

CITRUS DEGREASER SPRAY

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Boiling point	> 212 °F
Flash point	Non-combustible
Relative evaporation rate (butyl acetate=1)	1 - 2
Flammability (solid, gas)	No data available
Explosion limits	No data available
Explosive properties	No data available
Oxidizing properties	No data available
Vapor pressure	19.7 mm Hg @ 70°F
Relative density	No data available
Relative vapor density at 20 °C	> 1
Specific gravity / density	1.08 kg/l
Solubility	No data available
Log Pow	No data available
Log Kow	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic	No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

tetrasodium ethylenediaminetetracetate (64-02-8)	
LD50 oral rat	> 2000 mg/kg (Rat)
ATE US (oral)	500.000 mg/kg body weight
Ethylene glycol monobutyl ether (109-86-4)	
LD50 oral rat	2370 mg/kg (Rat)
LD50 dermal rabbit	1280 mg/kg (Rabbit)
LC50 inhalation rat (mg/l)	> 6.2 mg/l/4h (Rat)
ATE US (oral)	500.000 mg/kg body weight
ATE US (dermal)	1280.000 mg/kg body weight
ATE US (gases)	4500.000 ppmV/4h
ATE US (vapors)	11.000 mg/l/4h
ATE US (dust, mist)	1.500 mg/l/4h

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Skin corrosion/irritation	: Causes severe skin burns and eye damage. pH: 12.8
Serious eye damage/irritation	: Causes serious eye damage. pH: 12.8
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Symptoms/injuries after inhalation	: No effects known.
Symptoms/injuries after skin contact	: Causes skin irritation. Burns.
Symptoms/injuries after eye contact	: Serious damage to eyes.
Symptoms/injuries after ingestion	: Gastrointestinal complaints. Burns.
Chronic symptoms	: Dry skin.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Before neutralisation, the product may represent a danger to aquatic organisms.

tetrasodium ethylenediaminetetracetate (64-02-8)

LC50 fish 1	121 mg/l (96 h; <i>Lepomis macrochirus</i> ; Soft water)
EC50 Daphnia 1	625 mg/l (24 h; <i>Daphnia magna</i>)
LC50 fish 2	374 - 792 mg/l (96 h; <i>Lepomis macrochirus</i> ; pH > 7)
Threshold limit algae 1	> 100 mg/l (72 h; <i>Scenedesmus subspicatus</i> ; Growth)

Ethylene glycol monobutyl ether (109-86-4)

LC50 fish 1	14977 mg/l 96 h; <i>Salmo gairdneri</i> (<i>Oncorhynchus mykiss</i>)
EC50 Daphnia 1	> 10000 mg/l (24 h; <i>Daphnia magna</i>)
LC50 fish 2	9650 mg/l (96 h; <i>Lepomis macrochirus</i>)
Threshold limit other aquatic organisms 1	> 10000 mg/l (16 h; <i>Pseudomonas putida</i> ; Toxicity test)
Threshold limit algae 2	> 10000 mg/l (192 h; <i>Scenedesmus quadricauda</i> ; Toxicity test)

12.2. Persistence and degradability

tetrasodium ethylenediaminetetracetate (64-02-8)

Persistence and degradability	Not readily biodegradable in water.
Biochemical oxygen demand (BOD)	< 0.002 g O ₂ /g substance
Chemical oxygen demand (COD)	0.54 - 0.58 g O ₂ /g substance

Ethylene glycol monobutyl ether (109-86-4)

Persistence and degradability	Readily biodegradable in water. Photodegradation in the air.
Chemical oxygen demand (COD)	1.62 g O ₂ /g substance
ThOD	1.68 g O ₂ /g substance
BOD (% of ThOD)	0.07 % ThOD

12.3. Bioaccumulative potential

tetrasodium ethylenediaminetetracetate (64-02-8)

Log Pow	-2.6
Bioaccumulative potential	Bioaccumulation: not applicable.

Ethylene glycol monobutyl ether (109-86-4)

Log Pow	-0.88
Bioaccumulative potential	Bioaccumulation: not applicable.

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12.4. Mobility in soil

Ethylene glycol monobutyl ether (109-86-4)

Surface tension	0.033 N/m (20 °C)
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12.5. Other adverse effects

Effect on the global warming : No known ecological damage caused by this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Waste disposal recommendations : Do not discharge into drains or the environment. Dispose of at authorized waste collection point.
Additional information : Flammable vapors may accumulate in the container.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT
Not regulated for transport

Additional information

Other information : No supplementary information available.

ADR

Not regulated for transport

Transport by sea

Not regulated for transport

Air transport

Not regulated for transport

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory except for:

disodium metasilicate, pentahydrate	CAS No 10213-79-3	1-2
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Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

Ethylene glycol monobutyl ether	CAS No 109-86-4	1-3
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Ethylene glycol monobutyl ether (109-86-4)

Listed on United States SARA Section 313

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

No additional information available

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Not classified

National regulations

No additional information available

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15.3. US State regulations

California Proposition 65 - This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer and/or reproductive toxicity

Ethylene glycol monobutyl ether (109-86-4)				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)
No	Yes	No	Yes	63

Ethylene glycol monobutyl ether (109-86-4)

U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

Full text of H-phrases:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhalation) Category 4
Acute Tox. 4 (Inhalation:vapour)	Acute toxicity (inhalation:vapour) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Flam. Liq. 3	Flammable liquids Category 3
Skin Corr. 1A	Skin corrosion/irritation Category 1A
H226	Flammable liquid and vapor
H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H332	Harmful if inhaled

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product