

Issue Date 06-June-2018

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Version 1

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name POWER WAVE SUDS

Other means of identification
Product Code 408
Synonyms None

Recommended use of the chemical and restrictions on use
Recommended Use High Sudsing Detergent
Uses advised against No information available

Manufacturer Address

Anderson Chemical Company, 325 South Davis Avenue, Litchfield, MN 55355 (320-693-2477)

Emergency telephone number

Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

Classification

Serious eye damage/eye irritation	Category 1
Skin corrosion/irritation	Category 2

Label elements
Emergency Overview
Danger
Hazard statements

 Causes serious eye damage
 Causes skin irritation

Appearance aqueous solution

Physical state liquid

Odor Slight

Precautionary Statements - Prevention

 Wash hands and exposed skin thoroughly after handling.
 Wear eye protection/face protection.
 Wear protective gloves

Precautionary Statements - Response

 Specific treatment (see Section 4 on this label)
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.
 IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

Hazards not otherwise not classified (HNOC)
Other Information

Unknown Acute Toxicity 0% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%	Trade Secret
TSRN1841	Proprietary	20-30%	
TSRN9292	Proprietary	<10%	

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First aid measures

Eye contact	Flush immediately with water for 15 minutes. Lift upper and lower eyelids for complete rinsing. Get immediate medical attention.
Skin Contact	Flush with water for 15 minutes. If irritation persists after rinsing, get medical attention. Remove contaminated clothing and wash before reuse.
Inhalation	Remove victim to fresh air. If breathing difficulty occurs or persists, get medical attention.
Ingestion	Rinse mouth with water. Give water to dilute. Do not induce vomiting. Get immediate medical attention. Never give anything by mouth to a semi-comatose, comatose, convulsing or unconscious person.

Most important symptoms and effects, both acute and delayed

Symptoms	Eye contact causes serious eye damage. Skin contact causes irritation. Inhalation may cause irritation to mucous membranes. Ingestion may cause nausea, vomiting, diarrhea, may be harmful.
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Indication of any immediate medical attention and special treatment needed

Note to physicians	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media None known.

Specific hazards arising from the chemical

No information available.

Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions	Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Avoid contact with skin, eyes or clothing. Avoid breathing vapors or mists. Ventilate affected area. Use personal protective equipment as required.
Environmental precautions	See Section 12 for additional ecological information.
Methods for containment	Completely contain spilled material with dikes or sand bags, etc.

Methods for cleaning up Shut off source of leak only if safe to do so. Dike and contain spilled material. Recover free product. To clean up residue, flush area with water or use an absorbent.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Do not get in eyes, on skin, or clothing. Do not breathe vapors or mists. Do not ingest. Wash thoroughly after handling. Wear protective clothing/equipment. Use with adequate ventilation.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed and properly labeled. Containers that have been emptied will retain product residue and should be handled as if they were full. Store in a cool, dry, well-ventilated place away from incompatible materials. Wash hands before eating, drinking, using tobacco, applying make-up or using the toilet. Do not store, use, and/or consume foods, beverages, tobacco in areas where this product is stored.

Incompatible materials None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Contains no substances with occupational exposure limit values.

Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin and body protection If contact is anticipated, wear protective clothing appropriate to use conditions.

Respiratory protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	liquid	Odor	Slight
Appearance	aqueous solution clear,	Odor threshold	No information available
Color	fluorescent green		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	7	
Melting point/freezing point	No information available	
Boiling point / boiling range	No information available	
Flash point	No information available	
Evaporation rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limit in Air		
Upper flammability limit:	No information available	
Lower flammability limit:	No information available	
Vapor pressure	No information available	
Vapor density	No information available	
Specific Gravity	1.016	
Water solubility	Soluble in water	
Solubility in other solvents	No information available	
Partition coefficient	No information available	
Autoignition temperature	No information available	
Decomposition temperature	No information available	
Kinematic viscosity	No information available	
Dynamic viscosity	No information available	
Explosive properties	No information available	
Oxidizing properties	No information available	
<u>Other Information</u>		
Softening point	No information available	
Molecular weight	No information available	
VOC Content (%)	No information available	
Density	No information available	
Bulk density	No information available	

10. STABILITY AND REACTIVITY

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

Extremes of temperature and direct sunlight.

Incompatible materials

None known based on information supplied.

Hazardous Decomposition Products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

No data available

Inhalation

Inhalation may cause irritation to mucous membranes

Eye contact

Cause eye damage irritation.

