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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	Emergency telephone number
sheet	CHEMTREC DIRECT 1-800-424-9300
Niteo Products, LLC	
P.O. Box 191629	Product Information
Dallas TX 75219	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/

ohysician.

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
		F . D 4 11040	
		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 : If on skin, rinse well with water.

Wash contaminated clothing before re-use.

In case of eye contact : In the case of contact with eyes, rinse immediately with plenty

of water and seek medical advice.

Continue rinsing eyes during transport to hospital.

Remove contact lenses. Protect unharmed eye.

If swallowed : Get medical attention immediately.

Do NOT induce vomiting. Rinse mouth with water.

Do not give milk or alcoholic beverages.

Never give anything by mouth to an unconscious person.

If symptoms persist, call a physician.

Most important symptoms and effects, both acute and delayed

Inhalation of high concentrations of this material, as could occur in enclosed spaces or during deliberate abuse, may be associated with cardiac arrhythmias. Sympathomimetic drugs may initiate cardiac arrhythmias in persons exposed to this

material.

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through

the skin may include:

stomach or intestinal upset (nausea, vomiting, diarrhea)

irritation (nose, throat, airways)

Cough

discomfort in the chest

Headache

irregular heartbeat

acute kidney failure (sudden slowing or stopping of urine

production)

Difficulty in breathing

Causes serious eye damage.

Causes severe burns.

Notes to physician

This product contains oxalic acid. Following ingestion, inactivate oxalate by giving calcium as a dilute solution of calcium lactate, lime water, finely pulverized chalk, plaster, and/or milk. Gastric lavage is controversial due to possible corrosion in the esophagus or stomach. Systemic effects may be due to formation of a complex between oxalic acid and calcium which is insoluble at physiological pH and can be deposited in the brain and renal tubules, causing nervous system disturbances and kidney damage. Resultant hypocalcemia may be responsible for the muscular and cardiovascular effects, although hypovolemic shock from gastroenteritis or hemorrhage may also cause cardiovascular collapse. Intravenous administration of calcium gluconate or calcium chloride 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-Ño.	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 : Wear chemical splash goggles and face shield when there is

potential for exposure of the eyes or face to liquid, vapor or

mist.

Maintain eye wash station in immediate work area.

Skin and body protection : Wear as appropriate:

impervious clothing Chemical resistant apron

Safety shoes

Choose body protection according to the amount and concentration of the dangerous substance at the work place. Discard gloves that show tears, pinholes, or signs of wear. Wear resistant gloves (consult your safety equipment

supplier).

Hygiene measures : Wash hands before breaks and at the end of workday.

When using do not eat or drink.

Ensure that eyewash stations and safety showers are close to

the workstation location. When using do not smoke.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state : liquid

Colour : colourless

Odour : mild

Odour Threshold : No data available

pH : 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.

Components: 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

Acute dermal toxicity : LD 50 (Rabbit): > 5 g/kg

Skin corrosion/irritation

Causes severe burns.

Product:

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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Components:

OXALIC ACID:

Genotoxicity in vitro : Test Type: Ames test

Test species: Salmonella typhimurium

Metabolic activation: with and without metabolic activation Method: Mutagenicity (Salmonella typhimurium - reverse

mutation assay) Result: negative

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

Carcinogenicity:

IARC No component of this product present at levels greater than or

equal to 0.1% is identified as probable, possible or confirmed

human carcinogen by IARC.

OSHA No component of this product present at levels greater than or

equal to 0.1% is identified as a carcinogen or potential

carcinogen by OSHA.

NTP No component of this product present at levels greater than or

equal to 0.1% is identified as a known or anticipated carcinogen

by NTP.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Components:

OXALIC ACID:

Toxicity to daphnia and other : EC50 (Water flea (Daphnia magna)): 162.2 mg/l

aquatic invertebrates Exposure time: 48 h

Test Type: static test

ALCOHOLS, C9-11, ETHOXYLATED:

Toxicity to fish : LC 50 (Fathead minnow (Pimephales promelas)): 8.5 - 17

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Exposure time: 96 h Test Type: Renewal

Toxicity to daphnia and other

aquatic invertebrates

: EC 50 (Water flea (Daphnia magna)): 2.9 - 8.5 mg/l

Exposure time: 48 h
Test Type: semi-static test

Persistence and degradability

Components:

OXALIC ACID:

Biodegradability : Biochemical oxygen demand within 5 days

Result: Readily biodegradable

Biodegradation: 89 % Exposure time: 20 d

ALCOHOLS, C9-11, ETHOXYLATED:

Biodegradability : Result: Readily biodegradable

Bioaccumulative potential

Components:

OXALIC ACID:

Partition coefficient: n-

octanol/water

: log Pow: -1.17

Mobility in soil

Components:

No data available

Other adverse effects

No data available

Product:

Additional ecological

information

: No data available

Components:

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 CLASS	SUBSIDIARY HAZARDS	PACKING GROUP	MARINE POLLUTANT / LTD. QTY.
U.S. DOT - ROA	AD.				

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

U.S. DOT - RAIL

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

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.	8	III
		(OXALIC ACID)		
		•		

TRANSPORT CANADA - RAIL

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

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 ACID)	8	III
Ī			·		

MEXICAN REGULATION FOR THE LAND TRANSPORT OF HAZARDOUS MATERIALS AND WASTES

117015	-0			
UN	1760	LIQUIDO CORROSIVO, N.E.P. (OXALIC ACID)	8	III

*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

: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

144-62-7

5.00 - 10.00 %

Pennsylvania Right To Know

WATER 7732-18-5 70.00 - 90.00 % **OXALIC ACID**

New Jersey Right To Know

WATER 7732-18-5 70.00 - 90.00 %

OXALIC ACID 144-62-7 5.00 - 10.00 %

ALCOHOLS, C9-11, 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

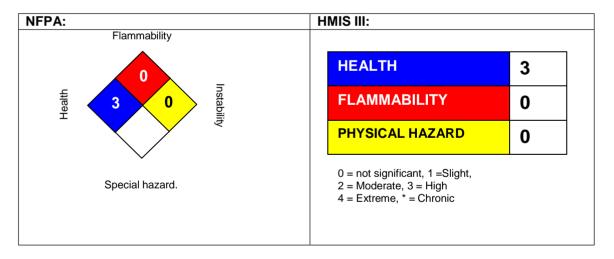
Inventories

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