fire.

5.2. Specific Hazards Arising From the Substance

Fire Hazard: Contains an oxidizing material which may accelerate fire.

Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

5.3. Recommendations for Firefighters

Firefighting Instructions: Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. Prevent fire-fighting water from entering environment.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1. Personal Precautions, Protective Equipment and Emergency Procedures**

General Measures: Do not allow product to spread into the environment. Handle in accordance with good industrial hygiene and safety practice.

6.1.1. For Non-emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

6.1.2. For Emergency Responders

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Ventilate area.

6.2. Environmental Precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

6.3. Methods and Material for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clear up spills immediately and dispose of waste safely. Contact competent authorities after a spill.

6.4. Reference to Other Sections

See heading 8, Exposure Controls and Personal Protection. Concerning disposal elimination after cleaning, see item 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Precautions for Safe Handling: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

7.2. Conditions for Safe Storage, Including Incompatibilities

Storage Conditions: Store in a dry, cool and well-ventilated place. Protect from freezing.

Incompatible Products: Strong acids. Combustible materials. Strong bases.

7.3. Specific End Use(s)

Adhesive

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1. Control Parameters

None

8.2. Exposure Controls

Appropriate Engineering Controls: Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Personal Protective Equipment: Gloves. Safety glasses. Protective clothing.



Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear chemically resistant protective gloves.

Eye Protection: Chemical goggles or safety glasses.

Skin and Body Protection: Wear suitable protective clothing. Wash contaminated clothing before reuse.

Respiratory Protection: Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.

Environmental Exposure Controls: Do not allow the product to be released into the environment.

Other Information: When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State	: Liquid
Appearance	: Off White
Odor	: Mild
Odor Threshold	: No data available
pH	: 7.0-8.0
Melting Point	: No data available
Freezing Point	: 0 °C (32 °F, Water)

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Boiling Point	: 100 °C (212 °F, Water)
Flash Point	: Water Based System
Relative Evaporation Rate (butylacetate=1)	: <1
Flammability (solid, gas)	: Water Based System
Vapor Pressure	: 17.535 (Water)
Relative Vapor Density at 20 °C	: No data available
Relative Density	: No data available
Solubility	: Soluble in water
Partition coefficient: n-octanol/water	: No data available
Auto-ignition Temperature	: Water Based System
Decomposition Temperature	: No data available
Specific Gravity	: 1.03
Viscosity	: No data available

SECTION 10: STABILITY AND REACTIVITY

- 10.1 Reactivity:** Contains an oxidizing material which may accelerate fire.
- 10.2 Chemical Stability:** Stable under normal ambient conditions.
- 10.3 Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.
- 10.4 Conditions to Avoid:** Extremely high or low temperatures.
- 10.5 Incompatible Materials:** Strong acids. Combustible materials. Strong bases.
- 10.6 Hazardous Decomposition Products:** Carbon oxides (CO, CO₂). Under conditions of fire this material may produce: Nitrogen oxides. Sodium oxides. Boron compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects

Acute Toxicity : Not classified

Sodium o-phenylphenol (132-27-4)	
LD50 Oral Rat	646 mg/kg

skin

Sodium Nitrate (7631-99-4)	
LD50 Oral Rat	> 2000 mg/kg

Skin Corrosion/Irritation: Causes irritation.

Serious Eye Damage/Irritation:

Causes serious eye irritation.

Respiratory or Skin Sensitization: Not classified

Germ Cell Mutagenicity: Not classified

Carcinogenicity: Not classified.

Reproductive Toxicity: Not classified.

Specific Target Organ Toxicity (Single Exposure): Not classified

Specific Target Organ Toxicity (Repeated Exposure): Not classified.

Aspiration Hazard: Not classified

Symptoms After Inhalation: May cause respiratory irritation.

Symptoms After Skin Contact: May cause skin irritation.

Symptoms After Eye Contact: Causes serious eye irritation.

Symptoms After Ingestion: Ingestion is likely to be harmful or have adverse effects.

Chronic Symptoms: None known.

SECTION 12: ECOLOGICAL INFORMATION

- 12.1. Toxicity:** Harmful to aquatic life.

Sodium Nitrate (7631-99-4)	
LC50 Fish 1	2000 mg/L (Exposure time: 96 hr - Lepomis macrochirus)

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LC50 Fish 2	994.4 – 1107 mg/L (Exposure time: 96 hr – Oncorhynchus mykiss)
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12.2. Persistence and Degradability: Not established

Sodium nitrate (7631-99-4)	
Persistence and Degradability	Readily biodegradable in water.

12.3. Bioaccumulative Potential: Not established

Sodium nitrate (7631-99-4)	
Bioaccumulative Potential	Not expected to bioaccumulate.
Log Pow	-3.8 (at 25 °C)

12.4. Mobility in Soil: No additional information available

12.5. Other Adverse Effects

Avoid release to the environment

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, and international regulations.

Additional Information: Avoid release to the environment

SECTION 14: TRANSPORT INFORMATION

In Accordance With ICAO/IATA/DOT/TDG

14.1. UN Number

Not regulated for transport

14.2. UN Proper Shipping Name

Not regulated for transport.

14.3. Additional Information

Transport by Sea: Not regulated for transport.

Air Transport: Not regulated for transport.

SECTION 15: REGULATORY INFORMATION

15.1 US Federal Regulations

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SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard Delayed (chronic) health hazard

Sodium o-phenylphenol (132-27-4)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory Listed on United States SARA Section 313	
SARA Section 313 - Emission Reporting	0.1 %

Sodium nitrate (7631-99-4)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

15.2 US State Regulations

Sodium o-phenylphenol (132-27-4)	
U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List	
U.S. - California - Proposition	WARNING: This product contains chemicals

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65 - Carcinogens List	known to the State of California to cause cancer.
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Sodium nitrate (7631-99-4)
U.S. - Massachusetts - Right To Know List
U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: OTHER INFORMATION

Revision Date: May 5, 2015

Other Information: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

GHS Full Text Phrases:

Aquatic Acute 3	Hazardous to the aquatic environment - Acute Hazard Category 3
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
H319	Causes serious eye irritation
H402	Harmful to aquatic life

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