

SECTION 1: SUBSTANCE AND SUPPLIER DETAILS

- 1.1 Product Name** RedLine Powder PreSpray
- 1.2 Product code(s):** 1105
Formula code: 09-140409
Recommended use: Carpet Pre-Spray
- 1.3 Details of the supplier of the safety data sheet**
The Restoration Group Limited, 53 Wakefield Street, Onekawa, Napier 4110
06 835 0065
- 1.4 Emergency telephone number**
National Poisons Centre Phone: 0800-764-766

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

RedLine Powder is not classified as Dangerous Goods for Transport

HSNO Approval Number: HSR002530

Classification under the Group Standard Cleaning Products (subsidiary Hazard) Group Standard 2017

HSNO Classification:

6.3A - Irritating to skin

8.3A - Corrosive to eyes

Remarks

For full text of H-phrases: see SECTION 16.

2.2 Label elements



Pictogram
GHS05



Signal word **DANGER**

Hazard Statements:

H319 - Causes serious eye irritation.

Prevention Statements:

P264 - Wash hands, exposed skin, thoroughly after handling.

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

Response Statements:

P302 + P352 - IF ON SKIN: Wash with plenty of water.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 - Immediately call a POISON CENTER/doctor.

P321 - Specific treatment (see first aid instructions on the label).

P362 - Take off contaminated clothing and wash it before reuse.

Disposal:

P501 - In accordance with the EPA Hazardous Substances (Disposal) Notice 2017. Refer to Section 13 of this SDS

2.3 Other hazards

There is no additional information.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS**3.1 Substances**

not relevant (mixture)

3.2 Mixtures**3.2.1**

Name of substance	Identifier	Wt%
Triphosphoric acid, sodium salt	CAS No 7758-29-4	25 - < 50
Sodium sulphate	CAS No 7757-82-6	15 - < 25
Sodium sesquicarbonate	CAS No 533-96-0	5 - < 15
Trisodium Phosphate	CAS No 7601-54-9	5 - < 15
Tetrasodium ethylenediaminetetraacetate	CAS No 64-02-8	1 - < 5
Alkyl Polyglycoside Surfactant	CAS No Trade Secret	1 - < 5
Ethoxylated Alcohols	CAS No 68439-46-3	1 - < 5
Sodium gluconate	CAS No 527-07-1	1 - < 5
Diphosphoric acid, sodium salt	CAS No 7722-88-5	1 - < 5
Disodium metasilicate	CAS No 6834-92-0	1 - < 5
Sodium Alkyl Naphthalene Sulfonate	CAS No Trade Secret	1 - < 5
Fragrance	CAS No Trade Secret	< 1
Sodium 2-Mercaptobenzothiazole	CAS No 2492-26-4	< 1

For full text of abbreviations: see SECTION 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first- aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician. Provide fresh air.

Following skin contact

Brush off loose particles from skin. - Rinse skin with water/shower.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects are not known to date.

4.3 Indication of any immediate medical attention and special treatment needed

none

SECTION 5: FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

water, foam, alcohol resistant foam, ABC-powder

Unsuitable extinguishing media

water jet

5.2 Special hazards arising from the substance or mixture

Deposited combustible dust has considerable explosion potential.

Hazardous combustion products

nitrogen oxides (NO_x), carbon monoxide (CO), carbon dioxide (CO₂)

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapors/dust/aerosols/gases.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose it.

6.3 Methods and material for containment and cleaning up

Advices on how to contain a spill

Covering of drains. - Take up mechanically.

Advices on how to clean up a spill

Take up mechanically.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal precautions: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Recommendations**Measures to prevent fire as well as aerosol and dust generation**

Use local and general ventilation. Take precautionary measures against static discharge. Use only in well-ventilated areas. Ground/bond container and receiving equipment.

Warning

Dust deposits may accumulate on all deposition surfaces in a technical room. The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.

Advice on general occupational hygiene

Wash hands after use. Do not to eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks**• Explosive atmospheres**

Removal of dust deposits.

Incompatible substances or mixtures

Observe compatible storage of chemicals.

Consideration of other advice**Ventilation requirements**

Use local and general ventilation.

7.3 Specific end use(s)

See section 16 for a general overview.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**8.1 Workplace Exposure Standards NZ****Exposure Limits**

COUNTRY	Name of agent	Identifier	TWA [ppm]	TWA [mg/m³]	Source
NZ	particulates not otherwise regulated (PNOR)	PEL	1,766	15	29 CFR OSHA
NZ	particulates not otherwise regulated (PNOR)	PEL	529.5	5	29 CFR OSHA

notation

STEL	Short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period unless otherwise specified.
TWA	Time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average.

