

Revision date: 01 June 2020

SECTION 1: Identification**1.1 Product identifier**

PRODUCT NAME: Fringe Bleach
Formula code: 02-990823

1.2 Relevant identified uses: CARPET SHAMPOO
do not use for squirting or spraying
do not use for products which come into direct contact with the skin

1.3 SUPPLIER: The Restoration Group Limited, 2/68 Thames Street, Pandora, Napier
Phone: 06-835-0065

1.4 EMERGENCY CONTACT: National Poisons Centre Phone: 0800-764-766

SECTION 2: HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture**

Fringe Bleach is classified as Dangerous Goods for Transport **Category 8**

HNSO Approval Number: HSR002526

Classification under the Group Standard Cleaning Products (Corrosive) Group Standard 2017

acute toxicity (oral)	6.1D
skin corrosion/irritation serious eye damage/ eye irritation	8.2A, 8.2C 8.3A
Toxic to aquatic life with long lasting effects	9.1D

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

Hazards not otherwise classified

May be harmful if inhaled (GHS category 5)
May be harmful in contact with skin (GHS category 5)
Toxic to aquatic life with long lasting effects (GHS category 2)

The most important adverse physicochemical, human health and environmental effects

Skin corrosion produces an irreversible damage to the skin; namely, visible necrosis through the epidermis and into the dermis.

2.2 Label elements

Signal word

DANGER

Pictograms



GHS05, GHS07

H411 Toxic to aquatic life with long lasting effects.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.

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Precautionary statements

Prevention Statements:

P260 Do not breathe dust/fume/gas/mist/vapors/spray

P280 Wear protective gloves/eye protection/face protection.

Response Statements:

P303+P321 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+P321 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Specific treatment (see on this label).

Disposal Statements:

Dispose of contents/container to industrial combustion plant.

Hazardous ingredients for labelling

Pentapotassium bis (peroxymonosulphate) bis (sulphate)

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%
Pentapotassium bis(peroxymonosulphate) bis(sulphate)	CAS No 70693-62-8	≥ 90
Tetra[carbonato(2-)]dihydroxypentamagnesium	CAS No 7760-50-1	1 - < 5
Dipotassium peroxodisulphate	CAS No 7727-21-1	1 - < 5

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.

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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 productsnitrogen 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.

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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.

Packaging compatibilities

Only packagings which are approved (e.g. acc. to DOT) may be used.

7.3 Specific end use(s)

See section 16 for a general overview.

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****National limit values****Occupational exposure limit values (Workplace Exposure Limits)****Relevant DNELs/DMELs/PNECs and other threshold levels**

No data available.

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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**

In the case of wanting to use the gloves again, clean them before taking off and air them well.

• **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, granular)
Color	white
Odor	fresh

Other physical and chemical parameters

pH (value)	6 (1% solution)
Melting point/freezing point	not determined
Initial boiling point and boiling range	not determined
Flash point	not applicable
Evaporation rate	not determined
Flammability (solid, gas)	
Explosion limits of dust clouds	not determined
Vapor pressure	not determined
Density	not determined
Relative density	not determined
Solubility(ies)	not determined
Auto-ignition temperature	not determined
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

Harmful if swallowed.

Acute toxicity estimate (ATE)

oral 520.8

Acute toxicity of components of the mixture

Name of substance	CAS No	Exposure route	ATE
pentapotassium bis(peroxymonosulphate) bis(sulphate)	70693-62-8	oral	500

Skin corrosion/irritation

Causes severe skin burns and eye damage.

Serious eye damage/eye irritation

Causes serious eye damage.

Respiratory or skin sensitization

Shall not be classified as a respiratory or skin sensitizer.

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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**

Toxic to aquatic life with long lasting effects.

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

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
pentapotassium bis(peroxymonosulphate) bis(sulphate)	70693-62-8	LC50	1,090 µg/l	fish	96 hours
pentapotassium bis(peroxymonosulphate) bis(sulphate)	70693-62-8	EC50	3.5 mg/l	aquatic invertebrates	48 hours

Aquatic toxicity (chronic)

May cause long-term adverse effects in the aquatic environment.

