

SAFETY DATA SHEET

SPRAY CLEANER

1. Identification of the substance/preparation and of the company/undertaking

Identification of the substance or preparation

Product name : SPRAY CLEANER
Product no. : 02405GC

Use of the substance/preparation : Ready - to - use spray cleaner

Company/undertaking identification

Manufacturer : Essential Industries, Inc.
P.O. Box 12
28391 Essential Rd.
Merton, WI 53056-0012 USA

Supplier : Essential Industries, Inc.
P.O. Box 12
28391 Essential Rd.
Merton, WI 53056-0012
United States

Emergency telephone number : 001-262-821-7814

2. Composition/information on ingredients

Substance/preparation : Preparation

Ingredient name	CAS number	%	EC number	Classification
3-Butoxypropan-2-ol	5131-66-8	1-5	225-878-4	Xi; R36/38
2-Aminoethanol	141-43-5	1-5	205-483-3	Xn; R20 Xi; R36/37/38
See section 16 for the full text of the R-phrases declared above				

Occupational exposure limits, if available, are listed in section 8.

3. Hazards identification

The preparation is not classified as dangerous according to Directive 1999/45/EC and its amendments.

See section 11 for more detailed information on health effects and symptoms.

4. First aid measures

First aid measures

- Inhalation** : If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.
- Ingestion** : Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If potentially dangerous quantities of this material have been swallowed, call a physician immediately.
- Skin contact** : In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention.
- Eye contact** : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.
- Specific treatments** : None identified.

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See section 11 for more detailed information on health effects and symptoms.

5. Fire-fighting measures

- Extinguishing media** : In case of fire, use water spray (fog), foam, dry chemical or CO₂.
- Special exposure hazards** : No specific hazard.
Not available.
- Hazardous thermal decomposition products** : None.
- Special protective equipment for fire-fighters** : Fire-fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.
- Remark** : No additional remark.

6. Accidental release measures

- Personal precautions** : Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment (section 8). Follow all fire-fighting procedures (section 5).
- Environmental precautions and clean-up methods** : Avoid contact of spilled material with soil and prevent runoff entering surface waterways. See section 13 for waste disposal information.
- If emergency personnel are unavailable, contain spilled material. For small spills, add absorbent (soil may be used in the absence of other suitable materials), scoop up material and place in a sealable, liquid-proof container for disposal. For large spills, dike spilled material or otherwise contain it to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

Note: see section 8 for personal protective equipment and section 13 for waste disposal.

7. Handling and storage

- Handling** : Wash thoroughly after handling.
- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area.
- Packaging materials**
- Recommended** : Use original container.
- Specific uses** : Industrial applications

8. Exposure controls/personal protection

<u>Ingredient name</u>	<u>Occupational exposure limits</u>
2-Aminoethanol	ACGIH TLV (United States, 2003). STEL: 15 mg/m ³ 15 minute(s). STEL: 6 ppm 15 minute(s). TWA: 7.5 mg/m ³ 8 hour(s). TWA: 3 ppm 8 hour(s).

- Recommended monitoring procedures** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
- Exposure controls**
- Occupational exposure controls** : Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are close to the workstation location.
- Respiratory protection** : A respirator is not needed under normal and intended conditions of product use.
- Hand protection** : Use latex gloves.
- Eye protection** : Safety glasses.
- Skin protection** : Additional body garments should be used (e.g. sleevelets, apron, disposable suit etc.), based on the task being performed.

9. Physical and chemical properties

General information

Appearance

- Physical state** : Liquid.
Color : Yellowish - Green.
Odor : Herbal.

Important health, safety and environmental information

- pH** : 10.3 - 11.3
Boiling point : Lowest known value: 100°C (212°F) (water). Weighted average: 102.71°C (216.9°F)
Melting point : May start to solidify at the following temperature: 10.61°C (51.1°F) This is based on data for the following ingredient: 2-Aminoethanol. Weighted average: 0.41°C (32.7°F)
Flash point : Not applicable.
Flammability (solid, gas) : Not applicable.
Explosive properties : Risk of explosion of the product in the presence of mechanical impact: Not available.
Risk of explosion of the product in the presence of static discharge: Not available.
Oxidizing properties : Not available.
Relative density : Weighted average: 0.32 g/cm³
Solubility : Easily soluble in the following materials: cold water, hot water, methanol, acetone.
Octanol/water partition coefficient : Not determined.
Viscosity : Not determined.
Vapor density : Highest known value: 2.11 (Air = 1) (2-Aminoethanol).
Evaporation rate (butyl acetate = 1) : Highest known value: 0.36 (water) Weighted average: 0.35 compared with Butyl acetate.

