



SAFETY DATA SHEETS

TOOLBOX TALK SERIES – CHEMICAL SAFETY

June 2022

Safety Data Sheets provide employees and first responders with valuable information on chemical substances. Knowing how to find and read Safety Data Sheets is an essential skill in the workplace.

How to Find a Safety Data Sheet

About two years ago, the Town of Perinton switched from a paper to digital Safety Data Sheet Management System. Numerous posters with QR codes are throughout our facilities. You can also go to Perinton.org -> Department -> Safety and Security -> Right to Know to access the system.

SDS Employee Access

Welcome to the Town of Perinton Online SDS Database. If you have a product that is not in the database or additional questions, please contact John Overacker in Safety and Security at 585-223-0770 ext. 1182. Hard copies available upon request.

Select All | Deselect All

Menu	Product Name ↑	File	Manufacturer Name	Version Date ↓	Locations	Work Areas
<input type="checkbox"/>	#1063 Hard Surface Disinfect...	57kB	Hillyard Industries, Inc.	11/07/2014	Town Hall and Community Ce...	Facility Wide
<input type="checkbox"/>	#845 Insulator Wax	497kB	The Collinite Corporation	05/20/2019	Department of Public Works	Facility Wide

Reading a Safety Data Sheet

1. Identification

Product identifier	RE-JUV-NAL
Other means of identification	
SDS number	587N-047C
Product code	HIL00166
Product registration number	1639-169-1658
Recommended use	Disinfectant/Cleaner
Recommended restrictions	For Labeled Use Only
Manufacturer/Importer/Supplier/Distributor information	
Company name	HILLYARD INDUSTRIES
Address	302 North Fourth St. St. Joseph, MO 64501
Contact person	Regulatory Affairs
Telephone number	(816) 233-1321 (Ext. 8285)
Fax	(816) 383-8485
E-mail	regulatoryaffairs@hillyard.com
Emergency telephone #	(800) 424-9300 (Only in the event of chemical emergency involving a spill, leak, fire, exposure or accident involving chemicals)

Section 1 – Identification

Provides the name and recommended use of the chemical. Also provides information on the Manufacturer including both their emergency telephone number and their business number.

Section 2 – Hazard Identification

This section provides information on the hazard classifications of the substance. This includes physical, health and environmental hazards. Labeling requirements and statements are also provided.

2. Hazard(s) identification

Physical hazards	Not classified.
Health hazards	Skin corrosion/irritation Category 2 Serious eye damage/eye irritation Category 1
Environmental hazards	Hazardous to the aquatic environment, acute hazard Category 2 Hazardous to the aquatic environment, long-term hazard Category 2
OSHA defined hazards	Not classified.
Label elements	



Signal word	Danger
Hazard statement	Causes skin irritation. Causes serious eye damage. Toxic to aquatic life. Toxic to aquatic life with long lasting effects.
Precautionary statement	
Prevention	Wash thoroughly after handling. Avoid release to the environment. Wear eye protection/face protection. Wear protective gloves.
Response	If on skin: Wash with plenty of water. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Collect spillage.



Section 3 – Composition

Provides information on the chemical composition of the substance. This section will typically include compounds that make up the substance. In the case of proprietary substances, this could be truncated or empty.

3. Composition/information on ingredients

Chemical name	Common name and synonyms	CAS number	%
Alkyl dimethyl benzyl ammonium chloride (C12-16)		68424-85-1	2.170%
Octyl decyl dimethyl ammonium chloride		32426-11-2	1.627%
Didecyl dimethyl ammonium chloride		7173-51-5	0.814%
Diocetyl dimethyl ammonium chloride		5538-94-3	0.814%
Other components below reportable levels			94.57622008

4. First-aid measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
Ingestion	Rinse mouth thoroughly. Drink water as a precaution. Never give anything by mouth to a victim who is unconscious or is having convulsions. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Skin irritation. May cause redness and pain. Causes severe irritation and/or burns.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

Section 4 – First Aid Measures

This section provides first aid measures based on body part if there is an exposure. Typically all routes of entry are addressed in this section.

Section 5 – Firefighting Measures

This section provides information on how to deal with the substance in the event of fire. This section will provide information on special suppression media if needed as well as needed firefighting equipment.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
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Material name: RE-JUV-NAL
HL00166 Version #: 05 Revision date: 01-11-2022 Issue date: 03-11-2015

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Methods and materials for containment and cleaning up

This product is miscible in water. Prevent product from entering drains.
Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.
Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Environmental precautions

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

Section 7 – Safe Handling and Storage

This section will provide the reader with information on how to safely handle and store the substance.

7. Handling and storage

Precautions for safe handling

Do not get this material in contact with eyes. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS). DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL. PESTICIDE STORAGE – Store in original container in a cool (temperature no lower than 50oF or higher than 120°F), dry and locked storage area inaccessible to children.



8. Exposure controls/personal protection

Occupational exposure limits
 The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

Biological limit values No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station and safety shower.

Individual protection measures, such as personal protective equipment

Eye/face protection Avoid contact with eyes. Chemical safety goggles when working with concentrate.

