

SAFETY DATA SHEET

‘FIZZOFF’ Heavy Duty Descaling Chemical

Safety Data Sheet according to OSHA HazCom Standard requirements

SECTION 1: IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1. Product identifier

Product name FIZZOFF®
 Product Code: FOFF
 Other means of identification: 7340E
 Recommended restrictions: Do not mix with caustic materials or bleach

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses – Removal of heavy limescale deposits, opens slow flowing drains, removes metal oxides and Verdigris.
 Uses advised against Use only for intended applications.

1.3. Details of the supplier of the safety data sheet

Delta-Q
 1851 Dawns Way
 Fullerton, CA 92831
 Tel: 714-879-0622 Mon –Fri 09:00 – 17:00
sales@deltaginc.com

Manufacturer;
 Wiseman Industries Ltd.

1.4. Emergency telephone number

Tel: 714-879-0622 Mon –Fri 09:00 – 17:00
 Transport emergency: Chemtrec 1-800-424 -9300

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Physical hazards	Not classified	
Health hazards	Acute toxicity (Oral)	Cat 4
	Skin corrosion/irritation	Cat 1B
	Eye damage/irritation	Cat 1
	STOT-SE (Respiratory irritation)	Cat 3
	Corrosive to metals	1
OSHA defined hazards	This chemical is considered hazardous according to the OSHA Hazard Communication Standard	

2.2. Label elements

Hazard Pictogram:



Signal word (s): Danger

Hazard statement (s): Causes severe skin burns and eye damage, harmful if swallowed, may cause respiratory irritation, maybe corrosive to metals

Precautionary statement:
 Prevention

Do not breathe fume/mist/vapors/spray
 Wash hands, face, and any skin contact thoroughly after handling
 Wear protective gloves/protective clothing/eye & face protection

Do not eat, drink or smoke when using this product
 Keep only in original container. Absorb spillage to prevent material damage
 Use only in a well ventilated area
 Keep out of reach of children

Response IF SWALLOWED: Rinse mouth. Do not induce vomiting
 IF ON SKIN/HAIR: Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing prior to any reuse.
 IF INHALED: Remove person to fresh air and keep comfortable for breathing
 IF IN EYES: Cautiously rinse with water for several minutes. Ensure contact lenses are removed and easy to do. Continuing rinsing
 Immediately call a POISON CENTER and Or seek immediate medical advise with doctor/physician/optician
 Storage: See 4. First Aid measures for specific treatment
 Store locked up in corrosive resistant container, in a well ventilated place
 Keep container tightly closed
 Disposal Dispose of contents/container to an approved disposal facility

2.3. Other hazards

May create irritating acidic fumes in damp air conditions. Not Classified under HNOC

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Mixture – Formulated product containing Oils, Inhibitors, Surfactants and acid

Chemical name	CAS No	%
Muriatic acid	7647-01-0	20-25
Water	7732-18-5	75-80
Other non hazardous ingredients	Not supplied	<1

The Full Text for all P-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General

CAUTION! First aid personnel must be aware of own risk during rescue! Remove victim immediately from source of exposure.

Inhalation

Provide rest, warmth and fresh air. Get immediate medical attention if any discomfort continues including irritation, dizziness, or unconsciousness occurs.

Ingestion

Immediately rinse mouth and drink plenty of water (200-300 ml). DO NOT induce vomiting. Get medical attention immediately. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS!

Skin contact

Immediately remove contaminated clothing, must be washed prior to reuse. Flush skin thoroughly with water for around 15 minutes. Important to remove the substance from the skin. Call doctor/physician for medical advice. immediately. Get medical attention promptly if symptoms occur after washing.

Eye contact

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention immediately from a doctor/physician/optician. Continue to rinse.

General information:

Treat symptomatically, provide note to physician and advise of SDS

4.2. Most important symptoms and effects, both acute and delayed

General information

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

Inhalation

Sore throat, irritation of nose, throat and airway.

Ingestion

May cause chemical burns in mouth and throat. May cause stomach pain or vomiting.

Skin contact

May cause chemical burns to the skin. Discoloration of skin.

Eye contact

Strongly corrosive. Causes severe burns and serious eye damage. Immediate first aid is imperative.

4.3. Indication of any immediate medical attention and special treatment needed

Treat Symptomatically. Splash in eye requires examination by eye specialist.

SECTION 5: FIREFIGHTING MEASURES**5.1. Extinguishing media****Extinguishing media**

The product is non-combustible. Extinguish with alcohol-resistant foam, carbon dioxide or dry powder. Use fire-extinguishing media appropriate for surrounding materials. For small fires only use soil or sand.

Unsuitable extinguishing media

DO NOT use water if avoidable. Reacts with water.

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

Fire or very high temperatures may create corrosive gases/vapours/fumes of H₂SO₄.

Unusual Fire & Explosion Hazards

May ignite other combustible materials.

Specific hazards

In case of fire, toxic and corrosive gases may be formed.

