



WOOD WYANT

# Material Safety Data Sheet

<b>WHMIS</b>	<b>TDG Road/Rail</b>	<b>Health Hazard</b>	<b>1</b>
		<b>Fire Hazard</b>	<b>0</b>
		<b>Reactivity</b>	<b>0</b>
		<b>Personal Protection</b>	<b>B</b>

## 1. Product and company identification

**Product name** : VERT-2-GO STORM RINSE **Code** : 11-12605  
**Date of issue (yyyy/mm/dd)** : 2014-06-12. **Material uses** : Industrial applications: Floor cleaning.  
**Supplier** : Wood Wyant **Manufacturer** : Wood Wyant  
 A division of Sani-Marc Group  
 42, rue de l'Artisan  
 Victoriaville, Québec  
 G6P 7E3

**In case of emergency** : **Emergency phone: CANUTEC (613) 996-6666 (Collect calls accepted)**

## 2. Hazards identification

**Potential hazards described in this section are not expected when manufacturer's direction for use and proper security measures are observed.**

**Physical state** : Liquid. **Odor** : Citrus  
**Emergency overview** : **WARNING!**  
 May be harmful if swallowed. Irritating to eyes and skin. Do not ingest. Avoid breathing vapor or mist. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.  
**Routes of entry** : Not available.

### Potential acute health effects

**Inhalation** : No known significant effects or critical hazards.  
**Ingestion** : Harmful if swallowed.  
**Skin** : Irritating to skin.  
**Eyes** : Irritating to eyes.

See toxicological information (Section 11) for more details.

## 3. Composition/information on ingredients

Name	CAS number	% (w/w)
Glycine, N,N-bis(carboxymethyl)-, trisodium salt, monohydrate	164462-16-2	5 - 10
Alcohols, C12-15, ethoxylated	68131-39-5	1 - 5
citric acid	77-92-9	1 - 5

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.

## 4. First aid measures

**Eye contact** : Check for and remove any contact lenses. Flush eyes with water, occasionally lifting the upper and lower eyelids. Get medical attention if irritation persists or if symptoms develop.  
**Skin contact** : In case of contact, flush with water. Get medical attention if irritation develops.  
**Inhalation** : There are no specific inhalation hazard associated with this product when directions for uses are followed. No specific measures required.  
**Ingestion** : Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.  
**Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

## 5. Fire-fighting measures

**Flammability of the product** : In a fire or if heated, a pressure increase will occur and the container may burst.  
**Extinguishing media**  
**Suitable** : Use an extinguishing agent suitable for the surrounding fire.  
**Not suitable** : None known.  
**Special exposure hazards** : 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  
**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. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. 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. Alternatively, or if water-insoluble, 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. Approach release from upwind. 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. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## 7. Handling and storage

- Handling** : Suggested personal protection equipment should be worn at all time when handling the product. Handle in accordance with manufacturer direction for uses. Avoid contact with eye or skin.
- Storage** : Store product in a dry, cool ventilated area. Protect from freezing. Keep out of reach of children.

## 8. Exposure controls/personal protection

Occupational exposure limits		TWA (8 hours)			STEL (15 mins)			Ceiling			Notations
Ingredient	List name	ppm	mg/m <sup>3</sup>	Other	ppm	mg/m <sup>3</sup>	Other	ppm	mg/m <sup>3</sup>	Other	
No exposure limit value known.											

Consult local authorities for acceptable exposure limits.

- Recommended monitoring procedures** : No specific monitoring measures required.
- Engineering measures** : General room ventilation is adequate for the use of the product. No additional ventilation is required.
- 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.

### Personal protection

- Respiratory** : No specific respiratory protection required.
- Hands** : It is suggested to wear chemical impervious gloves when handling or using the product.
- Eyes** : It is suggested to wear safety glasses when handling or using the product.
- Skin** : No specific measure required.

## 9. Physical and chemical properties

<b>Physical state</b>	: Liquid.	<b>Molecular formula</b>	: Not applicable.	<b>Flammable limits</b>	: Not available.
<b>Color</b>	: Red.	<b>Molecular weight</b>	: Not applicable.	<b>Burning rate</b>	: Not applicable.
<b>Odor</b>	: Citrus	<b>Vapor pressure</b>	: Not available.	<b>Burning time</b>	: Not applicable.
<b>Relative density</b>	: 1.04	<b>Vapor density</b>	: Not available.	<b>Critical temperature</b>	: Not available.
<b>pH</b>	: 8.5	<b>Volatility</b>	: Not available.	<b>Auto-ignition temperature</b>	: Not available.
<b>Viscosity</b>	: Not available.	<b>Evaporation rate</b>	: Not available.	<b>Flash point</b>	: [Product does not sustain combustion.]
<b>Odor threshold</b>	: Not available.	<b>Ionicity (in water)</b>	: Not available.	<b>Dispersibility properties</b>	: Not available.
<b>Solubility</b>	: Easily soluble in the following materials: cold water and hot water.				
<b>Melting/freezing point</b>	: Not available.	<b>Boiling/condensation point</b>	: Not available.		

