



Material Safety Data Sheet

Section 1. Chemical Product and Company Identification

Product name House & Siding Cleaner Concentrate
Product code ZUVWS
Date of issue 03/16/11 **Supersedes** 01/08/08

Emergency Telephone Numbers

For MSDS Information:
 Compliance Services 404-352-1680

For Medical Emergency
 (877) 541-2016 Toll Free - All Calls Recorded

For Transportation Emergency
 CHEMTREC: (800) 424-9300 - All Calls Recorded
 In the District of Columbia (202) 483-7616

Prepared By

Compliance Services
 1420 Seaboard Industrial Blvd.
 Atlanta, GA 30318

Section 2. Hazards Identification

Emergency overview

CAUTION

CAUSES EYE IRRITATION.

*Hazard Determination System (HDS): Health, Flammability, Reactivity



NOTE: MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse effects are lessened by following all prescribed safety precautions, including the use of proper personal protective equipment.

Acute Effects

Routes of Entry

Eye contact.

Eyes Causes eye irritation. Inflammation of the eye is characterized by redness, watering and itching.

Skin Prolonged or repeated contact may dry skin and cause irritation.

Inhalation Inhalation of the spray or mist may produce irritation of respiratory tract, characterized by coughing, choking or shortness of breath.

Ingestion May be harmful if swallowed.

Chronic effects

Contains material which may cause damage to the following organs: kidneys.

Repeated or prolonged exposure to spray or mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection. Repeated or prolonged contact with spray or mist may produce chronic eye irritation and severe skin irritation.

Carcinogenicity Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.

Product/ingredient name

Not available.

Additional Information: See Toxicological Information (Section 11)

Section 3. Composition/Information on Ingredients

<u>Name of Hazardous Ingredients</u>	<u>CAS number</u>	<u>% by Weight</u>
SODIUM XYLENE SULFONATE	1300-72-7	1 - 10
SODIUM CARBONATE; soda ash; carbonic acid, disodium salt	497-19-8	1 - 5
TETRASODIUM ETHYLENEDIAMINE TETRAACETATE; ethylenediamine tetraacetic acid; tetrasodium salt	64-02-8	1 - 5

Section 4. First Aid Measures

Eye Contact Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.

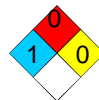
Skin Contact Rinse with plenty of running water. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if irritation develops.

Inhalation If inhaled, remove to fresh air. If irritation persists, get medical attention.

Ingestion If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Call medical attendant, medical doctor, or poison control center.

Section 5. Fire Fighting Measures

National Fire Protection Association (U.S.A.)



Flash Point	None.
Flammable Limits	Not applicable.
Flammability	Non-flammable.
Fire hazard	In a fire or if heated, a pressure increase will occur and the container may burst.
Fire-Fighting Procedures	Use an extinguishing agent suitable for the surrounding fire.

Section 6. Accidental Release Measures

Spill Clean up Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container.

Section 7. Handling and Storage

Handling	Put on appropriate personal protective equipment (see section 8). Avoid contact with eyes, skin and clothing. Do not ingest. Avoid breathing vapors, spray or mists. Do not reuse container. Wash thoroughly after handling.
Storage	Store in accordance with local regulations. Keep container tightly closed and sealed until ready for use. Store between the following temperatures: 40°F - 120°F (4.4°C - 49°C). Keep out of the reach of children.

Section 8. Exposure Controls/Personal Protection

Product name	Exposure limits
SODIUM CARBONATE; soda ash; carbonic acid, disodium salt	ACGIH (United States). : 15 mg/m ³ Form: Dust OSHA PEL (United States). TWA: 15 mg/m ³ 8 hour(s). Form: Total dust

Personal Protective Equipment (PPE)

Eyes	Safety glasses.
Body	For prolonged or repeated handling, use impervious gloves. (nitrile, neoprene, rubber)
Respiratory	No respiratory protection needed under normal use conditions.

**Section 9. Physical and Chemical Properties**

Physical State	Liquid.	Color	Orange / Red.
pH	11.0 - 12.0	Odor	Mild.
Boiling Point	101.6°C (215°F)	Vapor Pressure	Not determined.
Specific Gravity	1	Vapor Density	Not determined.
Solubility	Soluble in water in any proportion.	Evaporation Rate	Not determined.
		VOC (Consumer)	0 (g/l).