Other information

10. Stability and reactivity

- Stability** : The product is stable.
Conditions to avoid : None identified.
Materials to avoid : None identified.
Hazardous decomposition products : None.

11. Toxicological information

Potential acute health effects

- Inhalation** : May cause respiratory tract irritation.
Ingestion : May irritate digestive tract.
Skin contact : Prolonged or repeated contact may dry skin and cause irritation.
Eye contact : Direct contact may cause irritation and redness.

Acute toxicity

<u>Ingredient name</u>	<u>Test</u>	<u>Result</u>	<u>Route</u>	<u>Species</u>
3-Butoxypropan-2-ol	LD50	3100 mg/kg	Dermal	Rabbit
2-Aminoethanol	LD50	1720 mg/kg	Oral	Rat
	LD50	620 mg/kg	Oral	Guinea pig
	LD50	700 mg/kg	Oral	Mouse
	LDLo	1400 mg/kg	Oral	Mammal

- Carcinogenicity** : No carcinogenic effect known.
Mutagenicity : No mutagenic effect.
Reproductive toxicity : No teratogenic effect.

Over-exposure signs/symptoms

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Target organs : Contains material which causes damage to the following organs: upper respiratory tract, skin, central nervous system (CNS), eye, lens or cornea.

Other adverse effects : Not available.

12. Ecological information

Ecotoxicity data

<u>Ingredient name</u>	<u>Species</u>	<u>Period</u>	<u>Result</u>
2-Aminoethanol	Oncorhynchus mykiss (LC50)	96 hour(s)	150 mg/l
	Oncorhynchus mykiss (LC50)	96 hour(s)	150 mg/l
	Oncorhynchus mykiss (LC50)	96 hour(s)	>200 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	300 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	>300 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	329.16 mg/l

Mobility : Not available.

Other adverse effects : Not available.

13. Disposal considerations

Methods of disposal : Avoid contact of spilled material and runoff with soil and surface waterways. Dispose of according to all federal, state and local applicable regulations.

Waste classification : Not applicable.

European waste catalogue (EWC) : Not available.

Hazardous waste : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC..

14. Transport information

International transport regulations

<u>Regulatory information</u>	<u>UN number</u>	<u>Proper shipping name</u>	<u>Class</u>	<u>Packing group</u>	<u>Label</u>	<u>Additional information</u>
ADR/RID Class	Not Regulated.	-	-	-		-
ADNR Class	Not Regulated.	-	-	-		-
IMDG Class	Not Regulated.	-	-	-		-
IATA-DGR Class	Not Regulated.	-	-	-		-

15. Regulatory information

EU regulations

Hazard symbol or symbols :



Risk phrases : This product is not classified according to EU legislation.

Safety phrases : No specific safety phrase has been found which is applicable to this product.

Contains : Benzyl benzoate 204-402-9
(R)-p-Mentha-1,8-diene 227-813-5
octanal, 2-(phenylmethylene)- 202-983-3
1,6-octadien-3-ol, 3,7-dimethyl- 201-134-4

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- Product use** : Classification and labeling have been determined according to EU Directives 67/548/EEC and 1999/45/EC (including amendments) and take into account the intended product use.
- Industrial applications
- Additional warning phrases** : Safety Data Sheet available for professional user on request.
- EU statistical classification (Tariff Code)** : 32089091

16. Other information

Full text of R-phrases referred to in sections 2 and 3 - Europe : R20- Harmful by inhalation.
R36/37/38- Irritating to eyes, respiratory system and skin.
R36/38- Irritating to eyes and skin.

Full text of classifications referred to in sections 2 and 3 - Europe : Xn - Harmful
Xi - Irritant

Further information : UBA No. 29160027

History

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- Prepared by** : Regulatory Affairs.

Notice to reader

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