Johnson Screens

Safety Data Sheet

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

Date of issue: 11/14/2024 Revision Date: 11/14/2024 Version 1.0

(English US)

SECTION 1: IDENTIFICATION

1.1 Product Identifier

Product Name: Nu-Well Descale Shield
Product Code: NW-140
Synonyms: Non-Hazardous Organic Compound
Product Form: Liquid
Chemical Family: Buffered mineral acid

1.2 Intended Use of the Product

Use of the substance: Liquid acid used to clean waterborne deposits.
Use of the substance: For professional use only.

1.3 Contact Information of the Manufacturer

Johnson Screens
1950 Old Highway 8 NW
New Brighton, MN 55112
USA
Telephone: +1-800-262-8200 USA
+1-703-741-5500 International
http://www.johnsonscreens.com/

1.4 Emergency Telephone Number

Emergency Number: +1-800-424-9300 USA
+1-703-741-5500 International
CHEMTREC

SECTION 2: HAZARDOUS IDENTIFICATION

2.1. GHS Classification of the substance or mixture

Acute Toxicity – Oral	Category 5
Skin Corrosion/Irritation	Category 3
Serious Eye Damage/Eye Irritation	Category 2B

2.2. GHS Label Elements

Hazard Pictograms (GHS-US):

Signal Word: Warning
Hazard Statements: May be harmful if swallowed.
Causes mild skin irritation.
Causes eye irritation.

2.3. Other Hazards

May cause mild irritation if not rinsed off with soap and water
May cause eye irritation if not rinsed out with copious amounts of water

2.4 Unknown Acute Toxicity (GHS-US)

Hazards not otherwise classified (HNOC or not covered by GHS) – Not Applicable

SECTION 3: COMPOSISTION/INFORMATION ON INGREDIENTS

3.1 Substance: The identity of this material is a trade secret (29 CFR 1910.1200(i)) and is available to any attending physician, paramedical personnel and/or spill response personnel in the case of an emergency. Proprietary ingredient is non-toxic.

3.2 Mixture

Not Applicable

SECTION 4: FIRST AID MEASURES

4.1 Description of First Aid Measures

First-aid Measures after Inhalation: Remove to fresh air, if symptoms persist, seek medical attention.

First-aid Measures after Skin Contact: Remove contaminated clothing. Wash exposed area with soap and water for at least 15 minutes. Launder clothes before reuse. Call a physician if rash or other symptoms develop.

First-aid Measures after Eye Contact: Flush with water for at least 15 minutes while holding eyelids open. Call a physician if irritation persists. If worn, remove contacts after first 5 minutes.

First-aid Measures after Ingestion: If ingested, may cause loose stools. Drink plenty (2-3 glasses) of water and immediately consult a physician. Do not induce vomiting.

4.2 Overview – Potential Health Effects

Symptoms/Injuries after Inhalation: May cause respiratory tract irritation. Low hazard for usual industrial handling.

Symptoms/Injuries after Skin Contact: May cause skin irritation. Low hazard for usual industrial handling.

Symptoms/Injuries after Eye Contact: May cause eye irritation.

Symptoms/Injuries after Ingestion: Ingestion of large amounts may cause gastrointestinal irritation. Low hazard for usual industrial handling.

Chronic Symptoms: No information found.

4.3 Indication of any Immediate Medical Attention and Special Treatment Needed

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

SECTION 5: FIRE FIGHTING 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 of water may spread product.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Not flammable.

Explosion Hazard: Product is not explosive.

Reactivity: Reacts with (strong) oxidizers: (increased) risk of fire. Contact with metals may evolve flammable hydrogen gas.

5.3. Advice for Firefighters Precautionary Measures Fire: Exercise caution when fighting any chemical fire. Under fire conditions, hazardous fumes will be present.