Section 10. Stability and Reactivity

Stability and Reactivity	The product is stable.
Incompatibility	None known.
Hazardous Polymerization	Will not occur.
Hazardous Decomposition Products	carbon oxides (CO, CO ₂)

Section 11. Toxicological Information**Acute Toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
SODIUM CARBONATE	LD50 Oral	Rat	2800 mg/kg	-
Tetrasodium Ethylenediamine Tetraacetate	LD50 Oral	Rat	4100 mg/kg	-

Section 12. Ecological Information

Environmental Effects No known significant effects or critical hazards.

Aquatic Ecotoxicity

Product/ingredient name	Test	Result	Species	Exposure
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SODIUM CARBONATE	-	Acute EC50 199.82 mg/L Fresh water	Daphnia - Water flea - 48 hours Ceriodaphnia dubia - Neonate - <24 hours
	-	Acute LC50 300 mg/L	Fish - Bluegill. 96 hours
	-	Acute LC50 265 mg/L	Daphnia 96 hours
	-	Acute LC50 1640000 ug/L Fresh water	Daphnia - Water flea - 48 hours Daphnia magna - <24 hours
	-	Acute LC50 1020000 ug/L Fresh water	Daphnia - Water flea - 48 hours Ceriodaphnia dubia - <24 hours
	-	Acute LC50 <850000 ug/L Fresh water	Fish - Fathead minnow - 96 hours Pimephales promelas - 1 to 7 days
	-	Acute LC50 740000 ug/L Fresh water	Fish - Western mosquitofish - 96 hours Gambusia affinis - Adult
	-	Acute LC50 565000 ug/L Fresh water	Daphnia - Water flea - 48 hours Daphnia magna
	-	Acute LC50 320000 ug/L Fresh water	Fish - Bluegill - Lepomis macrochirus - 5.3 to 7.2 cm - 3.5 to 3.9 g 96 hours
	-	Acute LC50 265000 ug/L Fresh water	Daphnia - Water flea - 48 hours Daphnia magna

Section 13. Disposal Considerations

Waste Information

Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities for additional information.

Waste Stream Non-hazardous waste

Section 14. Transport Information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label
DOT Classification	Not regulated.	None.			
TDG Classification	Not regulated.	-			
IMDG Class	Not determined.				

NOTE: DOT classification applies to most package sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.

PG* : Packing group

Section 15. Regulatory Information

U.S. Federal Regulations

SARA 313 toxic chemical notification and release reporting:

No products were found.

Clean Water Act (CWA) 307: No products were found.

Clean Water Act (CWA) 311: No products were found.

Clean Air Act (CAA) 112 regulated toxic substances: No products were found.

All Components of this product are listed or exempt from listing on TSCA Inventory.

United States inventory (TSCA 8b): Not determined.

State Regulations

California Prop 65

California Prop. 65: No products were found.

Canada

WHMIS (Canada)

Class D-2B: Material causing other toxic effects (Toxic).

Section 16. Other Information

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

*NOTE: Hazard Determination System (HDS) ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although these ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HDS ratings are to be used with a fully implemented program to relay the meanings of this scale.



Material Safety Data Sheet

Section 1. Chemical Product and Company Identification

Product name Deck & Fence Cleaner Concentrate
Product code ZUDFW
Date of issue 01/08/08 **Supersedes**

Emergency Telephone Numbers

For MSDS Information:
Compliance Services 404-352-1680

For Medical Emergency
INFOTRAC: (877) 541-2016 Toll Free - All Calls Recorded

For Transportation Emergency
CHEMTREC: (800) 424-9300 - All Calls Recorded
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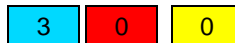
Prepared By
Compliance Services Group
1420 Seaboard Industrial Blvd.
Atlanta, GA 30318

Section 2. Hazards Identification

Emergency overview

*Hazard Determination System (HDS): Health, Flammability, Reactivity

DANGER



CAUSES EYE AND SKIN BURNS.
HARMFUL IF SWALLOWED.

NOTE: MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse effects are lessened by following all prescribed safety precautions, including the use of proper personal protective equipment.

Acute Effects

Routes of Entry

Eye contact. Skin contact. Inhalation. Ingestion.

Eyes Causes eye burns. Direct contact with the eyes can cause irreversible damage, including blindness.

Skin Prolonged contact can cause severe irritation or even burns. The amount of tissue damage depends on length of contact.

Inhalation Inhalation of the spray or mist may produce severe irritation of respiratory tract, characterized by coughing, choking or shortness of breath.

Ingestion Harmful if swallowed. Large doses may cause heartbeat irregularity (arrhythmia).

