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29 CFR 1910.1200 (OSHA HazCom 2012)

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Trade name

: Car Brite™ METALLIC FALLOUT REMOVER Ready-To-Use

Recommended use of the chemical and restrictions on use

Details of the supplier of the safety data sheet Niteo Products, LLC	Emergency telephone number CHEMTREC DIRECT 1-800-424-9300
P.O. Box 191629 Dallas TX 75219	Product Information 1-844-696-4836
United States of America	

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification Skin corrosion	: Category 1
Serious eye damage	: Category 1
GHS Label element Hazard pictograms	
Signal Word	: Danger
Hazard Statements	: Causes severe skin burns and eye damage. Causes serious eye damage.
Precautionary Statements	 Prevention: Wash skin thoroughly after handling. Wear protective gloves/ protective clothing/ eye protection/ face protection. Response: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

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IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/ physician. 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. Wash contaminated clothing before reuse.

Storage:

Store locked up.

Disposal:

Dispose of contents/ container to an approved waste disposal plant.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture

: Mixture

Hazardous components

Chemical Name	CAS-No.	Classification	Concentration (%)
OXALIC ACID	144-62-7	Acute Tox. 4; H302	9.52
		Eye Dam. 1; H318	
ALCOHOLS, C9-11,	68439-46-3	Acute Tox. 4; H302	1.35
ETHOXYLATED		Eye Dam. 1; H318	

SECTION 4. FIRST AID MEASURES

General advice	 Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.
If inhaled	 Move to fresh air. If breathed in, move person into fresh air. Keep patient warm and at rest. If unconscious place in recovery position and seek medical

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	advice. If symptoms	persist, call a physician.
In case of skin contact		se well with water. ninated clothing before re-use.
In case of eye contact	of water and	
If swallowed	Do NOT inde Rinse mouth Do not give Never give a	
Most important symptoms and effects, both acute and delayed	occur in enc associated v may initiate material. Signs and sy breathing, sy the skin may stomach or i irritation (nos Cough discomfort ir Headache irregular hea acute kidney production) Difficulty in b	ntestinal upset (nausea, vomiting, diarrhea) se, throat, airways) the chest rtbeat failure (sudden slowing or stopping of urine reathing bus eye damage.
Notes to physician	inactivate ox calcium lacta and/or milk. corrosion in be due to for calcium whic deposited in system distu hypocalcem cardiovascul gastroenterit collapse. Int	contains oxalic acid. Following ingestion, alate by giving calcium as a dilute solution of ate, lime water, finely pulverized chalk, plaster, Gastric lavage is controversial due to possible the esophagus or stomach. Systemic effects may mation of a complex between oxalic acid and th is insoluble at physiological pH and can be the brain and renal tubules, causing nervous rbances and kidney damage. Resultant a may be responsible for the muscular and ar effects, although hypovolemic shock from is or hemorrhage may also cause cardiovascular ravenous administration of calcium gluconate or ride may be required if hypocalcemia or

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hypocalcemic tetany occur.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	 Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water spray Foam Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media	: High volume water jet
Specific hazards during firefighting	: Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion products	: acid vapors carbon dioxide and carbon monoxide formic acid
Specific extinguishing methods	:
	Product is compatible with standard fire-fighting agents.
Further information	: Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Special protective equipment for firefighters	: In the event of fire, wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Use personal protective equipment. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.
Environmental precautions	:	Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.
Methods and materials for containment and cleaning up	:	Keep in suitable, closed containers for disposal.
Other information	:	Comply with all applicable federal, state, and local regulations.

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SECTION 7. HANDLING AND STORAGE

Advice on safe handling :	Do not breathe vapours/dust. When diluting, always add the product to water. Never add water to the product. Container hazardous when empty. Avoid contact with skin and eyes. Smoking, eating and drinking should be prohibited in the application area. For personal protection see section 8. Dispose of rinse water in accordance with local and national regulations.
Conditions for safe storage :	Keep container tightly closed in a dry and well-ventilated place. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
OXALIC ACID	144-62-7	TWA	1 mg/m3	ACGIH
		STEL	2 mg/m3	ACGIH
		REL	1 mg/m3	NIOSH/GUID E
		STEL	2 mg/m3	NIOSH/GUID E
		PEL	1 mg/m3	OSHA_TRA NS
		TWA	1 mg/m3	ACGIHLIS_P
		STEL	2 mg/m3	ACGIHLIS_P

Engineering measures

: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

Personal protective equipment

Hand protection

Remarks

: The suitability for a specific workplace should be discussed with the producers of the protective gloves.