Firefighting Instructions: Keep upwind. Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Firefighters must use full bunker gear including NIOSH-approved positive pressure self-contained breathing apparatus to protect against potential hazardous combustion or decomposition products and oxygen deficiencies. Evacuate area and fight the fire from a maximum

distance or use unmanned hose holders or monitor nozzles. Cover pooling liquid with foam. Containers can build pressure if exposed to radiant heat; cool adjacent containers with flooding quantities of water until well after the fire is out. Withdraw immediately from the area if there is a rising sound from a venting safety device or discoloration of vessels, tanks, or pipelines. Be aware that burning liquid will float on water. Notify appropriate authorities if liquid enters sewers or waterways.
Other Information: Do not allow the product to be released into the environment. Do not allow run-off from firefighting to enter drains or water sources.

SECTION 6: Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Avoid all unnecessary exposure. Do not get in eyes, on skin, or on clothing. Do not breathe vapor, mist, or spray.

6.1.1 For Non-emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).
Emergency Procedures: Evacuate unnecessary personnel. Keep upwind.

6.1.2 For Emergency Responders

Protective Equipment: Equip cleanup crew with proper protection.
Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

6.2 Environmental Precautions

Avoid unnecessary release into the environment. Notify authorities if undiluted product enters sewers or public waters.

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: Ventilate area. Clean up spills immediately and dispose of waste safely. Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Collect absorbed material and place into a sealed, labeled container for proper disposal. Practice good housekeeping - spillage can be slippery on smooth surface either wet or dry.

6.4 Reference to Other Sections

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

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling

Additional Hazards When Processed: Any proposed use of this product in an elevated temperature process should be thoroughly evaluated to assure that safe operating conditions are established and maintained.
Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Always wash your hands immediately after handling this product, and once again before leaving the workplace. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink, or smoke in areas where product is used.
Storage Conditions: Store in a dry, cool, and well-ventilated area. Keep container closed when not in use. Store away from oxidizers and caustic products. Storage areas should be periodically checked for damage and integrity.
Incompatible Products: Strong oxidizers. Strong bases.

7.2 Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Observe all regulations and local requirements regarding storage of containers. Container remains hazardous when empty, unless properly cleaned. Continue to observe all precautions. Containers and equipment used to handle this product should be exclusively for this material.

7.3 Specific End Use(s)

Solution used to clean wells and pipelines of scale and biofilm; use at a rate of 1 to 10% of the cleaning solution; for professional use only.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters

For substances listed in Section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), or OSHA (PEL).

8.2 Exposure Controls

Appropriate Engineering Controls: Emergency eye wash fountain should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilations, especially in confined areas. Ensure all national/local regulations are observed.

Personal Protective Equipment: Face shield. Protective goggles. Protective clothing. Gloves. Insufficient ventilation: wear respiratory protection.

Materials for Protective Clothing: Corrosion proof materials and fabrics.

Hand Protection: Impermeable protective gloves.

Eye Protection: A full face shield is recommended. Chemical safety goggles.

Skin and Body Protection: Wear suitable protective clothing.

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.

Consumer Exposure Controls: Do not eat, drink, or smoke during use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties

Physical State:	Liquid	Odor:	Slight chemical odor
Appearance:	Colorless to yellow	Auto Ignition Temp:	N/A
pH:	1.6	Specific Gravity:	1.152
Boiling point:	100 °C (212 °F)	Freezing point:	-31.6°C (-24.9°F) – clouding will occur
Solubility:	Water (complete)		

9.2 Other Information: No additional information

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity: This material is considered to be non-reactive under normal conditions of use.
10.2 Chemical Stability: Stable under recommended handling and storage conditions (see Section 7).
10.3 Possibility of Hazardous Reactions: No data available.
10.4 Conditions to Avoid: Strong oxidizers.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects

Acute Toxicity: Not Classified.
LD50 Oral Rat: 3240 mg/kg
DOT Skin Corrosion – Rabbit (4-hr exp): Non-corrosive
Respiratory or Skin Sensitization: Not Classified.
Germ Cell Mutagenicity: Not Classified.
Carcinogenicity: Not listed by ACGIH, IARC, NTP, or CA Prop 65.
Reproductive Toxicity: No information available.
Specific Target Organ Toxicity (single exposure): Not Classified.
Specific Target Organ Toxicity (repeated exposure): Not Classified.
Aspiration Hazard: Not Classified.
Symptoms/Injuries after Skin Contact: May cause skin irritation.
Symptoms/Injuries after Eye Contact: May cause eye damage if not rinsed immediately.
Symptoms/Injuries after Ingestion: May cause burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. Swallowing a large quantity of this material may pose a serious health hazard.
Chronic Symptoms: None expected under normal conditions of use.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Ecology – Water:	Hach Reactor Digestion method for Waste Water and Sea Water. Hach Reactor Digestion Method is a semi-micro adaptation of the Standard Methods.
Results:	NW-140 Descale Shield was found to be 100% biodegradable.
COD/BOD:	COD = 11,000 ml/L, BOD = 150 mg/L @ 5 days and 170 mg/L @ 10 days

