

SAFETY DATA SHEET

Revision Date 01-June-2015

Version 1

1. IDENTIFICATION

Product Identifier

Product Name Janus® Silver Floor Finish

Other means of Identification

SDS # 2500

Product Code 2564

Recommended use of the chemical and restrictions on use

Recommended Use Floor finish

Details of the Supplier of the Safety Data Sheet

Supplier Address

PortionPac Chemical Corporation 400 N. Ashland Avenue Chicago, IL 60622-6382 www.portionpaccorp.com

Emergency Telephone Number

Company Phone Number Phone: 312-226-0400 Fax: 312-226-5400

Emergency Telephone Number INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Classification

Reproductive toxicity Category 2

Signal Word

Warning

Hazard Statements

Suspected of damaging fertility or the unborn child.



Precautionary Statements - Prevention

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Use personal protective equipment as required.

Precautionary Statements - Response

If exposed or concerned: Get medical advice.

Precautionary Statements - Storage

Store locked up.

Precautionary Statements - Disposal

Dispose of container to an approved waste disposal plant.

Hazards not otherwise classified (HNOC) Not applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Appearance Milky white liquid **Physical State** Liquid **Odor** Characteristic

Chemical Name	CAS No	Weight-%
tributoxyethyl phosphate	78-51-3	≤1-5%
diethylene glycol monomethyl ether	111-77-3	≤1-5%
Ethylene glycol	107-21-1	≤1-5%

In the concentrations in this formulation, the ingredients listed below are considered to be non-hazardous according to OSHA 1910.1200:

water (CAS# 7732-18-5), urethane emulsion polymer (proprietary).

4. FIRST AID MEASURES**First aid measures**

- Eye Contact** Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
- Skin (or hair) Contact** Wash off immediately with plenty of water for at least 15 minutes.
- Inhalation** Remove to fresh air.
- Ingestion** Rinse mouth with water. Then, immediately drink plenty of water. Consult a physician.

Most important symptoms and effects, both acute and delayed

- Symptoms** Suspected of damaging fertility or the unborn child.

Indication of any immediate medical attention and special treatment needed

- Note to physicians** Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media Measures that are appropriate to circumstances and the surrounding environment.

Unsuitable Extinguishing Media Not determined.

Specific hazards arising from the chemical Not determined.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

- Personal precautions** Use personal protective equipment as described in Section 8 of this Safety Data Sheet.

Methods and material for containment and cleaning up

- Methods for containment** Prevent further leakage or spillage.
- Methods for cleaning up** Paper toweling or mopping is usually sufficient.

7. HANDLING AND STORAGE**Precautions for safe handling**

- Advice on safe handling** Do not handle until all safety precautions have been read and understood. Use personal protective equipment as described in Section 8.
Keep out of reach of children.

Conditions for safe storage, including any incompatibilities

- Storage conditions** Keep containers in a dry, cool and well-ventilated place. Store locked up.
- Incompatible materials** None known.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
ethylene glycol 107-21-1	Ceiling: 100 mg/m ³ aerosol only	(vacated) Ceiling: 50 ppm (vacated) Ceiling: 125 mg/m ³	-

- Engineering Controls** None.

Individual protection measures, such as personal protective equipment

- Eye/face protection** Not normally necessary in general use. Wear safety glasses if splashes can get into eyes.
- Skin and body protection** Not normally necessary in general use.
- Respiratory protection** Ensure adequate ventilation especially in confined areas.
- General Hygiene Considerations** Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid	Odor	Characteristic
Appearance	Milky white liquid	Odor Threshold	Not determined
Color	Milky white		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	7.6-8.6	
Melting point/freezing point	Not determined.	
Boiling point/boiling range	Not determined.	
Flash point	Not determined.	
Evaporation rate	Not determined.	
Flammability (solid, gas)	Not applicable.	
Flammability Limits in Air		
Upper flammability limits	Not determined.	
Lower flammability limit	Not determined.	
Vapor pressure	Not determined.	
Vapor density	Not determined.	
Specific Gravity	1.05 g/cm ³	(1=Water)
Water solubility	Completely soluble.	
Solubility in other solvents	Not determined.	
Partition coefficient	Not determined.	
Autoignition temperature	Not determined.	
Decomposition temperature	Not determined.	
Kinematic viscosity	Not determined.	
Dynamic viscosity	Not determined.	