Skin Contact	Cause skin irritation.
Ingestion	Ingestion may cause nausea, vomiting, diarrhea, may be harmful.

Information on toxicological effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No information available.
Germ cell mutagenicity No information available.
Carcinogenicity No information available.
Reproductive toxicity No information available.
STOT - single exposure No information available.
STOT - repeated exposure No information available.
Aspiration hazard No information available.

Numerical measures of toxicity - Product Information

Unknown Acute Toxicity 0% of the mixture consists of ingredient(s) of unknown toxicity

Component: Ethoxylated alcohol

Acute oral toxicity : LD50: > 300 - 2,000 mg/kg
Species: Rat
Read-across (Analogy)

Acute dermal toxicity : LD50: > 2,000 mg/kg
Species: Rabbit Read-across (Analogy)

Eye irritation : Result: Risk of serious damage to eyes.
Read-across (Analogy)

Component: Ethoxylated alcohol

: LD50: > 300 - 2,000 mg/kg
Species: Rat
Read-across (Analogy)

: LD50: > 2,000 mg/kg
Species: Rabbit Read-across (Analogy)

: Result: Risk of serious damage to eyes.
Read-across (Analogy)

12. ECOLOGICAL INFORMATION**Ecotoxicity**

100% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Persistence and degradability

Readily biodegradable

Bioaccumulation

Bioaccumulation is unlikely
Read-across (Analogy)

Other adverse effects No information available

INGREDIENTS: Test result**Component: Ethoxylated alcohol****Ecotoxicity effects**

Toxicity to fish	: LC50: > 1 - 10 mg/l Exposure time: 96 h Species: Fish Read-across (Analogy)	Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	: EC10: > 0.1 - 1 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) Read-across (Analogy)
Toxicity to daphnia and other aquatic invertebrates	: EC50: > 10 mg/l Exposure time: 48 h Species: Daphnia magna (Water flea) Read-across (Analogy)		

Component: Ethoxylated alcohol

Ecotoxicity effects Toxicity to
daphnia and other aquatic
invertebrates

: EC50: > 10 - 100 mg/l
Exposure time: 48 h
Species: Daphnia magna (Water flea)
Read-across (Analogy)

Toxicity to algae

: EC50: > 10 - 100 mg/l
Exposure time: 72 h
Species: Skeletonema costatum (marine diatom)
Read-across (Analogy)

Elimination information (persistence and degradability)

Bioaccumulation : Bioaccumulation is unlikely.

Mobility : No data available

Biodegradability : Result: Readily biodegradable.
Method: OECD Test Guideline 301B

Component	Species	Test Results
Sulfonic Acids, C14-16-alkane Hydroxy And C14-16-alkene, Sodium Salts (CAS 68439-57-6)		
Aquatic		
<i>Acute</i>		
Algae	EC50	Algae 3.2 - 5.2 mg/l, 72 h
Crustacea	EC50	Daphnia 4.53 mg/l, 48 h
Fish	LC50	Danio rerio 3.5 - 5 mg/l, 96 h
<i>Chronic</i>		
Crustacea	NOEC	Daphnia 6.3 mg/l, 21 d

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes - Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging Do not reuse container.

14. TRANSPORT INFORMATION

DOT Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA All chemical substances in this product are either listed on the TSCA Inventory or in compliance with a TSCA Inventory exemption.

DSL/NDSL All components of this product are on the Canadian DS

EINECS/ELINCS On the inventory, or in compliance with the inventory

ENCS On the inventory, or in compliance with the inventory

IECSC On the inventory, or in compliance with the inventory

KECL On the inventory, or in compliance with the inventory

PICCS On the inventory, or in compliance with the inventory

AICS On the inventory, or in compliance with the inventory

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
 DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
 EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
 ENCS - Japan Existing and New Chemical Substances
 IECSC - China Inventory of Existing Chemical Substances
 KECL - Korean Existing and Evaluated Chemical Substances
 PICCS - Philippines Inventory of Chemicals and Chemical Substances
 AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. EPA Label Information

EPA Pesticide Registration Number Not Applicable

16. OTHER INFORMATION

NFPA	Health hazards 3	Flammability 1	Instability 0	Physical and Chemical Properties -
HMIS	Health hazards 3	Flammability 1	Physical hazards 0	Personal protection X

Prepared By lmt
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Revision Note
 Formerly know as Vend Brite

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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, unless specified in the text.

End of Safety Data Sheet