5.3. Advice for firefighters**Special Fire Fighting Procedures**

Avoid breathing fire. Move container from fire area if it can be done without risk. Use water SPRAY only to cool containers! Do not put water on leaked material. Reacts violently with water.

Protective equipment for fire-fighters

Corrosive hazard. Wear chemical protection suit. Self-contained breathing apparatus (SCBA) and full protective clothing must be worn in case of fire.

Fire fighting equipment/instructions

Immediately remove all persons from the area if there is a fire. Only those suitably trained should take action. Keep fire containers cool by spraying with water. Contaminated fire water must be contained and prevented from discharge and escape into waterways, sewers or drains.

Specific methods

None

General fire hazard

None

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1. Personal precautions, protective equipment and emergency procedures**

Wear protective clothing as described in Section 8 of this safety data sheet. Use protective gloves, goggles and suitable protective clothing. Avoid contact with skin and eyes.

6.2. Environmental precautions

Collect and dispose of excessive spillage as indicated in section 13.

6.3. Methods and material for containment and cleaning up

Wear necessary protective equipment. Stop leak if possible without risk. DO NOT TOUCH SPILLED MATERIAL! Small Spillages: Flush contaminated area with plenty of water. Large Spillages: Absorb with dry sand or earth, and place in suitable containers. Use sealed containers for reclamation or dispose of at a licenced hazardous waste collection point. Avoid contact with water.

6.4. Reference to other sections

For personal protection, see section 8. See section 11 for additional information on health hazards. For waste disposal, see.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Read and follow manufacturer's recommendations. Avoid spilling, skin and eye contact. Do not handle broken packages without protective equipment. Wear protective clothing at all times, See section 2.2. Use product only according to label instructions Do not eat, drink or smoke when using the product. Never add water to acid! Never use or mix with other chemicals or cleaners

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from children Keep away from food, drink and animal feeding stuffs. Store away from: Alkalis. Combustible materials.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Name	Type	Value
Muriatic Acid	ACGIH – TWA	2ppm (C)
	OSHA – PEL	5ppm (C)

8.2. Exposure controls

Protective equipment

- Eye Protection: To comply with BS2092 Chemical Grade
- Chemical Resistant Gloves: To comply with EN374 & should be worn at all times when handling chemical products
- Protective clothing: Appropriate clothing to be worn that prevents the possibility of skin contact
- Foot wear: Safety Boots

Process conditions

Provide eyewash, quick drench.

Engineering measures

Must not be handled in confined space without sufficient ventilation.

Respiratory equipment

If ventilation is insufficient, suitable respiratory protection must be provided. Use respiratory equipment with gas filter, type E.

Hand protection

Wear protective gloves. Butyl rubber gloves are recommended. Be aware that the liquid may penetrate the gloves. Frequent change is advisable.

Eye protection

Use approved safety goggles or face shield (to comply with BS2092 Chemical Grade).

Other Protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures

Wash hands after handling. Wash promptly if skin becomes wet or contaminated. Wash contaminated clothing before reuse. When using do not eat, drink or smoke.

Thermal hazards

None.

General hygiene considerations

Post handling of products immediately wash face, hands and forearms. Ensure no eating, smoking, or use of the lavatory is not undertaken without washing. Use clothing should not be removed from the site of use and be immediately wash prior to any reuse.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance

Physical state	Liquid
Form	Liquid
Colour	Red
Odor	Slight odour

Odor threshold	NA
Melting point (°F)	
Not determined.	Liquid under normal operating and storage conditions.
Relative density	1.2
Solubility	Soluble in water
Auto ignition temperature	N/A
Decomposition temperature	N/A
Viscosity, kinematic	N/A
Vapour density (air=1)	>1
Vapour pressure	N/A
Evaporation rate	Not known.
Decomposition temperature (°F)	Not relevant
Flash point	Will not flash
Auto Ignition Temperature (°F)	Not determined.
	Non-flammable liquid, not sensitive to self-ignition.
Flammability Limit - Lower(%)	Not relevant
Flammability Limit - Upper(%)	Not relevant
Partition Coefficient (N-Octanol/Water)	Not relevant
Explosive properties	Not explosive.
Explosive under influence of flame.	Not considered to be explosive.
Oxidising properties	Does not meet the criteria for oxidising.
Initial boiling point & range	195°F

9.2. Other information

VOC (Weight %) <0.1% by weight, <1 g/L

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

The product reacts with water and will generate heat. Strong reaction with: Alkalis. Hazardous reactions are not expected when used under normal conditions of storage and use.

10.2. Chemical stability

Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions

Under normal conditions of use and storage, not hazardous reactions will occur.
Hazardous Polymerisation - Will not polymerise.

10.4. Conditions to avoid

Do not add water directly to the product. It may cause a violent reaction. Reacts with alkalis and generates heat. Avoid contact with incompatible materials.