10. STABILITY AND REACTIVITY

Reactivity	Not reactive under normal conditions.
Chemical stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	None under normal processing.
Conditions to avoid	None.
Incompatible materials	None known.
Hazardous Decomposition Products	None known.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Eye, skin contact, inhalation or ingestion.

Information on physical, chemical and toxicological effects

Symptoms Please see Section 4 for symptoms.

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
ethylene glycol 107-21-1	4000 – 10200 mg/kg (Rat)	=9530 µL/kg (Rabbit) = 10600 mg/kg (Rat)	-
tributoxyethyl phosphate 78-51-3	=4 mL/kg (Rat)	=650 mg/kg (Rabbit) = 2500 µL/kg (Rabbit)	-
diethylene glycol monomethyl ether 111-77-3	=3000 mg/kg (Rat)	> 16 mL/kg (Rabbit)	>6.4 mg/L (Rat) 4h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Reproductive toxicity Suspected of damaging fertility or the unborn child.

Numerical measures of toxicity - Product

Not determined.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Harmful to aquatic life with long lasting effects.

Component Information

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
tributoxyethyl phosphate 78-51-3		10.4 - 12.0: 96 h Pimephales promelas mg/L LC50 flow-through	-	-
diethylene glycol monomethyl ether 111-77-3	500: 72 h Desmodesmus subspicatus mg/L EC50	7500: 96 h Lepomis macrochirus mg/L LC50 static 7500: 96 h Lepomis macrochirus mg/L LC50 5741: 96 h Pimephales promelas mg/L LC50	EC50 > 10000 mg/L 17 h	500: 48 h Daphnia magna mg/L EC50
Ethylene glycol 107-21-1	6500 - 13000: 96 h Pseudokirchneriella subcapitata mg/L EC50	41000: 96 h Oncorhynchus mykiss mg/L LC50 14 - 18: 96 h Oncorhynchus mykiss mL/L LC50 static 27540: 96 h Lepomis macrochirus mg/L LC50 static 40761: 96 h Oncorhynchus mykiss mg/L LC50 static 16000: 96 h Poecilia reticulata mg/L LC50 static 40000 - 60000: 96 h Pimephales promelas mg/L LC50 static	EC50 = 10000 mg/L 16 h EC50 = 620 mg/L 30 min EC50 = 620.0 mg/L 30 min	46300: 48 h Daphnia magna mg/L EC50

Persistence and degradability Not determined.**Bioaccumulation** Not determined.**Mobility**

Chemical Name	Partition Coefficient
tributoxyethyl phosphate 78-51-3	3.65 - 4.78
diethylene glycol monomethyl ether 111-77-3	-0.682
ethylene glycol 107-21-1	-1.93

Other adverse effects Not determined.**13. DISPOSAL CONSIDERATIONS****Waste treatment methods****Disposal of wastes** Dispose of in accordance with applicable regional, national and local laws and regulations.**Contaminated packaging** Dispose of in accordance with applicable regional, national and local laws and regulations.**14. TRANSPORT INFORMATION****DOT** Not regulated.**IATA** Not regulated.**IMDG** This material may meet the definition of a marine pollutant.**15. REGULATORY INFORMATION****International Inventories**

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
tributoxyethyl phosphate	Present	X		Present		Present	X	Present	X	X
ethylene glycol	Present	X		Present		Present	X	Present	X	X
diethylene glycol monomethyl ether	Present	X		Present		Present	X	Present	X	X

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory, **DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List, **EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances, **ENCS** - Japan Existing and New Chemical Substances, **IECSC** - China Inventory of Existing Chemical Substances, **KECL** - Korean Existing and Evaluated Chemical Substances, **PICCS** - Philippines Inventory of Chemicals and Chemical Substances

US Federal Regulations**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
ethylene glycol 107-21-1	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ -

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	CAS No	Weight-%	SARA 313 - Threshold Values %
ethylene glycol	107-21-1	2.56	1.0
diethylene glycol monomethyl ether	111-77-3	2.56	1.0

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

US State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
ethylene glycol 107-21-1	X	X	X
diethylene glycol monomethyl ether 111-77-3	X	X	X

16. OTHER INFORMATION

<u>NFPA</u>	Health hazards 1	Flammability 0	Instability 0	Special hazards N/A
<u>HMIS</u>	Health hazards 1	Flammability 0	Physical hazards 0	Personal protection A

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Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet