

SAFETY DATA SHEET

PROSOCO, Inc.



Issue Date 29-Jan-2015

Revision Date 29-Jan-2015

Version 1

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

Product identifier

Product Name Stand Off® Liquid Marble Cleaner

Other means of identification

Product Code 55043
UN/ID No UN1993

Recommended use of the chemical and restrictions on use

Recommended Use Restricted to professional users.
Uses advised against No information available

Details of the supplier of the safety data sheet

Manufacturer Address
PROSOCO, Inc.
3741 Greenway Circle
Lawrence, Kansas 66046

Emergency telephone number

8:00 AM – 5:00 PM CST Monday-Friday 785-865-4200
NON-BUSINESS HOURS (INFOTRAC) 800-535-5053

2. HAZARDS IDENTIFICATION

Classification

| | |
|-----------------------------------|------------|
| Serious eye damage/eye irritation | Category 2 |
|-----------------------------------|------------|

Label elements

Emergency Overview

Warning

Hazard statements

Causes serious eye irritation



Appearance viscous

Physical state Liquid

Odor Pleasant Soap

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
Wear eye/face protection

Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention

Hazards not otherwise classified (HNOC)**Other Information**

- Causes mild skin irritation
- 2.59306% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No | Weight-% | Trade Secret |
|---------------------------------|-------------|----------|--------------|
| Water | 7732-18-5 | 60 - 100 | * |
| Phosphate Compound | Proprietary | 5 - 10 | * |
| Phosphate Compound | Proprietary | 5 - 10 | * |
| Isopropyl Alcohol | 67-63-0 | 1 - 5 | * |
| Ethylene glycol monobutyl ether | 111-76-2 | 1 - 5 | * |

* The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First aid measures

| | |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| General advice | If symptoms persist, call a physician. |
| Eye contact | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician. |
| Skin Contact | Wash off immediately with plenty of water. Consult a physician if necessary. |
| Inhalation | Remove to fresh air. Oxygen or artificial respiration if needed. If symptoms persist, call a physician. |
| Ingestion | Do NOT induce vomiting. Rinse mouth. Drink plenty of water. Call a POISON CENTER or doctor/physician if you feel unwell. |
| Self-protection of the first aider | Use personal protective equipment as required. |

Most important symptoms and effects, both acute and delayed

Symptoms Causes serious eye irritation. May cause skin irritation.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media Caution: Use of water spray when fighting fire may be inefficient.

Specific hazards arising from the chemical

No information available.

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 required. Ensure adequate ventilation, especially in confined areas. Slippery when spilled.

Environmental precautions

Environmental precautions Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. See Section 12 for additional ecological information.

Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so. Dike far ahead of liquid spill for later disposal.

Methods for cleaning up Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Ensure adequate ventilation, especially in confined areas. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep in properly labeled containers. Keep tightly closed in a dry and cool place. Keep out of the reach of children.

Incompatible materials Chlorinated compounds. Strong oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters**Exposure Guidelines**

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|------------------------------|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Isopropyl Alcohol 67-63-0 | STEL: 400 ppm TWA: 200 ppm | TWA: 400 ppm TWA: 980 mg/m ³ (vacated) TWA: 400 ppm (vacated) TWA: 980 mg/m ³ (vacated) STEL: 500 ppm (vacated) STEL: 1225 mg/m ³ | IDLH: 2000 ppm TWA: 400 ppm TWA: 980 mg/m ³ STEL: 500 ppm STEL: 1225 mg/m ³ |

| | | | |
|---------------------------------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| Ethylene glycol monobutyl ether 111-76-2 | TWA: 20 ppm | TWA: 50 ppm TWA: 240 mg/m ³ (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m ³ (vacated) S* S* | IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m ³ |
|---------------------------------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|

NIOSH IDLH *Immediately Dangerous to Life or Health*

Other Information Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Appropriate engineering controls

Engineering Controls None under normal use conditions.