## 10. Stability and reactivity

- Chemical stability** : The product is stable.
- 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.
- Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.

## 11. Toxicological information

The symptoms, hazards and situations described in this section are not expected when manufacturer's direction for use, proper security measures and given professional exposure limits are correctly followed.

### Potential chronic health effects

- 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.
- Target organs** : Not available.

## 11. Toxicological information

### Over-exposure signs/symptoms

<b>Inhalation</b>	: Not a usual way of absorption
<b>Ingestion</b>	: No specific data.
<b>Skin</b>	: Adverse symptoms may include the following: irritation redness
<b>Eyes</b>	: Adverse symptoms may include the following: pain or irritation watering redness

**Medical conditions aggravated by over-exposure** :

None known.

### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Glycine, N,N-bis(carboxymethyl)-, trisodium salt, monohydrate	LD50 Dermal	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	>2000 mg/kg	-
Alcohols, C12-15, ethoxylated	LD50 Oral	Rat	2 g/kg	-
	LD50 Oral	Rat	4150 mg/kg	-
citric acid	LD50 Dermal	Rat	2000 mg/kg	-
	LD50 Oral	Mouse	5040 mg/kg	-
	LD50 Oral	Rat	3 g/kg	-
	LD50 Oral	Rat	11700 mg/kg	-

### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
citric acid	Eyes - Severe irritant	Rabbit	-	24 hours 750 Micrograms	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Moderate irritant	Rabbit	-	0.5 Milliliters	-

## 12. Ecological information

**Ecotoxicity** : No known significant effects or critical hazards.

### Aquatic ecotoxicity


Product/ingredient name	Test	Result	Exposure	Species
Glycine, N,N-bis(carboxymethyl)-, trisodium salt, monohydrate	-	Acute LC50 >100 mg/l	96 hours	Fish - Fauna - Zebra fish
Alcohols, C12-15, ethoxylated	-	Acute EC50 0.7 mg/l Fresh water	96 hours	Algae - Green algae - Pseudokirchneriella subcapitata
	-	Acute EC50 0.39 mg/l Fresh water	48 hours	Crustaceans - Water flea - Ceriodaphnia dubia - Neonate
	-	Acute EC50 302 µg/l Fresh water	48 hours	Daphnia - Water flea - Daphnia magna - Neonate
	-	Acute LC50 1400 µg/l Fresh water	96 hours	Fish - Fathead minnow - Pimephales promelas
	-	Chronic NOEC 1 mg/l Fresh water	96 hours	Algae - Green algae - Pseudokirchneriella subcapitata
	-	Chronic NOEC 83 µg/l Fresh water	21 days	Daphnia - Water flea - Daphnia magna - Neonate
citric acid	-	Acute LC50 160000 µg/l Marine water	48 hours	Crustaceans - Green crab - Carcinus maenas - Adult
	-	Acute LC50 440 mg/l	96 hours	Fish

## 13. Disposal considerations

**Waste disposal** : Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

## 14. Transport information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
DOT Classification	Not regulated.	-	-	-		-
TDG Classification	Not regulated.	-	-	-		-

PG\* : Packing group

## 15. Regulatory information

### United States inventory (TSCA 8b)

### WHMIS (Canada)

### Canadian lists

: All components are listed or exempted.  
 : Class D-2B: Material causing other toxic effects (Toxic).  
 : **CEPA Toxic substances:** None of the components are listed.  
 : **Canadian ARET:** None of the components are listed.  
**Canadian NPRI:** The following components are listed: Nitrilotriacetic acid  
**Alberta Designated Substances:** None of the components are listed.  
**Ontario Designated Substances:** None of the components are listed.  
**Quebec Designated Substances:** None of the components are listed.

### Canada inventory

### Other certification

:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

## 16. Other information on the product


**Label requirements** : CAUSES EYE AND SKIN IRRITATION. MAY BE HARMFUL IF SWALLOWED.

**Date of printing (YYYY-MM-DD)** : 2014-06-12.

**Date of issue (YYYY-MM-DD)** : 2014-06-12.

Note: MSDS are valid for a 3 years period after the date of issue

MSDS prepared by:  
 QA and Documentation Department  
 Wood Wyant  
 A division of Sani-Marc Group  
 42, rue de l'Artisan  
 Victoriaville, Québec  
 G6P 7E3

 Indicates information that has changed from previously issued version.

### Notice to reader

There are potential hazards to people and goods associated with the use of this product which are detailed in the present Material Safety Data Sheet (MSDS). To minimize potential hazards associated with this product it is of users responsibility to conform the directions for use and all other instructions provided in the Material Safety Data Sheet (MSDS) of this product. The manufacturer, distributors and suppliers of this product are exonerating themselves and consequently shall not be liable for any prejudice or damage of any kind, resulting from the use of this product which may not be in accordance with the directions for use or all the instructions provided in the present Material Safety Data Sheet (MSDS) or resulting from an unadvised use of the present product..

**Emergency phone: CANUTEC (613) 996-6666 (Collect calls accepted)**