12.2 Persistence and Degradability

N/A

12.3 Bioaccumulation Potential: Non-bioaccumulating
12.4 Mobility in Soil: Product is slightly viscous and has limited mobility in soils.
12.5 Other Adverse Effects: No additional information available

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed.
RCRA U-Series: None listed.

SECTION 14: TRANSPORTATION INFORMATION

This material is not regulated for transport.
Marine Pollutant: This product is not a marine pollutant.

The proper shipping name and/or hazard class for this product may vary according to packaging, properties and mode of transportation. Customer is urged to consult 49 CFR 100-177, IMDG, IATA, EC, United Nations TDG and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods. Typical proper shipping names for this product are:

US Department of Transportation (DOT): Non-Regulated as a Hazardous Material
Canadian TDG (Transportation of Dangerous Goods): UN 1760, Corrosive Liquid, N.O.S., (Synthetic Acid, Class 8, PG III (by aluminum only). Note: The original manufacturer, formulator and/or blender has determined this product to be corrosive to Aluminum as per TDG criteria, standards and/or regulations, >6.25 mm/year at 55C.
IMO (Water Transportation): Not Regulated as a Hazardous Material
IATA (Air Transportation): Not Regulated as a Hazardous Material
Rail: Not Evaluate

SECTION 15: REGULATORY INFORMATION

15.1 US Federal

TSCA:
All components of this product are listed on the TSCA inventory.
Health & Safety Reporting List:
None of the chemicals are on the Health & Safety Reporting List. Chemical Test Rules.
None of the chemicals in this product are under a Chemical Test Rule. Section 12b.
None of the chemicals are listed under TSCA Section 12b.
TSCA Significant New Use Rule:
None of the chemicals in this material have a SNUR under TSCA.
CERCLA Hazardous Substances and Corresponding RQs:
None of the chemicals in this material have an RQ.
SARA Section 302 Extremely Hazardous Substances:
None of the chemicals in this product have a TPQ.
Section 313:
No chemicals are reportable under Section 313.
Clean Air Act:
This material does not contain any hazardous air pollutants.
This material does not contain any Class 1 Ozone depletors.
This material does not contain any Class 2 Ozone depletors.
Clean Water Act:
None of the chemicals in this product are listed as Hazardous Substances under the CWA.
None of the chemicals in this product are listed as Priority Pollutants under the CWA.
None of the chemicals in this product are listed as Toxic Pollutants under the CWA.
OSHA:
None of the chemicals in this product are considered highly hazardous by OSHA.

15.2 State

This chemical is not present on state lists from CA, PA, MN, MA, FL, or NJ.

California Proposition 65: This product does not contain any chemicals currently on the California list of known carcinogens and reproductive toxins.

15.3 European Economic Community

European/International Regulations
European Labeling in Accordance with EC Directives
Classification per Directive 67/548/EEC or 1999/45/EC
Not Classified
Risk Phrases: None allocated
Safety Phrases: S2-Keep out of reach of children
S24/25 Avoid contact with skin and eyes
WGK, Germany (Water danger/protection): No data available

15.4 Canada

Canada – DSL/NDSL: This product is listed on Canada's DSL List.
Canada – WHMIS: Class E – by aluminum corrosion only. This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all of the information required by those regulations.
Canada Ingredient Disclosure List: NW-140 Descale Shield contains no reportable ingredients as per the National Pollutant Release Inventory substance lists.

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Date of Issue: 12/01/2024
Revision Date: N/A Version: 1 (English US)

HS Tariff Classification Number: 3402.90.5030 preference criterion B
Other Information: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.