



Safety Data Sheet

Section 1: Identification

Product Identifier

Product Name ALUMASHINE™ and Metal Trim Cleaner (Ready To Use)

Product Code 53009, 53010, 53015, 53051

Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Recommended Use Aluminum Patio Covers / Gutter/ Exterior Metal Cleaner

Details of the Supplier of the Safety Data Sheet

Manufacturer Environmental Solutions Int'l.

1261 N. Raddant Road

Batavia, IL 60510-4213

Telephone (General) (800)406-5318

Emergency telephone number

Manufacturer (800)424-9300- CHEMTREC

Section 2: Hazard Identification

United States (US)

According to OSHA 29 CFR 1910.1200 HCS

Classification of the Substance or Mixture

OSHA HCS 2012 Ingredients not precisely identified are proprietary or non-hazardous.

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Label Elements

OSHA HCS 2012

WARNING



Hazard Statements None

Precautionary Statements None

Prevention Wash thoroughly after handling. -P264 Wear protective gloves/ eye protection. -P280

Response Call a poison control center or doctor/physician if you feel unwell. -P312 If on skin: Wash with plenty of soap and water. -P302+P352 Rinse skin with water/shower. -P353 If skin irritation occurs, get medical advice/attention. -P332+P313

Storage/Disposal Store in a closed container away from incompatible materials. -P233 Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. -P501

Other Hazards

OSHA HCS 2012

Other Information



NFPA

Section 3: Composition/Information on Ingredients

Substances Material does not meet the criteria of a substance.

Mixtures

Hazardous Components

Chemical Name	Identifiers	%(weight)	LD50/LC50	Classifications According to Regulation/Directive	Comments
Sodium Carbonate	CAS# 497-19-8	1-2	4200mg/kg oral, rat	OSHA HCS 2012: Acute Tox. 5, Skin Irrit. 3 Eye Irrit. Sub. 2A	NDA

See Section 11 for Toxicological Information

Section 4: First-Aid Measures

Description of First Aid Measures

Inhalation Move victim to fresh air. If symptoms persist, call a physician.

Skin Flush with water. Wash with soap and water. Call a physician if irritation persists.

Eye Immediately flush with water. Remove contact lenses, if applicable, and continue rinsing with water. Call a physician if irritation persists.

Ingestion Do not induce vomiting. Rinse mouth with water. Call a physician immediately. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness, or is convulsing.

Most Important Symptoms and Effects, Both Acute and Delayed

Refer to Section 11: Toxicological Information.

Indication of Any Medical Attention and Special Treatment Needed

Notes to Physician

All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

See Section 2 for Potential Health Effects

Section 5: Fire-Fighting Measures

Extinguishing Media

Suitable Extinguishing Media Treat for surrounding material.

Unsuitable Extinguishing Media Not applicable.

Special Hazards Arising From the Substance or Mixture

Unusual Fire and Explosion Hazards Not available.

Hazardous Combustion Products Not available.

Advice for Firefighters Fire fighters should wear self-contained breathing apparatus.

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions For prolonged exposure, wear rubber gloves. Safety glasses are recommended. Respiratory protection is not normally required if good ventilation is maintained. Do not consume food, drink or tobacco in areas where they may become contaminated by this material. Always wash hands thoroughly with soap and water before eating, drinking, and smoking.

Emergency Procedures Not applicable.

Environmental Precautions

Methods and Material for Containment and Cleaning Up

Containment/Clean-Up Measures Before attempting clean-up, refer to hazard data. Small spills may be absorbed with non-reactive absorbent and placed in a suitable, covered, labeled container. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.

Section 7: Handling and Storage

Precautions for Safe Handling

Handling No precautions needed.

Conditions for Safe Storage, Including Any Incompatibilities

Storage Store in a safe place. Keep out of reach of children.

Incompatible Materials or Ignition Sources Strong oxidizing agents, acids.

Section 8: Exposure Controls/Personal Protection

Control Parameters

Exposure Controls

Engineering Measures/Controls None specified.

Personal Protective Equipment



Pictograms

Respiratory MSHA-NIOSH approved. No special precautions required.

Eye/Face Safety goggles recommended.

Hands Rubber gloves recommended for prolonged exposure; rinse completely from skin after contact.

Skin/Body No special precautions required; rinse completely from skin after contact.

General Industrial Hygiene Considerations None specified.

Environmental Exposure Controls None specified.

Section 9: Physical and Chemical Properties

Information on Physical and Chemical Properties

Material Description			
Physical Form	Liquid	Appearance-Description	Clear liquid with a mild odor.
Color	Clear	Odor	Mild
Taste	Data Lacking	Particulate Type	Not relevant
Particulate Size	Not relevant	Aerosol Type	Not relevant
Odor Threshold	Data Lacking	Physical and Chemical Properties	Data Lacking
General Properties			
Boiling Point	100 Centigrade	Melting Point	Data Lacking
Decomposition Temperature	Data Lacking	Heat of Decomposition	Data Lacking
pH	11.5-12.5	Specific Gravity/Relative Density	1.00-1.1
Density	Data Lacking	Bulk Density	Data Lacking
Water Solubility	99.5%	Solvent Solubility	Not relevant
Viscosity	Similar to water	Explosive Properties	Classification criteria not met.
Oxidizing Properties	Classification criteria not met.		

