

Revision date: 1 May 2022

**SECTION 1: Identification****1.1 Product identifier**Trade name: **SuperShield****1.2 Relevant identified uses**

General use

**1.3 Details of the supplier of the safety data sheet**

The Restoration Group Limited, 53 Wakefield Street, Onekawa, Napier 4110

**1.4 Emergency telephone number**

National Poisons Centre 0800-764-766

**2.1** Supershield is not classified as a Dangerous Good for Transport.**2.2** Supershield is classified as hazardous according to criteria in the EPA Hazardous Substances (Minimum Degrees of Hazards) Notice 2017.

Classified under the group standard "Cleaning Products (Subsidiary Hazard) Group Standard 2017"

**HSNO APPROVAL NUMBER: HSR002530****2.2 GHS Pictograms: NONE****HSNO CLASSIFICATIONS:****6.1E - May be harmful if inhaled****6.4E - May cause serious eye irritation****6.1E - May be harmful in contact with skin****Hazard Statements:****H333 - May be harmful if inhaled****H319 - May cause serious eye irritation****H312 - May be harmful in contact with skin****PREVENTION STATEMENTS:****P264 - Wash hands, exposed skin, thoroughly after handling.****P280 - Wear protective gloves, protective clothing, eye protection, face protection.****P261 - Avoid breathing dust/fume/gas/mist/vapours/spray****P271 - Use only outdoors or in a well-ventilated area.**

Revision date: 01/16/2020

**RESPONSE STATEMENTS:****P312 – Call a POISON CENTER or doctor/physician if you feel unwell.****P302 + P352 – IF ON SKIN: Wash with plenty of soap and water.****P321 – Specific treatment.****P332 + P313 – If skin irritation occurs: Get medical advice/attention.****P362 – Take off contaminated clothing and wash before re-use.****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 or doctor/physician.****DISPOSAL****P501 - In accordance with the EPA Hazardous Substances (Disposal) Notice 2017. Refer to Section 13 of this SDS.****SECTION 3: Composition/information on ingredients****3.1 Substances**

not relevant (mixture)

**3.2 Mixtures****3.2.1**

Name of substance	Identifier	Wt%
Deionized Water	CAS No 7732-18-5	≥ 90
Fluorinated Acrylic Polymer	CAS No Trade Secret	5 – < 15
Acrylic Polymer	CAS No Trade Secret	1 – < 5
Hexylene Glycol	CAS No 107-41-5	1 – < 5
Anionic Polymer	CAS No Trade Secret	1 – < 5

For full text of abbreviations: see SECTION 16.

Revision date: 01/16/2020

**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. Provide fresh air.

**Following skin contact**

Wash with plenty of soap and water.

**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 spray, BC-powder, carbon dioxide (CO<sub>2</sub>)

**Unsuitable extinguishing media**

water jet

**5.2 Special hazards arising from the substance or mixture****Hazardous combustion products**

nitrogen oxides (NO<sub>x</sub>)

**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**

Revision date: 01/16/2020

**6.3 Methods and material for containment and cleaning up****Advices on how to contain a spill**

Covering of drains.

**Advices on how to clean up a spill**

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage (sawdust, kieselgur (diatomite), sand, universal binder).

**Appropriate containment techniques**

Use of adsorbent materials.

**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 protective equipment: 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. Use only in well-ventilated areas.

**Advice on general occupational hygiene**

Wash hands after use. Do not 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****Incompatible substances or mixtures**

Observe compatible storage of chemicals.

**Control of the effects****Protect against external exposure, such as**

frost

**7.3 Specific end use(s)**

See section 16 for a general overview.

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

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters****National limit values****Occupational exposure limit values (Workplace Exposure Limits)**

No information available.

**Relevant DNELs/DMELs/PNECs and other threshold levels**

No data available.

Revision date: 01/16/2020

## 8.2 Exposure controls

### Appropriate engineering controls

General ventilation.

### Individual protection measures (personal protective equipment)

#### Eye/face protection

Wear eye/face protection.

#### Skin protection

##### • hand protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these 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

In case of inadequate ventilation wear respiratory protection.

#### 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	liquid
Color	white
Odor	characteristic

#### Other physical and chemical parameters

pH (value)	6.2 (ready to use (2:1))
Melting point/freezing point	not determined
Initial boiling point and boiling range	not determined
Flash point	not determined
Evaporation rate	not determined
Flammability (solid, gas)	not relevant (fluid)
Explosive limits	not determined
Vapor pressure	not determined
Density	not determined
Relative density	not determined
Solubility(ies)	not determined
Auto-ignition temperature	not determined
Viscosity	not determined

Revision date: 01/16/2020

Explosive properties	none
Oxidizing properties	none
	There is no additional information.

## 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.

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

strong shocks

### 10.5 Incompatible materials

oxidizers

### 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).

#### **Classification acc. to OSHA "Hazard Communication Standard" (29 CFR 1910.1200)**

This mixture does not meet the criteria for classification.

#### **Acute toxicity**

Shall not be classified as acutely toxic.

#### **Skin corrosion/irritation**

Shall not be classified as corrosive/irritant to skin.

#### **Serious eye damage/eye irritation**

Shall not be classified as seriously damaging to the eye or eye irritant.

#### **Respiratory or skin sensitization**

Shall not be classified as a skin sensitiser

There is no additional information.

## SECTION 12: Ecological information

### 12.1 Toxicity

Shall not be classified as hazardous to the aquatic environment.

#### Aquatic toxicity (acute)

#### Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
Hexylene Glycol	107-41-5	LC50	8,690 mg/l	fish	96 h
Hexylene Glycol	107-41-5	EC50	5,410 mg/l	aquatic invertebrates	48 h

#### Biodegradation

The relevant substances of the mixture are readily biodegradable.

### 12.2 Persistence and degradability

#### Degradability of components of the mixture

Name of substance	CAS No	Process	Degradation rate	Time
Hexylene Glycol	107-41-5	oxygen depletion	81 %	28 d

### 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
Hexylene Glycol	107-41-5		<-0.14	

### 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

<b>14.1</b>	UN number	(not subject to transport regulations)
<b>14.2</b>	UN proper shipping name	not relevant
<b>14.3</b>	Transport hazard class(es) Class	-
<b>14.4</b>	Packing group	not relevant
<b>14.5</b>	Environmental hazards	none (non-environmentally hazardous acc. to the dangerous goods regulations)
<b>14.6</b>	Special precautions for user There is no additional information.	
<b>14.7</b>	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

### SECTION 15: Regulatory Information

#### 15.1

Supershield is not classified as a Dangerous Good for Transport.

Supershield is classified as hazardous according to criteria in the EPA Hazardous Substances (Minimum Degrees of Hazards) Notice 2017.

Classified under the group standard "Cleaning Products (Subsidiary Hazard) Group Standard 2017"

**HSNO APPROVAL NUMBER: HSR002530**

**GHS Pictograms: NONE**

#### **HSNO CLASSIFICATIONS:**

**6.1E - May be harmful if inhaled**

**6.4E - May cause serious eye irritation**

**6.1E - May be harmful in contact with skin**

**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, including date of preparation or last revision

### Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
BCF	Bioconcentration factor
BOD	Biochemical Oxygen Demand
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
CMR	Carcinogenic, Mutagenic or toxic for Reproduction
COD	Chemical oxygen demand
DMEL	Derived Minimal Effect Level
DNEL	Derived No-Effect Level
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
PNEC	Predicted No-Effect Concentration
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).

### List of relevant phrases (code and full text as stated in chapter 2 and 3)

### Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.