Individual protection measures, such as personal protective equipment

- Eye/face protection** Tight sealing safety goggles.
- Skin and body protection** Wear protective gloves and protective clothing.
- Respiratory protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

| | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|---------------------------------------------------|
| <p>Physical state Appearance Color</p> | <p>Liquid viscous clear</p> | <p>Odor Odor threshold</p> | <p>Pleasant Soap No information available</p> |
| <p>Property pH Melting point/freezing point Boiling point/boiling range Flash point Evaporation rate Flammability (solid, gas) Flammability Limits in Air Upper flammability limits Lower flammability limit Vapor pressure Vapor density Specific Gravity Water solubility Solubility in other solvents Partition coefficient Autoignition temperature Decomposition temperature Kinematic viscosity Dynamic viscosity</p> | <p>Values 9 -6 °C / 21 °F No information available 54.4 °C / 130 °F No information available No information available No information available No information available No information available No information available 1.12 completely soluble No information available No information available No information available No information available No information available No information available</p> | <p>Remarks • Method pH Range 9-10 ASTM D 3278</p> | |

10. STABILITY AND REACTIVITY

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

Heat.

Incompatible materials

Chlorinated compounds. Strong oxidizing agents.

Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating and toxic gases and vapors. Carbon oxides. Nitrogen oxides (NOx).

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

| | |
|----------------------------|-------------------------------------------------------------|
| Product Information | Causes serious eye irritation |
| Inhalation | Avoid breathing vapors or mists. May be harmful if inhaled. |
| Eye contact | Severely irritating to eyes. |
| Skin Contact | Avoid contact with skin. May cause irritation. |
| Ingestion | Do not taste or swallow. Harmful if swallowed. |

Component Information

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---------------------------------------------|----------------------|------------------------------------------------|-----------------------------------------------|
| Water 7732-18-5 | > 90 mL/kg (Rat) | - | - |
| Phosphate Compound | - | > 4640 mg/kg (Rabbit) | - |
| Phosphate Compound | = 3100 mg/kg (Rat) | > 7940 mg/kg (Rabbit) | - |
| Isopropyl Alcohol 67-63-0 | = 4396 mg/kg (Rat) | = 12800 mg/kg (Rat) = 12870 mg/kg (Rabbit) | = 72.6 mg/L (Rat) 4 h |
| Ethylene glycol monobutyl ether 111-76-2 | = 470 mg/kg (Rat) | = 2270 mg/kg (Rat) = 220 mg/kg (Rabbit) | = 2.21 mg/L (Rat) 4 h = 450 ppm (Rat) 4 h |

Information on toxicological effects

Symptoms Causes serious eye irritation. May cause skin irritation.

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

Sensitization No information available.

Germ cell mutagenicity No information available.

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical Name | ACGIH | IARC | NTP | OSHA |
|---------------|-------|------|-----|------|
|---------------|-------|------|-----|------|

| | | | | |
|---------------------------------------------|----|---------|---|---|
| Ethylene glycol monobutyl ether 111-76-2 | A3 | Group 3 | - | - |
|---------------------------------------------|----|---------|---|---|

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Not classifiable as a human carcinogen

| | |
|---------------------------------|---------------------------------------------------------------------------------------------------------|
| Reproductive toxicity | No information available. |
| STOT - single exposure | No information available. |
| STOT - repeated exposure | No information available. |
| Chronic toxicity | May cause adverse effects on the bone marrow and blood-forming system. May cause adverse liver effects. |
| Target Organ Effects | blood, central nervous system, Eyes, Hematopoietic System, kidney, liver, Respiratory system, Skin. |
| Aspiration hazard | No information available. |

Numerical measures of toxicity - Product Information

Unknown Acute Toxicity 2.59306% of the mixture consists of ingredient(s) of unknown toxicity

The following values are calculated based on chapter 3.1 of the GHS document .

| | |
|--------------------------------------|------------------|
| ATEmix (oral) | 12261 mg/kg |
| ATEmix (dermal) | 22586 mg/kg mg/l |
| ATEmix (inhalation-dust/mist) | 151 mg/l |
| ATEmix (inhalation-vapor) | 155.4 mg/l |

12. ECOLOGICAL INFORMATION

Ecotoxicity

| Chemical Name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|---------------------------------------------|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|------------------------------------------------------------------------------|
| Phosphate Compound | - | 100: 96 h Oncorhynchus mykiss mg/L LC50 | - | 100: 48 h water flea mg/L EC50 |
| Phosphate Compound | - | 1650: 48 h Leuciscus idus mg/L LC50 | - | - |
| Isopropyl Alcohol 67-63-0 | 1000: 96 h Desmodemus subspicatus mg/L EC50 1000: 72 h Desmodemus subspicatus mg/L EC50 | 9640: 96 h Pimephales promelas mg/L LC50 flow-through 11130: 96 h Pimephales promelas mg/L LC50 static 1400000: 96 h Lepomis macrochirus µg/L LC50 | - | 13299: 48 h Daphnia magna mg/L EC50 |
| Ethylene glycol monobutyl ether 111-76-2 | - | 1490: 96 h Lepomis macrochirus mg/L LC50 static 2950: 96 h Lepomis macrochirus mg/L LC50 | - | 1698 - 1940: 24 h Daphnia magna mg/L EC50 1000: 48 h Daphnia magna mg/L EC50 |

Persistence and degradability

No information available.