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Eye protection	potential for ex mist.	splash goggles and face shield when there is posure of the eyes or face to liquid, vapor or vash station in immediate work area.
Skin and body protection	concentration of Discard gloves	thing
Hygiene measures	When using do	

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	:	liquid
Colour	:	colourless
Odour	:	mild
Odour Threshold	:	No data available
рН	:	0.5
Melting point/freezing point	:	No data available
Boiling point/boiling range	:	212 °F / 100 °C (1,013.333333 hPa) Calculated Phase Transition Liquid/Gas
Flash point	:	Not applicable
Evaporation rate	:	No data available
Flammability (solid, gas)	:	No data available
Upper explosion limit	:	No data available
Lower explosion limit	:	No data available
Vapour pressure	:	23.3333333 hPa (20 °C) Calculated Vapor Pressure
Relative vapour density	:	No data available

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Relative density	: No data available
Density	: 1.027 g/cm3
Solubility(ies) Water solubility	: soluble
Solubility in other solvents	: No data available
Partition coefficient: n- octanol/water	: No data available
Thermal decomposition	: No data available
Viscosity Viscosity, dynamic	: No data available
Viscosity, kinematic	: No data available
Oxidizing properties	: No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No decomposition if stored and applied as directed.
Chemical stability	: Stable under recommended storage conditions.
Possibility of hazardous reactions	: Product will not undergo hazardous polymerization.
Conditions to avoid	: heat Exposure to moisture
Incompatible materials	: aluminum chlorites Copper Copper alloys furfuryl alcohol Silver strong alkalis Strong bases Strong oxidizing agents Do not use with aluminum equipment at temperatures above 49C or 120 degrees F.
Hazardous decomposition products	acid vapors carbon dioxide and carbon monoxide formic acid

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SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of : Inhalation exposure : Skin contact Eye Contact Ingestion

Acute toxicity

Not classified based on available information. <u>Components:</u> OXALIC ACID: Acute oral toxicity : LD50 (Rat): 1,080 mg/kg Acute dermal toxicity : LD50 (Rabbit): 20,000 mg/kg ALCOHOLS, C9-11, ETHOXYLATED:

Acute oral toxicity : LD 50 (Rat): 500 - 2,000 mg/kg

: LD 50 (Rabbit): > 5 g/kg

Acute dermal toxicity

Skin corrosion/irritation

Causes severe burns. <u>Product:</u> Remarks: Causes severe skin burns and eye damage.

Components:

OXALIC ACID: Species: Rabbit Method: OECD Test Guideline 404 Result: Not irritating to skin

ALCOHOLS, C9-11, ETHOXYLATED: Result: Mild to Moderately Irritating

Serious eye damage/eye irritation Causes serious eye damage. Product: Remarks: May cause irreversible eye damage.

Components:

OXALIC ACID: Result: Corrosive to eyes

ALCOHOLS, C9-11, ETHOXYLATED: Result: Corrosive to eyes

Respiratory or skin sensitisation

Skin sensitisation: Not classified based on available information. Respiratory sensitisation: Not classified based on available information. **Germ cell mutagenicity** Not classified based on available information.

