

SAFETY DATA SHEET

G2 Green Finish

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance or preparation

Product name : G2 Green Finish
Chemical formula : 8201FF
Product type : Liquid
Product description : Not available

Use of the substance/preparation

Uses

None identified.

Company/undertaking identification

Manufacturer : Essential Industries, Inc.
P.O. Box 12
28391 Essential Rd.
Merton, WI 53056-0012
United States
Phone: 262-538-1122

e-mail address of person responsible for this SDS : msds@essind.com

Emergency telephone number (with hours of operation) : 001-262-821-7814 (24 hours)

No.

2. HAZARDS IDENTIFICATION

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

Classification : Not classified.

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/preparation : Preparation

Ingredient name	CAS number	%	Number	Classification
2-(2-ethoxyethoxy)ethanol See section 16 for the full text of the R-phrases declared above	111-90-0	3.89	203-919-7	Xn; R20 [1]

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[3] PBT-substance

[4] vPvB-substance

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

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4. FIRST AID MEASURES

First aid measures

- Inhalation** : Move exposed person to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention if symptoms occur.
- Ingestion** : Wash out mouth with water. Move exposed person to fresh air. Keep person warm and at rest. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.
- Notes to physician** : No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

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

5. FIRE-FIGHTING MEASURES

Extinguishing media

- Suitable** : Use an extinguishing agent suitable for the surrounding fire.
- Not suitable** : None known.
- Special exposure hazards** : In a fire or if heated, a pressure increase will occur and the container may burst. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Hazardous thermal decomposition products** : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
phosphorus oxides
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment (see section 8).
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- Methods for cleaning up**
- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble or absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Note: see section 1 for emergency contact information and section 13 for waste disposal.

7. HANDLING AND STORAGE

- Handling** : Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking.
- Storage** : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Packaging materials

- Recommended** : Use original container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limit values

<u>Ingredient name</u>	<u>Occupational exposure limits</u>
No exposure limit value known.	

- Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and national guidance documents for methods for the determination of hazardous substances.

Exposure controls

- Occupational exposure controls** : No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.
- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Respiratory protection** : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- Eye protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.
- Skin protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9. PHYSICAL AND CHEMICAL PROPERTIES

General information

Appearance

- Physical state : Liquid
 Color : Milky White (No dye added)
 Odor : Bland (No fragrance added)

Important health, safety and environmental information

- pH : 7.1
 Boiling point : 100°C (212°F)
 Melting point : 0°C (32°F)
 Vapor pressure : <4 kPa (<30 mm Hg)
 Vapor density : <1 [Air = 1]

10. STABILITY AND REACTIVITY

- Chemical stability : The product is stable.
 Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.
 Conditions to avoid : No specific data.
 Materials to avoid : No specific data.
 Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

Toxicokinetics

- Absorption : Not available
 Distribution : Not available
 Metabolism : Not available
 Elimination : Not available

Potential acute health effects

- Inhalation : No known significant effects or critical hazards.
 Ingestion : No known significant effects or critical hazards.
 Skin contact : No known significant effects or critical hazards.
 Eye contact : No known significant effects or critical hazards.

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
2-(2-ethoxyethoxy)ethanol	LD50 Oral	Rat	7500 mg/kg	-
	LD50 Oral	Rat	5500 uL/kg	-
	LC50 Inhalation Vapor	Rat	>5240 mg/m ³	4 hours

- Conclusion/Summary : Not available

Potential chronic health effects

Chronic toxicity

- Conclusion/Summary : Not available

Irritation/Corrosion

- Conclusion/Summary : Not available

Sensitizer

- Conclusion/Summary : Not available

Carcinogenicity

- Conclusion/Summary : Not available

Mutagenicity

- Conclusion/Summary : Not available

Teratogenicity

- Date of issue/Date of revision : 7/14/2009.

11. TOXICOLOGICAL INFORMATION

Conclusion/Summary : Not available

Reproductive toxicity

Conclusion/Summary : Not available

Chronic effects : No known significant effects or critical hazards.
Carcinogenicity : No known significant effects or critical hazards.
Mutagenicity : No known significant effects or critical hazards.
Teratogenicity : No known significant effects or critical hazards.
Developmental effects : No known significant effects or critical hazards.
Fertility effects : No known significant effects or critical hazards.