10.5. Incompatible materials

Materials To Avoid
Strong alkalis. Alkali metals. Amines. Hydrocarbons - halogenated. Flammable/combustible material. Do not add water to this product, unless to wash off skin/eyes or clear a spill as described in section 6. Use a large excess of water relative to amount of acid.

10.6. Hazardous decomposition products

Fire may evolve Corrosive gases/vapours/fumes of HCl

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity:

Test	Results	Classification (A.0.4.1(c))	Basis (A.1.3.6.1)
Acute Toxicity (Oral)	350mg/kg	Category 4	Ingredient literature (additive formula)
Acute Toxicity (Dermal)	2000mg/kg	N/A	Ingredient literature (additive formula)
Acute Toxicity (Inhalation)	>20mg/L	N/A	Ingredient literature (additive formula)
Skin Corrosion/Irritation	Highly Corrosive	Cat 1B	Ingredient literature.
Serious eye damage/irritation	Highly Corrosive	Cat 1	Ingredient literature
Summary: Most likely exposure routes are contact with eyes and skin. Exposure causes skin burns and serious eye damage. May cause respiratory tract irritation.			

Subchronic/Chronic toxicity:

Test	Result	Classification	Basis
Skins Sensitization	Not a sensitizer	N/A	Ingredient literature
Summary: May cause respiratory tract irritation. Repeated or prolonged contact causes skin burns and eye damage.			

Carcinogens: - Ingredients are not listed on the NTP Report on Carcinogens, *IARC Monographs or by OSHA. *IARC does list "strong inorganic acid mists" as carcinogenic, but under normal conditions, no exposure to acid mists occurs.

Acid solutions are not listed.

Other data: No other toxicological information is available for this mixture.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

The product components are not classified as environmentally hazardous.

However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. The product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms. The product may have adverse effects on organisms in soil and water.

12.2. Persistence and degradability

Degradability

Thermally - Degrades to constituent parts when in contact with water. Constituent parts will Biodegrade.

12.3. Bioaccumulative potential

Bioaccumulative potential - Will not bio-accumulate.

12.4. Mobility in soil

Mobility: The product is water soluble and may spread in water systems.

12.6 Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

General information

Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority. If material cannot be disposed of or according to product labelling, contact your State Environmental Control Agency, or the hazardous waste representative at the nearest EPA regional office.

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements. Confident professionals may dispose of waste residues, by diluting into an excess of water and neutralising through careful and slow addition of an aqueous alkaline solution.

Hazardous waste code: RCRA Class D002

SECTION 14: TRANSPORT INFORMATION

General Full protective clothing should be worn when handling this product.

DOT

Hazard Label: Corrosive

UN number

UN No. 1789

UN proper shipping name

Proper Shipping Name Hydrochloric acid solution

Transport hazard class(es)

Hazard class: 8

Packing group

Packing group II

IATA

UN number

UN No. 1789

UN proper shipping name

Proper Shipping Name Hydrochloric acid solution

Transport hazard class(es)

Hazard class: 8

Packing group

Packing group II

IMDG**UN number**

UN No. 1789

UN proper shipping name

Proper Shipping Name Hydrochloric acid solution

Transport hazard class(es)

Hazard class: 8

Packing group

Packing group II

Environmental hazards

RQ – 5000 lbs (Hydrochloric acid)

Marine pollutant

No

SECTION 15: REGULATORY INFORMATION**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Statutory Instruments**

All components are listed on TSCA(US), EINESCS/EILINCS(EU), DSL Canada, AICS(Australia), ENCS(Japan).

OSHA Hazard Communication Standard: This product meets the §1910.1200 definition of a "Hazardous Chemical"**Superfund Amendments & Reauthorization Act of 1986 Title III (EPRCA) Sections 311 & 312**

Immediate (Acute) Health hazard Yes

Delayed (Chronic) Health hazard No

Fire hazard No

Reactive hazard No

Sudden Release pressure hazard No

Superfund Amendments & Reauthorization Act of 1986 Title III (EPRCA) Sections 313

*Chemicals marked with an asterisk in "Section 3. Composition/Information on ingredients" are subject to reporting requirements for Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40CFR Part 372.

Pennsylvania/New Jersey/Massachusetts Right to Know

See "Section 3. Composition/Information on ingredients for hazardous and top five ingredients over 1%"

California Proposition 65:

This product does not contain a listed substance known to the State of California to cause cancer, birth defects or other productive harm at levels which would require a warning under the statute.

SECTION 16: OTHER INFORMATION**Issue Date:** February 2024**Revision Date:** -**Version:** 1**HMIS Rating:** Health 1
Flammability 1
Physical hazards 0**Related Products:** EVERFLO for drain de-scaler and flow improver
LOOBRITE for removal of heavy duty limescale
VANISOL for heavy duty toilet bowl cleaning
FRESCO PINE disinfecting and neutralising acid use**Safety Data Sheet Status Approved.****Manufacturers Disclaimer**

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.