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Metabolic ac	: Salr tivatic ageni ay)	test nonella typhimurium on: with and without metabolic activation city (Salmonella typhimurium - reverse
Carcinogenicity Not classified based on available information. Reproductive toxicity Not classified based on available information. STOT - single exposure Not classified based on available information. STOT - repeated exposure Not classified based on available information. Aspiration toxicity Not classified based on available information. Further information Product: Remarks: No data available		
		s product present at levels greater than or tified as probable, possible or confirmed

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

OSHA

NTP

Components:

OXALIC ACID: Toxicity to daphnia and other aquatic invertebrates	E	EC50 (Water flea (Daphnia magna)): 162.2 mg/l Exposure time: 48 h Fest Type: static test
ALCOHOLS, C9-11, ETHOXYL	ATE	ED:
Toxicity to fish		-C 50 (Fathead minnow (Pimephales promelas)): 8.5 - 17 mg/l

human carcinogen by IARC.

carcinogen by OSHA.

by NTP.

No component of this product present at levels greater than or

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen

equal to 0.1% is identified as a carcinogen or potential

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o-Use CBOOE038E03		
	Exposure time: Test Type: Rer	
Toxicity to daphnia and other : aquatic invertebrates	EC 50 (Water f Exposure time: Test Type: sen	
Persistence and degradability		
Components:		
OXALIC ACID:		
Biodegradability : Biochemical ox		
ALCOHOLS, C9-11, ETHOXYLA	TED:	
Biodegradability :	Result: Readily	biodegradable
Bioaccumulative potential		
Components:		
OXALIC ACID:		
Partition coefficient: n- : octanol/water	log Pow: -1.17	
Mobility in soil		
<u>Components:</u> No data available		
Other adverse effects		
No data available		
Product:		
	No data availat	ble
<u>Components:</u>		

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods	
General advice	 Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company.
	Dispose of in accordance with all applicable local, state and federal regulations.

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Contaminated packaging	: Empty remaining contents.
	Dispose of as unused product.
	Empty containers should be taken to an approved waste
	handling site for recycling or disposal.
	Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION

International transport regulations

REGULATION

ID NUMBER	PROPER SHIPPING NAME	*HAZARD	SUBSIDIARY	PACKING	MARINE
		CLASS	HAZARDS	GROUP	POLLUTANT /
					LTD. QTY.

U.S. DOT - ROAD

UN	1760	Corrosive liquids, n.o.s. (OXALIC ACID)	8	III	

U.S. DOT - RAIL

UN	1760	Corrosive liquids, n.o.s. (OXALIC ACID)	8	III	

U.S. DOT - INLAND WATERWAYS

UN	1760	Corrosive liquids, n.o.s. (OXALIC ACID)	8	III

TRANSPORT CANADA - ROAD

UN	1760	CORROSIVE LIQUID, N.O.S. (OXALIC ACID)	8	111

TRANSPORT CANADA - RAIL

UN	1760	CORROSIVE LIQUID, N.O.S. (OXALIC ACID)	8	III

TRANSPORT CANADA - INLAND WATERWAYS

UN	1760	CORROSIVE LIQUID, N.O.S.	8	III
		(OXALIC ACID)		

INTERNATIONAL MARITIME DANGEROUS GOODS

UN	1760	CORROSIVE LIQUID, N.O.S.	8	III
		(OXALIC ACID)		

INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO

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UN	1760	Corrosive liquid, n.o.s. (OXALIC ACID)	8	III

INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER

UN	1760	Corrosive liquid, n.o.s. (OXALIC	8	III	
		ACID)			

MEXICAN REGULATION FOR THE LAND TRANSPORT OF HAZARDOUS MATERIALS AND WASTES

UN	1760	LIQUIDO CORROSIVO, N.E.P.	8	III
		(OXALIC ACID)		

*ORM = ORM-D, CBL = COMBUSTIBLE LIQUID

Marine pollutant no

Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

SECTION 15. REGULATORY INFORMATION

SARA 311/312 Hazards	: Acute Health Hazard			
SARA 313 Component(s)SARA 313	known CAS numbers that e	aterial does not contain any chemical components with CAS numbers that exceed the threshold (De Minimis) ng levels established by SARA Title III, Section 313.		
Pennsylvania Right To Know WATER		7732-18-5	70.00 - 90.00 %	
OXALIC ACID		144-62-7	5.00 - 10.00 %	
New Jersey Right To Know WATER		7732-18-5	70.00 - 90.00 %	
OXALIC ACID		144-62-7	5.00 - 10.00 %	
ALCOHOLS, C	9-11, ETHOXYLATED	68439-46-3	1.00 - 5.00 %	
California Prop 65	This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.			