Over-exposure signs/symptoms

Inhalation : No specific data.
Ingestion : No specific data.
Skin : No specific data.
Eyes : No specific data.

12. ECOLOGICAL INFORMATION

Environmental effects : No known significant effects or critical hazards.

Aquatic ecotoxicity

Product/ingredient name	Test	Result	Species	Exposure
2-(2-ethoxyethoxy)ethanol	-	Acute LC50 21400000 to 23900000 ug/L Fresh water	Fish - Bluegill - Lepomis macrochirus - 0.44 g	96 hours
	-	Acute LC50 20800000 to 27500000 ug/L Fresh water	Fish - Goldfish - Carassius auratus - 0.92 g	96 hours
	-	Acute LC50 15200000 to 18700000 ug/L Fresh water	Fish - Western mosquitofish - Gambusia affinis - 0.23 g	96 hours
	-	Acute LC50 13900000 to 16700000 ug/L Fresh water	Fish - Fathead minnow - Pimephales promelas - 1.44 g	96 hours
	-	Acute LC50 13400000 to 15700000 ug/L Fresh water	Fish - Rainbow trout,donaldson trout - Oncorhynchus mykiss - 0.68 g	96 hours
	-	Acute LC50 12900000 to 15000000 ug/L Fresh water	Fish - Western mosquitofish - Gambusia affinis - 0.25 g	96 hours
	-	Acute LC50 >10000000 ug/L Fresh water	Fish - Bluegill - Lepomis macrochirus - 33 to 75 mm	96 hours
	-	Acute LC50 9650000 to 11800000 ug/L Fresh water	Fish - Fathead minnow - Pimephales promelas - 0.35 g	96 hours
	-	Acute LC50 6010000 to 8080000 ug/L Fresh water	Fish - Channel catfish - Ictalurus punctatus - 0.72 g	96 hours
	-	Acute LC50 4670000 to	Daphnia - Water flea - Daphnia	48 hours

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12. ECOLOGICAL INFORMATION

6010000 ug/L Fresh water	magna - Neonate - 0 to 24 hours
- Acute LC50 3340000 to 5280000 ug/L Fresh water	Daphnia - Water 48 hours flea - Daphnia magna - Neonate - 0 to 24 hours

Conclusion/Summary : Not available
Biodegradability
Conclusion/Summary : Not available
Other adverse effects : No known significant effects or critical hazards.
PBT : Not available
vPvB : Not available

13. DISPOSAL CONSIDERATIONS

Methods of disposal : The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

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

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
ADR/RID Class	Not regulated	-	-	-		-
ADNR Class	Not regulated	-	-	-		-
IMDG Class	Not regulated	-	-	-		-
IATA Class	Not regulated	-	-	-		-

PG* : Packing group

15. REGULATORY INFORMATION

Chemical Safety Assessment : This product contains substances for which Chemical Safety Assessments are still required.

EU regulations

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.

Risk phrases : This product is not classified according to EU legislation.
Product use : Consumer applications.
Europe inventory : Not determined.
Black List Chemicals :
Priority List Chemicals :

Integrated pollution prevention and control list (IPPC) - Air :

Date of issue/Date of revision : 7/14/2009.

15. REGULATORY INFORMATION

Integrated pollution prevention and control list (IPPC) - Water :

Prior Informed Consent. List of chemicals subject to the international PIC procedure (Part I, II, III) :

Other EU regulations

Additional warning phrases : Safety Data Sheet available for professional user on request.

International regulations

Chemical Weapons Convention : List Schedule I Chemicals

Chemical Weapons Convention : List Schedule II Chemicals

Chemical Weapons Convention : List Schedule III Chemicals

16. OTHER INFORMATION

Full text of R-phrases referred to in sections 2 and 3 - Europe : R20- Harmful by inhalation.

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

Restrictions on use

Uses

None identified.

History

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Date of previous issue : No previous validation.

Version : 1

Prepared by : Not available

Indicates information that has changed from previously issued version.

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Annex