Volatility			
Vapor Pressure	Not relevant	Vapor Density	Not relevant
Evaporation Rate	Data Lacking	VOC (Wt.)	Data Lacking
VOC (Vol.)	Data Lacking	Volatiles (Wt.)	Data Lacking
Volatiles (Vol.)	Data Lacking		
Flammability			
Flash Point	Not relevant	UEL	Not relevant
LEL	Not relevant	Autoignition	Not relevant
Self-Accelerating Decomposition Temperature (SADT)	Not relevant	Heat of Combustion	Not relevant
Burning Time	Not relevant	Flame Duration	Not relevant
Flame Height	Not relevant	Flame Extension	Not relevant
Ignition Distance	Not relevant	Flammability (solid, gas)	Non-flammable
Environmental			
Half-Life	Data Lacking	Octanol/Water Partition Coefficient	Data Lacking
Coefficient of Water/Oil Distribution	Data Lacking	Bioaccumulation Factor	Data Lacking
Bioconcentration Factor	Data Lacking	Biochemical Oxygen Demand BOD/BOD5	Data Lacking
Chemical Oxygen Demand	Data Lacking	Persistence	Data Lacking
Degradation	Data Lacking		

Section 10: Stability and Reactivity

Reactivity Not available.

Chemical Stability Stable under normal temperatures and pressures.

Possibility of Hazardous Reactions None.

Conditions to Avoid None.

Incompatible Materials Strong acids may inactivate cultures.

Hazardous Decomposition Products May include and are not limited to oxides of carbon, when heated to decomposition.

Preparation Date: 5/29/2015

Format: GHS Language: English (US)

Section 11: Toxicological Information

Information of Toxicological Effects

Component Name	CAS	Data
Sodium Carbonate	497-19-8	Acute toxicity LD50 4200 mg/kg oral, rat

GHS Properties	Classification
Acute Toxicity	OSHA HCS 2012 Category 5 4200 mg/ kg oral, rat
Aspiration Hazard	OSHA HCS 2012 Classification criteria not met
Carcinogenicity	OSHA HCS 2012 Classification criteria not met
Germ Cell Mutagenicity	OSHA HCS 2012 Classification criteria not met
Respiratory Sensitization	OSHA HCS 2012 Classification criteria not met
Serious Eye Damage/Irritation	OSHA HCS 2012 Eye Irritant Category 2, Subcategory 2A
Skin Corrosion/Irritation	OSHA HCS 2012 Classification criteria not met
Skin Sensitization	OSHA HCS 2012 Mild Skin Irritation Category 2
STOT-RE	OSHA HCS 2012 Classification criteria not met
STOT-SE	OSHA HCS 2012 Category 3
Toxicity for Reproduction	OSHA HCS 2012 Classification criteria not met

Target Organs None.

Route(s) of Entry/Exposure

Potential Health Effects

Inhalation

Acute (Immediate) Can cause nose, throat, and respiratory tract irritation.

Chronic (Delayed) No data available.

Skin

Acute (Immediate) Contact can cause irritation.

Chronic (Delayed) Prolonged or repeated exposure can cause drying, defatting, and dermatitis.

Eye

Acute (Immediate) Contact can cause irritation. Severe irritation or burns may occur.

Chronic (Delayed) No data available.

Ingestion

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Acute (Immediate) Harmful if swallowed. May cause stomach distress and other medical problems.

Chronic (Delayed) No data available.

Section 12: Ecological Information

Toxicity Material data lacking.

Persistence and Degradability Material data lacking.

Bioaccumulative Potential Material data lacking.

Mobility in Soil Material data lacking.

Other Adverse Effects No studies have been found.

Other Information No data is available on the adverse effects of this material on the environment.

Section 13: Disposal Considerations

Waste Treatment Methods

Product Waste Dispose of content in accordance with local, regional, national, and/or international regulations.

Packaging Waste Dispose of container in accordance with local, regional, national, and/or international regulations.

Section 14: Transport Information

	14.1 UN Number	14.2 UN Proper Shipping Name	14.3 Transport Hazard Class(es)	14.4 Packing Group	14.5 Environmental Hazards
DOT	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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TDG	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
IMO/IMDG	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
IATA/ICAO	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Special Precautions for User None specified.

Transport in Bulk According to Annex II of MARPOL 73/78 and The IBC Code None specified.

Section 15: Regulatory Information

Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

SARA Hazard Classifications

State Right to Know

Component	CAS	MA	NI	PA
Inventory				
		listed	listed	listed

Section 16: Other Information

Last Revision Date 6/20/2016

Preparation Date 5/29/2015

Disclaimer/Statement of Liability

The information for this safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual products use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the mandatory requirements of Federal, State, Provincial, or local laws. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries, or consequential damages which may result from the use of or reliance on any information contained in this form.