Aquatic toxicity (chronic) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
pentapotassium bis(peroxymonosulphate) bis(sulphate)	70693-62-8	LC50	367 µg/l	aquatic invertebrates	28 d
pentapotassium bis(peroxymonosulphate) bis(sulphate)	70693-62-8	EC50	179 mg/l	microorganisms	18 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
pentapotassium bis(peroxymonosulphate) bis(sulphate)	70693-62-8		0.3	

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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	UN number	3260
14.2	UN proper shipping name	CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.
	Hazardous constituents	pentapotassium bis(peroxymonosulphate) bis(sulphate)
14.3	Transport hazard class(es)	
	Class	8 (corrosive substances)
14.4	Packing group	II (substance presenting medium danger)
14.5	Environmental hazards	none (non-environmentally hazardous acc. to the dangerous goods regulations)
14.6	Special precautions for user	
	There is no additional information.	
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.	

Information for each of the UN Model Regulations**• Transport of dangerous goods by road or rail**

Index number	3260
Proper shipping name	Corrosive solid, acidic, inorganic, n.o.s.
Class	8
Packing group	II
Danger label(s)	8



Special provisions (SP)	IB8, IP2, IP4, T3, TP33
ERG No	154
• International Maritime Dangerous Goods Code (IMDG)	
UN number	3260
Proper shipping name	CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.
Class	8
Packing group	II
Danger label(s)	8



Special provisions (SP)	274
Excepted quantities (EQ)	E2
Limited quantities (LQ)	1 kg
EmS	F-A, S-B
Stowage category	B
Segregation group	1 - Acids
• International Civil Aviation Organization (ICAO-IATA/DGR)	
UN number	3260
Proper shipping name	Corrosive solid, acidic, inorganic, n.o.s.
Class	8
Packing group	II
Danger label(s)	8



Special provisions (SP)	A3, 274
Excepted quantities (EQ)	E2
Limited quantities (LQ)	5 kg

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

National regulations (United States)

Industry or sector specific available guidance(s)

Hazardous Materials Identification System

Category	Rating	Description
Chronic	/	None.
Health	3	Major injury likely unless prompt action is taken and medical treatment is given.
Flammability	1	Material that must be preheated before ignition can occur.
Physical hazard	0	Material that is normally stable, even under fire conditions, and will not react with water, polymerize, decompose, condense, or self-react. Non-explosive.
Personal protective equipment	-	

National Fire Protection Association: Standard System for the Identification of the Hazards of Materials for Emergency Response

Category	Degree of hazard	Description
Flammability	1	Material that must be preheated before ignition can occur.
Health	3	Material that, under emergency conditions, can cause serious or permanent injury.
Instability	0	Material that is normally stable, even under fire conditions.
Special hazard		

Relevant Safety, health and environmental provisions**Classification according to GHS (1272/2008/EC, CLP)****Hazard class**

acute toxicity (oral)

skin corrosion/irritation

serious eye damage/eye irritation

hazardous to the aquatic environment - chronic hazard

Category Hazard class and category

4 (Acute Tox. 4)

1B (Skin Corr. 1B)

1 (Eye Dam. 1)

3 (Aquatic Chronic 3)

SECTION 16: Other information, including date of preparation or last revision**Abbreviations and acronyms**

Abbr	Descriptions of used abbreviations
49 CFR US DOT	49 CFR § 40 U.S. Department of Transportation
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
DOT	Department of Transportation (USA)
EmS	Emergency Schedule

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Abbr.	Descriptions of used abbreviations
ERG No	Emergency Response Guidebook - Number
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
HMIS	Hazardous Materials Identification System
IARC Mono-graphs	IARC Monographs on the Evaluation of Carcinogenic Risks to Humans
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Code
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)

Code	Text
H302	harmful if swallowed
H314	causes severe skin burns and eye damage
H318	causes serious eye damage

Disclaimer

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

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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 June 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, Fringe Bleach

END OF SAFETY DATA SHEET