Skin protection

Hand protection Wear appropriate chemical resistant gloves.

Other None normally required. If unable to avoid prolonged or repeated contact with skin, wear impervious clothing.

Respiratory protection Not normally required with adequate ventilation. If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

Thermal hazards None known.

General hygiene considerations Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Section 8 – Exposure Controls / Personal Protection

This section provides information on necessary measures to prevent exposure. This typically includes the OSHA occupational limits. Additionally, it will provide the necessary PPE to protect a worker. Eye/Face Protection, Hand Protection, Skin Protection and respiratory are all addressed.

Section 9 – Chemical Physical Properties

This section provides the physical properties of the substance. Typically this will include appearances, odor, pH, odors, melting points, boiling points, flash points, etc.

9. Physical and chemical properties

Appearance	Clear, red liquid
Physical state	Liquid.
Form	Liquid.
Color	Red
Odor	Floral fragrance
Odor threshold	Not available
pH	6 - 7 Concentrate
Melting point/freezing point	Not applicable / Not available
Initial boiling point and boiling range	201 °F (93.89 °C)
Flash point	> 200.0 °F (> 93.3 °C) Tag Closed Cup

10. Stability and reactivity

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous reactions No dangerous reaction known under conditions of normal use.

Conditions to avoid Avoid temperatures exceeding the flash point. Contact with incompatible materials.

Incompatible materials Strong oxidizing agents.

Hazardous decomposition No hazardous decomposition products are known.

Section 10 – Stability and Reactivity

This section provides information on incompatible chemicals and situations to avoid with this substance.

Section 11 – Toxicological Information

This section provides information on what happens to parts of the body when exposed to this chemical. It also provides lists of symptoms of exposure.

11. Toxicological information

Information on likely routes of exposure

Inhalation Prolonged inhalation may be harmful.

Skin contact Causes skin irritation.

Eye contact Causes serious eye damage.

Ingestion Expected to be a low ingestion hazard.

Symptoms related to the physical, chemical and toxicological characteristics Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Skin irritation. May cause redness and pain.

Information on toxicological effects

Acute toxicity Not known.

Product	Species	Test Results
RE-JUV-NAL		
Acute		
Dermal	Rabbit	332100 mg/kg
Oral	Rat	9741 mg/kg
LD50		

12. Ecological information

Ecotoxicity Toxic to aquatic life with long lasting effects.

Product	Species	Test Results
RE-JUV-NAL		
Aquatic		
Crustacea	EC50 Daphnia	126 6558, 48 hours
Fish	LC50 Fish	58.9702, 96 hours
Acute		
Crustacea	EC50 Daphnia	49.903, 48 hours estimated
Fish	LC50 Fish	0.0061, 96 hours estimated
Components	Species	Test Results
Alkyl dimethyl benzyl ammonium chloride (C12-16) (CAS 68424-85-1)		
Aquatic		
Acute		
Fish	LC50 Striped bass (Morone saxatilis)	>= 10.4 - <= 19.1 mg/l, 96 hours
Didcyl dimethyl ammonium chloride (CAS 7173-51-5)		
Aquatic		
Acute		
Fish	LC50 White sturgeon (Acipenser transmontanus)	>= 0.0001 - <= 0.001 mg/l, 96 hours

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential No data available.

Mobility in soil No data available.

Section 12 – Ecological Information

This section provides information on how the environment will react to a release of this substance. Usually it will show if it is toxic to animals and how it will react in soil.



**Town of Perinton
Safety and Security
1350 Turk Hill Road, Fairport, NY 14450**

Section 13 – Disposal Considerations

This section provides information on how to safely dispose of waste product as well as packaging.

13. Disposal considerations

Disposal instructions	PESTICIDE DISPOSAL - Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	CONTAINER DISPOSAL - Non-refillable container. Do not reuse or refill this container. Clean container promptly after emptying. After rinsing container, offer empty metal drums or plastic containers for recycling if available or puncture and dispose of in a sanitary landfill or by incineration. RINSING INSTRUCTIONS - Triple rinse container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/2 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not established.

Section 14 – Transport Information

This section provides regulatory information on how to transport this product in commerce.

Section 15 - Regulatory Information

This section provides information on what regulations apply to this product. Typically these will be Federal standards.

15. Regulatory information

US federal regulations	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List or Exempt.
Toxic Substances Control Act (TSCA)	One or more components of the mixture are not on the TSCA 8(b) inventory or are designated "inactive".
TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)	Not regulated.
CERCLA Hazardous Substance List (40 CFR 302.4)	Not listed.
SARA 304 Emergency release notification	Not regulated.
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)	Not listed.

16. Other information, including date of preparation or last revision

Issue date	03-11-2015
Revision date	01-11-2022
Version #	05
HMIS® ratings	Health: 3 Flammability: 0 Physical hazard: 0

Disclaimer
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Section 16 – Other Information

This section provides any additional information not covered in the sections above. This includes the issue and revision dates. In this case they also included the HMIS Ratings for health, flammability and physical hazards.

LEARN HOW TO FIND AND READ A SAFETY DATA SHEET. DURING AN EMERGENCY IS NOT THE TIME TO LEARN