

SAFETY DATA SHEET

1. GENERAL INFORMATION

TRADE NAME (COMMON NAME OR SYNONYM) R-1400 Super Foaming Booster		C.A.S. NO. N/A	
CHEMICAL NAME/DISCRPTION Foaming Booster Additive			
Emergency telephone number: ChemTel: 1-800-255-3924		Contract Number MIS0006628	
ADDRESS PowerWash.Com 2300 Cold Springs Road Fort Worth, TX 76106			
CONTACT Delia Galindo	PHONE NUMBER 817-625-4213	ISSUED DATE 2/27/2015	REVISED DATE 08/12/2015

2. Hazard(s) identification

Signal word Warning



GHS Hazard Statements

Physical hazards

Not classified.

Health hazards

Acute toxicity, oral

Skin corrosion/irritation

Serious eye damage/eye irritation

Environmental hazards

Hazardous to the aquatic environment, acute hazard

Hazardous to the aquatic environment, long-term hazard

OSHA defined hazards

Not classified.

GHS Precautionary Statements

Prevention

Wash thoroughly after handling.

Avoid release to the environment.

Wear protective gloves.

Wear eye/face protection.

Response

IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

If swallowed: Rinse mouth.

Do NOT induce vomiting.

If on skin: Wash with plenty of water.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Specific treatment

If skin irritation occurs: Get medical advice/attention.
 If eye irritation persists: Get medical advice/attention.
 Take off contaminated clothing and wash before reuse.

Storage

Store away from incompatible materials.

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

3. Composition/information on ingredients

Mixtures			
Chemical name	Common name and synonyms	CAS number	%
Water		7732-18-5	50 - < 60
Sodium (C14-16) olefin sulfonate		68439-57-6	40 - < 50
Other components below reportable levels			1 - < 3

4. First-aid measures

Inhalation

Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact

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

Eye contact

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Ingestion

Rinse mouth. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

General information

Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. Fire-fighting measures

Suitable extinguishing media

Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

Unsuitable extinguishing media

Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical

During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Fire-fighting equipment/instructions

Move containers from fire area if you can do so without risk.

Specific methods

Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards
No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation.

Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent product from entering drains. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Environmental precautions

Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water.

Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling

Avoid contact with skin. Avoid contact with eyes. Avoid contact with clothing. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Avoid release to the environment. Do not empty into drains.

Conditions for safe storage, including any incompatibilities

Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

No exposure limits noted for ingredient(s).

Biological limit values

No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear safety glasses with side shields (or goggles). Face-shield.

Hand protection

Wear appropriate chemical resistant gloves.

Skin protection

Wear appropriate chemical resistant clothing.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

9. Physical and chemical properties

Appearance

Physical state

Liquid.

Form

Liquid.

Color

Not available.

Odor

Not available.

Odor threshold

Not available.

pH

5.0000 - 6.5000 (10% aqueous)

Melting point/freezing point

Not available.

Initial boiling point and boiling range

212 °F (100 °C)

Flash point

NOT APPLICABLE

Evaporation rate

Estimated slower than ethyl ether.

Flammability (solid, gas)

Not available.

Upper/lower flammability or explosive limits

Flammability limit – lower (%)

Not available.

Flammability limit – upper (%)

NOT APPLICABLE.

Explosive limit - lower (%)

Not available.

Explosive limit - upper (%)

Not available.

Vapor pressure

Not Determined or Unknown

Vapor density

Estimated lighter than air.

Relative density

Not available.

Solubility(ies)

Solubility (water) Not available.
 Auto-ignition temperature
 Not available.
 Decomposition temperature
 Not available
 Viscosity
 < 500 cps @ 25 C
 Other information
 Density
 8.83 lbs/gal @ 25C
 Percent volatile
 58 - 60 % (w/w, water)

10. Stability and reactivity

Reactivity
 The product is stable and non-reactive under normal conditions of use, storage and transport.
 Chemical stability
 Material is stable under normal conditions.
 Possibility of hazardous reactions
 No dangerous reaction known under conditions of normal use.
 Conditions to avoid
 Contact with incompatible materials.
 Incompatible materials
 Strong oxidizing agents.
 Hazardous decomposition products
 No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure
 Ingestion
 Harmful if swallowed.
 Inhalation
 No adverse effects due to inhalation are expected.
 Skin contact
 Causes skin irritation.
 Eye contact
 Causes serious eye irritation.
 Symptoms related to the physical, chemical and toxicological characteristics
 Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation.
 May
 cause redness and pain.
 Information on toxicological effects
 Acute toxicity
 Harmful if swallowed.

Product	Species	Test Results
Acute		
Dermal		
LD50	Rabbit	> 2000 mg/kg
Oral		
LD50	Rat	1300 - 2400 mg/kg

Skin corrosion/irritation
 Causes skin irritation.

Serious eye damage/eye irritation
 Causes serious eye irritation.

Respiratory or skin sensitization
 Respiratory sensitization
 Not available.

Skin sensitization
 This product is not expected to cause skin sensitization.

Germ cell mutagenicity
 No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity
 This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
 Not listed.

Reproductive toxicity
 This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure
 Not applicable.

Specific target organ toxicity - repeated exposure
 Not applicable.

Aspiration hazard
 Not applicable.

12. Ecological information

Ecotoxicity
 Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

Product		Species	Test Results
Acute			
Algae	EC50	Algae	42.3 mg/l, 72 hours
Crustacea	EC50	Daphnia	4.48 mg/l, 48 hours
Fish	LC50	Fish	2.6 mg/l, 96 hours
Components		Species	Test Results
Sodium (C14-16) olefin sulfonate (CAS 68439-57-6)			
Aquatic			
Crustacea	EC50	Water flea (Ceriodaphnia dubia)	4.14 - 4.95 mg/l, 48 hours

Persistence and degradability
 Readily biodegradable.

Bioaccumulative potential
 No data available.

Mobility in soil
 No data available.

Other adverse effects
 No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions

Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazardous waste code

The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not available.

15. Regulatory information

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate Hazard – Yes

Delayed Hazard – No

Fire Hazard – No

Pressure Hazard – No

Reactivity Hazard - No

SARA 302 Extremely hazardous substance - No

SARA 311/312 Hazardous chemical - Yes

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA)

Not regulated.

US state regulations

US. Massachusetts RTK - Substance List

Not regulated.

US. Rhode Island RTK

Not regulated.

US. California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date 06-04-2015

Revision date 06-04-2015

Version # 02

NFPA ratings

0-1-1

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Revision Information

Hazard(s) identification: <INDENT>Response
Hazard(s) identification: Hazard statement
Toxicological Information: Toxicological Data
Toxicological information: Acute toxicity
Toxicological information: Ingestion
GHS: Classification

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