The components of this product are reported in the following inventories: TSCA

: On TSCA Inventory

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DSL	: All components of this product are on the Canadian DSL.
AICS	: On the inventory, or in compliance with the inventory
NZIOC	: Not in compliance with the inventory
ENCS	: On the inventory, or in compliance with the inventory
KECI	: On the inventory, or in compliance with the inventory
PICCS	: On the inventory, or in compliance with the inventory
IECSC	: On the inventory, or in compliance with the inventory

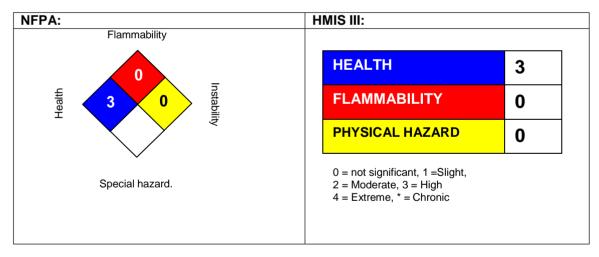
Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIOC (New Zealand), PICCS (Philippines), TSCA (USA)

SECTION 16. OTHER INFORMATION

Further information

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NFPA Flammable and Combustible Liquids Classification

Not applicable

Full text of H-Statements referred to under sections 2 and 3.

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H302	Harmful if swallowed.
H316	Causes mild skin irritation.
H318	Causes serious eye damage.
H401	Toxic to aquatic life.

Sources of key data used to compile the Safety Data Sheet Internal data including own and sponsored test reports

The UNECE administers regional agreements implementing harmonised classification for labelling (GHS) and transport.

Cefic, the European Chemical Industry Council.

ESIS European Chemical Substances Information System

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This SDS has been prepared by Niteo's Environmental Health and Safety Department (1-844-696-4836).

List of abbreviations and acronyms that could be, but not necessarily are, used in this safety data sheet :

ACGIH : American Conference of Industrial Hygienists

BEI : Biological Exposure Index

CAS : Chemical Abstracts Service (Division of the American Chemical Society).

CMR : Carcinogenic, Mutagenic or Toxic for Reproduction

FG : Food grade

GHS : Globally Harmonized System of Classification and Labeling of Chemicals.

H-statement : Hazard Statement

IATA : International Air Transport Association.

IATA-DGR : Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

ICAO : International Civil Aviation Organization

ICAO-TI (ICAO) : Technical Instructions by the "International Civil Aviation Organization"

IMDG : International Maritime Code for Dangerous Goods

ISO : International Organization for Standardization

logPow : octanol-water partition coefficient

LCxx : Lethal Concentration, for xx percent of test population

LDxx : Lethal Dose, for xx percent of test population.

ICxx : Inhibitory Concentration for xx of a substance

Ecxx : Effective Concentration of xx

N.O.S.: Not Otherwise Specified

OECD : Organization for Economic Co-operation and Development

OEL : Occupational Exposure Limit

P-Statement : Precautionary Statement

PBT : Persistent , Bioaccumulative and Toxic

PPE : Personal Protective Equipment

STEL : Short-term exposure limit

STOT : Specific Target Organ Toxicity

TLV : Threshold Limit Value

TWA : Time-weighted average

vPvB : Very Persistent and Very Bioaccumulative

WEL : Workplace Exposure Level

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CERCLA : Comprehensive Environmental Response, Compensation, and Liability Act DOT : Department of Transportation

FIFRA : Federal Insecticide, Fungicide, and Rodenticide Act

HMIRC : Hazardous Materials Information Review Commission

HMIS : Hazardous Materials Identification System

NFPA : National Fire Protection Association

NIOSH : National Institute for Occupational Safety and Health

OSHA : Occupational Safety and Health Administration

PMRA : Health Canada Pest Management Regulatory Agency

RTK : Right to Know

WHMIS : Workplace Hazardous Materials Information System