Relevant DNELs/DMELs/PNECs and other threshold levels

No data available.

8.2 Exposure controls**Engineering controls**

General ventilation.

Personal Protective Equipment**Eye/face protection**

Wear eye/face protection.

Skin protection**• hand protection**

Wear protective gloves.

• other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

Particulate filter device (EN 143).

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties****Appearance**

Physical state	solid (powder)
Color	different
Odor	Orange Citrus Aroma

Other physical and chemical parameters

pH (value)	10
Melting point/freezing point	not determined
Initial boiling point and boiling range	>232.2 °C
Flash point	not applicable
Evaporation rate	not determined
Flammability (solid, gas)	
Explosion limits of dust clouds	not determined
Vapor pressure	0.1 mmHg at 37.78 °C
Density	not determined
Relative density	not determined
Solubility(ies)	not determined
Auto-ignition temperature	>400 °C
Viscosity	not relevant (solid matter)
Explosive properties	none
Oxidizing properties	none

SECTION 10: STABILITY AND REACTIVITY**10.1 Reactivity**

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

10.2 Chemical stability

See below "Conditions to avoid".

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

Hints to prevent fire or explosion

The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.

Physical stresses which might result in a hazardous situation and have to be avoided

strong shocks

10.5 Incompatible materials

There is no additional information.

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects**

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Acute toxicity

Shall not be classified as acutely toxic.

Acute toxicity of components of the mixture

Name of substance	CAS No	Exposure route	ATE
triphosphoric acid, sodium salt	7758-29-4	inhalation: dust/mist	>0.39
sodium sulphate	7757-82-6	inhalation: dust/mist	>2.4
tetrasodium ethylenediaminetetraacetate	64-02-8	oral	1,913
tetrasodium ethylenediaminetetraacetate	64-02-8	inhalation: dust/mist	1.5
Ethoxylated Alcohols	68439-46-3	oral	1,400
diphosphoric acid, sodium salt	7722-88-5	oral	<2,000
disodium metasilicate	6834-92-0	oral	1,349

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

Causes serious eye damage.

Respiratory or skin sensitization

Shall not be classified as a respiratory or skin sensitizer.

Summary of evaluation of the CMR properties

Shall not be classified as germ cell mutagenic, carcinogenic nor as a reproductive toxicant.

Carcinogenicity

- National Toxicology Program (United States): none of the ingredients are listed
- IARC Monographs none of the ingredients are listed

Specific target organ toxicity (STOT)

Shall not be classified as a specific target organ toxicant.

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

SECTION 12: ECOLOGICAL INFORMATION**12.1 Toxicity****Aquatic toxicity (acute) of components of the mixture**

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
triphosphoric acid, sodium salt	7758-29-4	EC50	>100 mg/l	aquatic invertebrates	48 hours
sodium sulphate	7757-82-6	LC50	7,960 mg/l	fish	96 hours
tetrasodium ethylene-diaminetetraacetate	64-02-8	LC50	121 mg/l	fish	96 hours
disodium metasilicate	6834-92-0	LC50	2,320 mg/l	fish	96 hours
Sodium Alkyl Naphthalene Sulfonate	Trade Secret	LC50	7,960 mg/l	fathead minnow (Pimephales promelas)	96 hours
Sodium Alkyl Naphthalene Sulfonate	Trade Secret	LC50	12,500 mg/l	bluegill (Lepomis macrochirus)	96 hours
Sodium Alkyl Naphthalene Sulfonate	Trade Secret	LC50	12,750 mg/l	bluegill (Lepomis macrochirus)	96 hours
Sodium Alkyl Naphthalene Sulfonate	Trade Secret	LC50	13,000 mg/l	bluegill (Lepomis macrochirus)	96 hours
Sodium Alkyl Naphthalene Sulfonate	Trade Secret	LC50	13,500 mg/l	bluegill (Lepomis macrochirus)	96 hours

Aquatic toxicity (chronic) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
triphosphoric acid, sodium salt	7758-29-4	LC50	>1,850 mg/l	fish	24 h
triphosphoric acid, sodium salt	7758-29-4	ErC50	160 mg/l	algae	4 d
triphosphoric acid, sodium salt	7758-29-4	EC50	69.2 mg/l	algae	4 d
sodium sulphate	7757-82-6	LC50	>8,080 mg/l	fish	24 h
sodium sulphate	7757-82-6	EC50	1,698 mg/l	aquatic invertebrates	7 d
tetrasodium ethylene-diaminetetraacetate	64-02-8	EC50	625 mg/l	aquatic invertebrates	24 h
disodium metasilicate	6834-92-0	EC50	>100 mg/l	microorganisms	3 h
Sodium 2-Mercaptobenzo-thiazole	2492-26-4	EC50	857 mg/l	microorganisms	3 h

12.2 Persistence and degradability

Data are not available.

