

SAFETY DATA SHEET

Issuing Date 07-Aug-2013

Revision Date 07-Aug-2022

Revision Number 0

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

GHS product identifier

Product Name NOBLE POWER METAL SAFE CONCENTRATED DETERGENT

Other means of identification

Product Code(s) 147POWERSAFE50

Synonyms 205RIN50BL

Recommended use of the chemical and restrictions on use

Recommended Use Institutional dishwashing detergent

Uses advised against No information available

Supplier's details

Manufactured for:
Clark Core Services, LLC
2205 Old Philadelphia Pike
Lancaster, PA 17602
1-888-256-6400

Emergency telephone number

Emergency Telephone Number CHEM-TEL, INC.
24 Hour Emergency Contact 1-800-255-3924

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200)

| | |
|-----------------------------------|------------|
| Skin Corrosion/Irritation | Category 2 |
| Serious Eye Damage/Eye Irritation | Category 2 |

GHS Label elements, including precautionary statements

Emergency Overview

| | |
|---|----------------|
| Signal Word Hazard Statements <ul style="list-style-type: none">• Causes skin irritation• Causes serious eye irritation | Warning |
|---|----------------|

**Appearance** White**Physical State** Solid.**Odor** No information available**Precautionary Statements****Prevention**

- Wash face, hands and any exposed skin thoroughly after handling
- Wear protective gloves/protective clothing/eye protection/face protection.

General Advice

- None

Eyes

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- If eye irritation persists: Get medical advice/attention.

Skin

- IF ON SKIN: Wash with plenty of soap and water
- If skin irritation occurs: Get medical advice/attention
- Take off contaminated clothing and wash before reuse.

Storage

- None

Disposal

- None

Hazard Not Otherwise Classified (HNOC)

Not applicable

Other information

No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms

205RIN50BL

| Chemical Name | CAS-No | Weight % | Trade secret |
|---------------------|------------|----------|--------------|
| Sodium chloride | 7647-14-5 | 15-30 | * |
| Sodium carbonate | 497-19-8 | 15-30 | * |
| Sodium metasilicate | 6834-92-0 | 15-30 | * |
| Alcohol Alkoxylate | 69013-18-9 | 1-5 | * |

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of necessary first-aid measures**Eye Contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention if symptoms occur.

| | |
|---------------------|---|
| Skin Contact | Wash off with warm water and soap. Remove and wash contaminated clothing before re-use. If symptoms persist, call a physician. |
| Inhalation | Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician. |
| Ingestion | Drink plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If swallowed, seek medical attention. |

Most important symptoms/effects, acute and delayed

Most Important Symptoms/Effects No information available.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to Physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media None

Specific Hazards Arising from the Chemical

No information available

Explosion Data

Sensitivity to Mechanical Impact

None.

Sensitivity to Static Discharge

None

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Personal Precautions Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Stop leak if you can do it without risk. If spilled, take caution, as material can cause surfaces to become very slippery.

Environmental Precautions

Environmental Precautions Dispose of contents/container to an approved waste disposal plant.

Methods and materials for containment and cleaning up

Methods for Containment Stop leak if you can do it without risk

Methods for Cleaning Up Contain spill, dilute with water and neutralize as required. Wash away small spills with plenty of water. Large spillage: Soak up with inert absorbent material.

7. HANDLING AND STORAGE**Precautions for safe handling**

| | |
|-----------------|---|
| Handling | Handle in accordance with good industrial hygiene and safety practice. Avoid breathing vapors or mists. Use only in area provided with appropriate exhaust ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Do not take internally. Wash thoroughly after handling. |
|-----------------|---|

Conditions for safe storage, including any incompatibilities

| | |
|------------------------------|--|
| Storage | Keep containers tightly closed in a dry, cool and well-ventilated place. Store at room temperature. Keep container closed when not in use. |
| Incompatible Products | Strong acids. |

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

| | |
|----------------------------|---|
| Exposure Guidelines | This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies. |
|----------------------------|---|

Appropriate engineering controls

| | |
|-----------------------------|--|
| Engineering Measures | Showers Eyewash stations Ventilation systems |
|-----------------------------|--|

Individual protection measures, such as personal protective equipment

| | |
|---------------------------------|-----------------------------------|
| Eye/Face Protection | Safety glasses with side-shields. |
| Skin and Body Protection | Rubber gloves. Latex gloves |
| Respiratory Protection | Particle filtering face piece |

| | |
|-------------------------|--|
| Hygiene Measures | Handle in accordance with good industrial hygiene and safety practice. |
|-------------------------|--|

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | | | |
|-----------------------|--------------------------|-----------------------|--------------------------|
| Physical State | Powder | Appearance | Powder |
| Odor | No information available | Odor Threshold | No information available |

| <u>Property</u> | <u>Values</u> | <u>Remarks/ - Method</u> |
|---|--------------------|--------------------------|
| pH | 12.8 | (4 % solution) |
| Melting Point/Range | No data available | None known |
| Boiling Point/Boiling Range | No data available | None known |
| Flash Point | No data available | None known |
| Evaporation rate | No data available | None known |
| Flammability (solid, gas) | No data available | None known |
| Flammability Limits in Air | | |
| upper flammability limit | No data available | |
| lower flammability limit | No data available | |
| Vapor Pressure | No data available | None known |
| Vapor Density | No data available | None known |
| Relative Density | No data available | None known |
| Specific Gravity | No data available. | None known |
| Water Solubility | 100% | None known |
| Solubility in other solvents | No data available | None known |
| Partition coefficient: n-octanol/water | No data available | None known |
| Autoignition Temperature | No data available | None known |
| Decomposition Temperature | No data available | None known |
| Viscosity | No data available | None known |

| | |
|-----------------------------|-------------------|
| Flammable Properties | Not flammable |
| Explosive Properties | No data available |
| Oxidizing Properties | No data available |

Other information

| | |
|------------------------|-------------------|
| VOC Content (%) | No data available |
|------------------------|-------------------|

10. STABILITY AND REACTIVITY

Reactivity

No data available.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.

Conditions to avoid

Incompatible products.

Incompatible materials

Strong acids.

Hazardous decomposition products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure**Product Information**

| | |
|---------------------|--|
| Inhalation | May cause irritation of respiratory tract. |
| Eye Contact | Causes serious eye irritation. |
| Skin Contact | Causes skin irritation. |
| Ingestion | May be harmful if swallowed. |

| Chemical Name | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|---------------------|----------------------|----------------------|-----------------------------------|
| Sodium chloride | = 3 g/kg (Rat) | > 10 g/kg (Rabbit) | > 42 g/m ³ (Rat) 1 h |
| Sodium carbonate | = 4090 mg/kg (Rat) | - | - |
| Sodium metasilicate | = 600 mg/kg (Rat) | - | - |
| Alcohol Alkoxylate | = 1310 mg/kg (Rat) | = 2 mL/kg (Rabbit) | - |

Symptoms related to the physical, chemical and toxicological characteristics

| | |
|-----------------|---------------------------|
| Symptoms | No information available. |
|-----------------|---------------------------|

Delayed and immediate effects and also chronic effects from short and long term exposure

| | |
|--------------------------|--|
| Sensitization | No information available. |
| Mutagenic Effects | No information available. |
| Carcinogenicity | Contains no ingredient listed as a carcinogen. |

Reproductive Toxicity No information available.
STOT - single exposure No information available.
STOT - repeated exposure No information available.
Aspiration Hazard No information available.

Numerical measures of toxicity - Product

The following values are calculated based on chapter 3.1 of the GHS document:

LD50 Oral 2769 mg/kg; Acute toxicity estimate
LD50 Dermal 1994 mg/kg; Acute toxicity estimate

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated.

| Chemical Name | Toxicity to Algae | Toxicity to Fish | Toxicity to Microorganisms | Daphnia Magna (Water Flea) |
|----------------------------------|------------------------------------|---|----------------------------|---|
| Sodium chloride 7647-14-5 | | LC50 96 h: 5560 - 6080 mg/L flow-through (Lepomis macrochirus) LC50 96 h: = 12946 mg/L static (Lepomis macrochirus) LC50 96 h: 6020 - 7070 mg/L static (Pimephales promelas) LC50 96 h: = 7050 mg/L semi-static (Pimephales promelas) LC50 96 h: 6420 - 6700 mg/L static (Pimephales promelas) LC50 96 h: 4747 - 7824 mg/L flow-through (Oncorhynchus mykiss) | | EC50 48 h: = 1000 mg/L (Daphnia magna) EC50 48 h: 340.7 - 469.2 mg/L Static (Daphnia magna) |
| Sodium carbonate 497-19-8 | EC50 120 h: = 242 mg/L (Nitzschia) | LC50 96 h: = 300 mg/L static (Lepomis macrochirus) LC50 96 h: 310 - 1220 mg/L static (Pimephales promelas) | | EC50 48 h: = 265 mg/L (Daphnia magna) |
| Sodium metasilicate 6834-92-0 | | LC50 96 h: = 210 mg/L semi-static (Brachydanio rerio) LC50 96 h: = 210 mg/L (Brachydanio rerio) | | EC50 96 h: = 216 mg/L (Daphnia magna) |

Persistence and Degradability No information available.

Bioaccumulation No information available.

Other Adverse Effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods Dispose of in accordance with federal, state, and local regulations

Contaminated Packaging Do not re-use empty containers.

| Chemical Name | California Hazardous Waste |
|------------------|----------------------------|
| Sodium carbonate | Corrosive |

14. TRANSPORT INFORMATION

DOT Not regulated

15. REGULATORY INFORMATION

International Inventories

| | |
|--------------|----------|
| TSCA | Complies |
| DSL | Complies |
| IECSC | Complies |
| KECL | Complies |
| PICCS | Complies |
| AICS | Complies |

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

| | |
|--|-----|
| Acute Health Hazard | Yes |
| Chronic Health Hazard | No |
| Fire Hazard | No |
| Sudden Release of Pressure Hazard | No |
| Reactive Hazard | No |

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

This product does not contain any substances regulated by state right-to-know regulations.

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

| | | | | |
|-------------|------------------------|-----------------------|--------------------------|--|
| NFPA | Health Hazard 2 | Flammability 0 | Instability 0 | Physical and Chemical Hazards - |
| HMIS | Health Hazard 2 | Flammability 0 | Physical Hazard 0 | Personal Protection X |

Issuing Date 07-Aug-2013
Revision Date 07-Aug-2022
Revision Note

General Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet