NEW LOGIC RESEARCH
2527 Aviation Way, Minden NV 89423 USA • 775.783.7600 • www.vsep.com

I. Product and Supplier Information

Product Name: NLR758
Product Number: NA
Product Synonyms: Sodium Carbonate Perhydroxide

SDS Number: NLR758-2020
Publication Date: 1-MAR-2020

Supplier: New Logic Research, Inc.
2527 Aviation Way
Minden NV 89423

Phone: 775-783-7600

Web page: www.vsep.com

Manufacturer:
King Lee Technologies
8949 Kenamar Dr Bldg 107
San Diego CA 92121

Product Information: 510-655-7305
Transportation Emergency: 800-424-9300

II. Hazard(s) Identification

Classification of the substance or mixture:
HCS 2012 (29CFR 1910.1200)

H315 Causes skin irritation
H335 May cause respiratory irritation
H302: Harmful if swallowed.
H318: Causes serious eye damage

Label elements:
HCS 2012 (29CFR 1910.1200)
Pictogram:

Signal Word: WARNING

Hazard Statements:
H303 May be harmful if swallowed.
H315 Causes skin irritation
H319 Causes serious eye irritation
H335 May cause respiratory irritation

NFPA (National Fire Protection Association) - Classification
Health 2 - moderate
Flammability 0 - minimal

Reactivity	0 - minimal
Special Notes	

HMIS (Hazardous Materials Identification System - Classification

Health	2 - moderate
Flammability	0 - minimal
Reactivity	0 - minimal
PPE	Determined by user

III. Composition / Information on Ingredients

SUBSTANCE:

This product is a proprietary formulation of generally available chemical ingredients.

Complying with 29 CFR 1910.1200 (d), each ingredient in this formulation has been reviewed with the "Guide to Occupational Exposure Values - 2012" published by ACGIH. None of the ingredients have listed occupatio exposure values, and can be considered generally safe if handled with due care

HAZARDOUS INGREDIENTS:

Chemical Name	CAS No	Concentration
Phosphonic Acids	2809 -21-4	<=25

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

IV. First Aid

In case of Inhalation:

Move to fresh air

If symptoms persist, call a physician

In case of skin contact

Wash from skin with soap and water

In case of eye contact

Flush eyes with excess water

In case of ingestion

Rinse mouth and throat. Drink water or milk

Most important symptoms and effects, both acute and delayed

In case of Inhalation:

Effects - May cause nose, throat and lung irritation

In case of skin contact

Effects - May cause nose, throat and lung irritation

In case of eye contact

Symptoms - Redness, Lachrymation, Swelling of tissue

Effects - Severe eye irritation, Risk of serious damage to eyes

In case of ingestion

Symptoms - Severe irritation, Nausea, Abdominal pain, Vomiting, Diarrhea

Indication of any immediate medical attention and special treatment needed
No data available

V. Fire Fighting Measures

Conditions of Flammability……..... Non-flammable
Flash Point..…….... Not applicable
Auto-ignition Temperature…… Not available
Upper Flammable Limit ……... Not available
Lower Flammable Limit..……... Not available

If involved in a fire, oxides of phosphorous may be generated. Phosphine gas may be formed when heated beyond the evaporation of all the water.

VI. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures
Advice for non-emergency personnel

Keep away from incompatible products

Advice for emergency personnel

Dike far ahead of spill for later recovery or disposal.

Stop spill/release if possible with minimal risk

Environmental precautions

Should not be released into the environment

Limited quantity - Flush into sewer with plenty of water

Large quantities - If the product contaminates rivers and lakes or drains inform respective authorities

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Methods and materials for containment and cleaning up

Mop or wet vac up
All receiving equipment should be clean, vented, dry, labeled and made of material that is compatible with the product

Reference to other sections

N/A

VII. Handling and Storage

Technical measures/Storage conditions

Keep in a dry place.

Keep in a cool, well-ventilated place.

Keep only in the original container.

Keep away from direct sunlight.

The container must be used exclusively for the product.

In industrial installations, apply the rules for the prevention of major accidents (consult an expert).

Keep away from incompatible products

Specific End Use(s)

Contact New Logic for specific use information

VIII. Exposure Controls and Personal Protection

Individual protection measures

Respiratory protection

Use NIOSH approved respirator if conditions warrant

Hand protection

Water impenetrable gloves that can be washed
Suitable material
- PVC
- Neoprene
- Natural Rubber

Wash gloves and hands before touching anything else.

Eye protection

Chemical safety goggles recommendable

Skin and body protection

Work overalls would prevent contamination of street clothes

Hygiene measures

- Use only in an area equipped with a safety shower.
- Eye wash bottle with pure water
- Handle in accordance with good industrial hygiene and safety practice for diagnostics.

IX. Physical Data

Physical State..... Clear, colorless, odorless solution
Odor Threshold..... Not applicable
Specific Gravity (Water=1)..... 1.03
Vapor Pressure (mm Hg, 20oC)..... As water
Evaporation Rate..... Not available
Boiling Point..... > 100 C
Freeze/Melting Point..... Not available
pH..... 10.4-10.6 (1% aqueous solution)
Water/Oil Distribution Coefficient..... Not available
Bulk Density..... Not available
Solubility in Water..... Soluble in water
% Volatiles by Volume..... 0

X. Stability and Reactivity

Reactivity

Polymerization will not occur

Chemical stability

- Stable under recommended storage conditions.
- Avoid heat and direct sun

Possibility of hazardous reactions

If involved in a fire, oxides of phosphorous may be generated. Phosphine gas may be formed when heated beyond the evaporation of all the water

Incompatible materials

Avoid contact with caustic and strong oxidizing agents

XI. Toxicological Information

Poses no acute toxicological properties that would require special handling, other than good hygienic practices.

Further information

Harmful if swallowed.
Risk of serious damage to eyes.
Irritating to respiratory system and skin.

XII. Ecological Information

This aqueous antiscalant is used at less than 10ppm in RO feedwater, and is discharged with RO reject to municipal sewers. It contains no toxic components, and there is no reported ecological harm.

XIII. Disposal Considerations

Waste treatment methods

Product Disposal

- Dilute with plenty of water.
- Can be sewered, when in compliance with local regulations.

Advice on cleaning and disposal of packaging

- Clean container with water.
- Empty containers should be taken to an approved waste handling site for recycling or disposal.

XIV. Transportation Information

UN number:	NOT REGULATED
Proper Shipping Name:	NOT REGULATED
Transport Hazard Class:	NOT REGULATED
Labels:	NOT REGULATED
Packing Group:	NOT REGULATED
ERG number:	NOT REGULATED
Marine pollutant:	NO

Special precautions for user

EMS	F-A, S-Q

XV. Regulatory Information

US. EPA EPCRA SARA Title III

Fire Hazard	NO
Reactivity Hazard	no
Sudden Release of Pressure Hazard	no
Acute Health Hazard	no

Chronic Health Hazard no

Section 313 Toxic Chemicals (40 CFR 372.65)
This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Section 302 Emergency Planning Extremely Hazardous Substance Threshold Planning Quantity (40 CFR 355)
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section 302 Emergency Planning Extremely Hazardous Substance Reportable Quantity (40 CFR 355)
This material does not contain any components with a SARA 302 RQ.

Section 304 Emergency Release Notification Reportable Quantity (40 CFR 355)
This material does not contain any components with a section 304 EHS RQ.

US. EPA CERCLA Hazardous Substances and Reportable Quantities (40 CFR 302.4)
This material does not contain any components with a CERCLA RQ.

California Safe Drinking Water & Toxic Enforcement Act (Proposition 65)
This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

XVI. Additional Information

SDS REVISION STATUS:

THIS SAFETY DATA SHEET (SDS) HAS BEEN PREPARED IN COMPLIANCE WITH THE FEDERAL OSHA HAZARD COMMUNICATION STANDARD, 29 CFR 1910.1200. THE INFORMATION IN THIS SDS SHOULD BE PROVIDED TO ALL WHO WILL USE, HANDLE, STORE, TRANSPORT, OR OTHERWISE BE EXPOSED TO THIS PRODUCT. WE BELIEVE THIS INFORMATION TO BE RELIABLE AND UP TO DATE AS OF ITS PUBLICATION DATE, BUT MAKE NO WARRANTY THAT IT IS. IF THIS SDS IS MORE THAN THREE YEARS OLD YOU SHOULD CONTACT THE SUPPLIER TO MAKE CERTAIN THAT THE INFORMATION IS CURRENT.

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