Bioaccumulation

No information available.

| Chemical Name | Partition coefficient |
|---------------------------------------------|-----------------------|
| Isopropyl Alcohol 67-63-0 | 0.05 |
| Ethylene glycol monobutyl ether 111-76-2 | 0.81 |

Other adverse effects No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

| | |
|-------------------------------|-----------------------------------------------------------------------------------------------------|
| Disposal of wastes | Disposal should be in accordance with applicable regional, national and local laws and regulations. |
| Contaminated packaging | Do not reuse container. |
| US EPA Waste Number | D001 |

This product contains one or more substances that are listed with the State of California as a hazardous waste.

14. TRANSPORT INFORMATION

| | |
|-----------------------------|----------------------------------------------------------------------|
| DOT | Not regulated (If shipped in NON BULK packaging by ground transport) |
| UN/ID No | UN1993 |
| Proper shipping name | Flammable liquids, n.o.s., (Isopropyl alcohol) |
| Hazard Class | 3 |
| Packing Group | III |

| | |
|-----------------------------|------------------------------------------------|
| IATA | |
| UN/ID No | UN1993 |
| Proper shipping name | Flammable liquids, n.o.s., (Isopropyl alcohol) |
| Hazard Class | 3 |
| Packing Group | III |

| | |
|-----------------------------|------------------------------------------------|
| IMDG | |
| UN/ID No | UN1993 |
| Proper shipping name | Flammable liquids, n.o.s., (Isopropyl alcohol) |
| Hazard Class | 3 |
| Packing Group | III |

15. REGULATORY INFORMATION

International Inventories

| | |
|-----------------|----------|
| TSCA | Complies |
| DSL/NDSL | Complies |

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

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 % |
|--------------------------------------------|----------|----------|-------------------------------|
| Isopropyl Alcohol - 67-63-0 | 67-63-0 | 1 - 5 | 1.0 |
| Ethylene glycol monobutyl ether - 111-76-2 | 111-76-2 | 1 - 5 | 1.0 |

SARA 311/312 Hazard Categories

| | |
|-----------------------------------|-----|
| Acute health hazard | Yes |
| Chronic Health Hazard | No |
| Fire hazard | Yes |
| Sudden release of pressure hazard | No |
| Reactive Hazard | No |

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)

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). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

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 |
|---------------------------------------------|------------|---------------|--------------|
| Isopropyl Alcohol 67-63-0 | X | X | X |
| Ethylene glycol monobutyl ether 111-76-2 | X | X | X |

16. OTHER INFORMATION

| | | | | |
|-------------|-------------------|----------------|--------------------|------------------------------------|
| NFPA | Health hazards 2 | Flammability 0 | Instability 0 | Physical and Chemical Properties - |
| HMIS | Health hazards 2* | Flammability 0 | Physical hazards 0 | Personal protection X |

Prepared By Regulatory Department
 Issue Date 29-Jan-2015
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Revision Note

No information available

Disclaimer

The information contained on the Material Safety Data Sheet has been compiled from data considered accurate. This data is believed to be reliable, but it must be pointed out that values for certain properties are known to vary from source to source. PROSOCO, Inc. expressly disclaims any warranty express or implied as well as any liability for any injury or loss arising from the use of this information or the materials described. This data is not to be construed as absolutely complete since additional data may be desirable when particular conditions or circumstances exist. It is the responsibility of the user to determine the best precautions necessary for the safe handling and use of this product for his unique application. This data relates only to the specific material designated and is not to be used in combination with any other material. Many federal and state regulations pertain directly or indirectly to the product's end use and disposal of containers and unused material. It is the purchaser's responsibility to familiarize himself with all applicable regulations.

End of Safety Data Sheet