12.3 Bioaccumulative potential

Data are not available.

Bioaccumulative potential of components of the mixture

Name of substance	CAS No	BCF	Log KOW	BOD5/COD
sodium sulphate	7757-82-6	0.5	-4.38	
tetrasodium ethylene-diaminetetraacetate	64-02-8	1.8		
Sodium 2-Mercaptoben-zothiazole	2492-26-4		2.42	

12.4 Mobility in soil

Data are not available.

12.5 Results of PBT and vPvB assessment

Data are not available.

12.6 Other adverse effects

Data are not available.

SECTION 13: DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods****Sewage disposal-relevant information**

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packages

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14: TRANSPORT INFORMATION**14.1 Redline Powder** is not classified as a Dangerous Good for transport in accordance with

NZS5433:2012, IMDG or IATA.

Ensure transportation methods prevent leakage from packages and collapsing loads.

- 14.7** Transport in bulk according to Annex II of MARPOL and the IBC Code
The cargo is not intended to be carried in bulk.

SECTION 15: REGULATORY INFORMATION

15.1 Group Standard Allocation:

Cleaning Products (subsidiary Hazard) Group Standard 2017

HSNO Approval Number: HSR002530

HSNO Classification:

6.3A - Irritating to skin

8.3A - Corrosive to eyes

skin corrosion/irritation

serious eye damage/eye irritation

hazardous to the aquatic environment - chronic hazard

This substance is not required to be Tracked. All workplace personnel handling this substance are required to be trained on the safe handling and PPE requirements for the hazards associated with this substance.

SECTION 16: OTHER INFORMATION

Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
29 CFR OSHA	29 CFR §1910.1001 - Occupational Safety and Health Standards: Toxic and Hazardous Substances (permissible exposure limits)
ATE	Acute Toxicity Estimate
BCF	BioConcentration Factor
BOD	Biochemical Oxygen Demand
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
CLP	Regulation (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures
CMR	Carcinogenic, Mutagenic or toxic for Reproduction
COD	chemical oxygen demand
DMEL	Derived Minimal Effect Level
DNEL	Derived No-Effect Level
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
HMIS	Hazardous Materials Identification System
IARC Monographs	IARC Monographs on the Evaluation of Carcinogenic Risks to Humans
log KOW	n-octanol/water
MARPOL	International Convention for the Prevention of Pollution from Ships (abbr. of "Marine Pollutant")
NFPA® 704	National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response (United States)
NPCA-HMIS® III	National Paint and Coatings Association: Hazardous Materials Identification System - HMIS® III, Third Edition
OSHA	Occupational Safety and Health Administration (United States)
PBT	Persistent, Bioaccumulative and Toxic
PEL	permissible exposure limit
PNEC	Predicted No-Effect Concentration
ppm	parts per million
STEL	short-term exposure limit
TWA	time-weighted average
vPvB	very Persistent and very Bioaccumulative

Key literature references and sources for data

- OSHA Hazard Communication Standard (HCS), 29 CFR 1910.1200
- 49 CFR § 172.101 Hazardous Materials Table (DOT)

Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards/Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

The information provided in this Safety Data Sheet relates only to the specific material designated herein. This Safety Data Sheet summarises our best knowledge of the health and safety hazard information of the product and how to safely handle the product in the workplace. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including its use in conjunction with other products.

This substance is approved under HSNO for use as a cleaning chemical. All reasonable care has been taken to ensure that the information and advice contained herein are from sources believed to be reliable and to represent the most up-to-date knowledge available at the date given in Section 16. No liability is assumed for any damages related to the use or misuse of this substance.

All chemical materials may present unknown hazards as people have varying degrees of sensitivity to chemicals. Therefore, this product should be used with caution. The information herein is given in good faith, but no warranty, express or implied is made.

SDS Issued: 01 May 2020

Reason for Revision: Update to New Zealand regulatory requirements.

References:

EPA NZ Chemical Classification and Information Database

EPA Guide: Assigning a Hazardous Substance to a Group Standard, 2014

Supplier SDS: Masterblend USA, Redline Powder PreSpray

END OF SAFETY DATA SHEET