Chronic effects

Repeated or prolonged exposure to the substance can produce damage to kidneys and central nervous system. Prolonged or repeated contact with skin or mucous membrane may result in irritation symptoms, such as redness, blistering, dermatitis etc.

Carcinogenicity Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.

Additional Information: See Toxicological Information (Section 11)

Section 3. Composition/Information on Ingredients

Name of Hazardous Ingredients

CAS number

% by Weight

OXALIC ACID, DIHYDRATE; Ethanedioic Acid

6153-56-6

1 - 5

Section 4. First Aid Measures

Eye Contact Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention immediately.

Skin Contact In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Chemical burns must be treated promptly by a physician. Get medical attention.

Inhalation Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. If irritation persists, get medical attention.

Ingestion Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Section 5. Fire Fighting Measures

National Fire Protection Association (U.S.A.)



Flash Point	None.
Flammable Limits	Not applicable.
Flammability	Non-combustible.
Fire hazard	No specific hazard.
Fire-Fighting Procedures	Use an extinguishing agent suitable for the surrounding fire. Fire-fighters should wear appropriate protective equipment.

Section 6. Accidental Release Measures

Spill Clean up	Put on appropriate personal protective equipment (see section 8). Stop leak if without risk. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
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Section 7. Handling and Storage

Handling	Put on appropriate personal protective equipment (see section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep away from alkalis. Empty containers retain product residue and can be hazardous. Do not reuse container.
Storage	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Separate from alkalis. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Keep out of the reach of children.

Section 8. Exposure Controls/Personal Protection**Product name**

OXALIC ACID, DIHYDRATE; Ethanedioic Acid

Exposure limitsACGIH TLV (United States).
TWA: 1 mg/m³ 8 hour(s).**Personal Protective Equipment (PPE)**

Eyes	Splash goggles.
Body	Wear appropriate protective clothing to prevent skin contact. Rubber gloves. Boots, Chemical resistant.
Respiratory	Use with adequate ventilation. Avoid breathing vapors, spray or mists. A respirator is not needed under normal and intended conditions of product use.

**Section 9. Physical and Chemical Properties**

Physical State	Liquid.	Color	Light Blue / Green.
pH	1.0 - 2.0	Odor	Mild.
Boiling Point	100°C (212°F)	Vapor Pressure	Not determined.
Specific Gravity	1.02	Vapor Density	Not determined.
Solubility	Soluble in water in any proportion.	Evaporation Rate	Not determined.
		VOC (Consumer)	0 (g/l).

Section 10. Stability and Reactivity

Stability and Reactivity	The product is stable.
Incompatibility	Reactive or incompatible with the following materials: oxidizing materials, alkalis.
Hazardous Polymerization	Will not occur.
Hazardous Decomposition Products	Carbon oxides (CO, CO ₂), Formic acid.

Section 11. Toxicological Information**Acute Toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
Oxalic Acid, Dihydrate	LD50 Dermal	Rabbit	20000 mg/kg	-
	LD50 Oral	Rat	375 mg/kg	-



Section 12. Ecological Information**Environmental Effects** Toxic to aquatic organisms.**Aquatic Ecotoxicity**

Not available.

Section 13. Disposal Considerations**Waste Information**

Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities for additional information.

Waste Stream Code: D002
Classification: - (Hazardous waste.)
Origin: - (RCRA waste.)**Section 14. Transport Information**

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label
DOT Classification	UN3265	Corrosive liquid, acidic, organic, n.o.s. (Oxalic Acid, Dihydrate)	Class 8: Corrosive liquid.	III	
TDG Classification	UN3265	Corrosive liquid, n.o.s.	TDG Class 8: Corrosive liquid.	III	
IMDG Class	Not available.	Not available.	Not available.	-	

NOTE: DOT classification applies to most package sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.

PG* : Packing group

Section 15. Regulatory Information**U.S. Federal Regulations**

SARA 313 toxic chemical notification and release reporting:

No products were found.

Clean Water Act (CWA) 307: No products were found.**Clean Water Act (CWA) 311:** No products were found.

Clean Air Act (CAA) 112 regulated toxic substances: No products were found.

All Components of this product are listed or exempt from listing on TSCA Inventory.

State Regulations**California Prop 65** No products were found.**Canada****WHMIS (Canada)**Class D-1B: Material causing immediate and serious toxic effects (Toxic).
Class D-2B: Material causing other toxic effects (Toxic).
Class E: Corrosive liquid.**Section 16. Other Information***To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.**NOTE: Hazard Determination System (HDS) ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although these ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HDS ratings are to be used with a fully implemented program to relay the meanings of this scale.