

Perimeter Solutions Material Safety Data Sheet

Material: Material: PHOS-CHEK® SOLID CLASS A FOAM STICK

Reference No.: AST10163

Page 1 of 5

June 7, 2011

Safety Data Sheet



1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: PHOS-CHEK® SOLID CLASS A FOAM STICK
Reference Number: AST 10163
Date: June 7, 2011

Company Information:

Perimeter Solutions

622 Emerson Road - Suite 500
St. Louis, Missouri 63141

Emergency telephone: In USA call CHEMTREC: 1-800-424-9300
In Canada call CANUTEC: 1-613-996-6666
Outside North America call CHEMTREC:1-703-527-3887

General Information: 1-800-244-6169

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS No.</u>	<u>% by weight</u>
Surfactant A	-	10-25
Surfactant B	-	10-25
2,4-pentandiol, 2-methyl-	107-41-5	1 - 3
Performance Additives+	Trade Secret	40 - 60

+ Components are Company Trade Secret - Business Confidential. Perimeter Solutions is withholding the specific chemical identity under provision of the OSHA Hazard Communication Rule Trade Secrets (1910.1200(i)(1)). The specific chemical identity will be made available to health professionals in accordance with 29 CFR 1910.1200 (i)(1) (2) (3) (4)..

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Appearance and Odor: Smooth solid cylindrical shape, off white, with a waxy odor.

WARNING STATEMENTS

WARNING!
CAUSES EYE IRRITATION
MAY CAUSE SKIN & RESPIRATORY TRACT IRRITATION

POTENTIAL HEALTH EFFECTS

Likely Routes of Exposure: Eye and Skin contact

EYE CONTACT: Causes eye irritation.

SKIN CONTACT: May cause skin irritation.

Perimeter Solutions Material Safety Data Sheet

Material: Material: PHOS-CHEK® SOLID CLASS A FOAM STICK

Reference No.: AST10163

Page 2 of 5

June 7, 2011

INHALATION: May be a mechanical irritant, may cause respiratory tract irritation.

INGESTION: Large doses may cause gastro-intestinal upset.

Refer to Section 11 for toxicological information.

4. FIRST AID MEASURES

IF IN EYES, immediately flush with plenty of water for at least 15 minutes. If easy to do, remove any contact lenses. Get medical attention. Remove material from skin, eyes and clothing.

IF ON SKIN, immediately flush with plenty of water. Remove contaminated clothing. Get medical attention if irritation persists. Wash clothing before reuse.

IF INHALED, remove to fresh air. Immediate first aid is not likely to be required, if breathing. If breathing is difficult give oxygen. If not breathing, give artificial respiration. Get medical attention.

IF SWALLOWED in large amounts, give water to drink. Contact a physician or Poison Control Center for advice.

5. FIRE FIGHTING MEASURES

FLASH POINT: undetermined

EXTINGUISHING MEDIA: water spray, dry chemical, alcohol foam, or carbon dioxide.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known

6. ACCIDENTAL RELEASE MEASURES

In case of spill, sweep, scoop or vacuum and remove. Flush residual spill area with water.

Refer to Section 13 for disposal information and Sections 14 and 15 for reportable quantity information.

7. HANDLING AND STORAGE

HANDLING

Avoid contact with eyes, skin and clothing.

Avoid breathing dust.

Keep container closed.

Use with adequate ventilation.

Wash thoroughly after handling.

STORAGE

Emptied container retains product residue. Observe all labeled safeguards until container is cleaned, reconditioned or destroyed. The reuse of this material's container for non-industrial purposes is prohibited and any reuse must be in consideration of the data provided in the MSDS.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE PROTECTION: Wear appropriate protective chemical safety goggles as described in U.S. OSHA 29 CFR 1910.133 or European Standard EN 166.

SKIN PROTECTION: Wear appropriate protective clothing and chemical resistant gloves to prevent skin contact. Consult glove manufacturer to determine appropriate type glove for given application. Launder contaminated clothing and clean protective equipment before reuse.

Perimeter Solutions Material Safety Data Sheet

Material: Material: PHOS-CHEK® SOLID CLASS A FOAM STICK

Page 3 of 5

Reference No.: AST10163

June 7, 2011

RESPIRATORY PROTECTION: Use NIOSH/MSHA approved respiratory protection equipment when airborne exposure limits are exceeded. Consult respirator manufacturer to determine appropriate type equipment for given application. Observe respirator use limitations specified by NIOSH/MSHA or the manufacturer. Respiratory protection programs must comply with 29 CFR 1910.134.

VENTILATION: Provide natural or mechanical ventilation to control exposure levels below airborne exposure limits (see below). If practical, use local mechanical exhaust ventilation at sources of air contamination such as open process equipment. Consult NFPA Standard 91 for design of exhaust systems.

EXPOSURE LIMITS:

OSHA and ACGIH have not established specific exposure limits for this material.

The following component has an exposure limit:

<u>Component</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
2,4-pentandiol, 2-methyl-	25 ppm ceiling	25 ppm ceiling

This ingredient is 1%-3% by weight of the foam stick formulation.

Components referred to herein may be regulated by specific Canadian provincial legislation. Please refer to exposure limits legislated for the province in which the substance will be used.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Smooth solid cylindrical shape, off white, with a waxy odor.

NOTE: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specifications for the product.

10. STABILITY AND REACTIVITY

STABILITY: Product is stable under normal conditions of storage and handling.

MATERIALS TO AVOID: Incompatible with polymerization catalysts (peroxides, persulfates) and accelerators, strong oxidizers, strong bases, and strong acids.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide may form when heated to decomposition.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

Perimeter Solutions has not conducted toxicity studies with this material and no data was found in a reasonably extensive search of the literature.

COMPONENTS

Data from Perimeter Solutions studies and/or the available scientific literature on the components of this material which have been identified as hazardous chemicals under the criteria of the OSHA Hazard Communication Standard (29 CFR 1910.1200) are discussed below:

2,4-pentandiol, 2-methyl-

2,4-pentandiol, 2-methyl- is an eye irritant; contact with liquid or mists may cause damage to the eyes which are reported to heal slowly. If ingested and absorbed, central nervous system (CNS) depression may occur as evidenced by giddiness, headache, and dizziness progressing to unconsciousness and death. Organ

Perimeter Solutions Material Safety Data Sheet

Material: Material: PHOS-CHEK® SOLID CLASS A FOAM STICK

Page 4 of 5

Reference No.: AST10163

June 7, 2011

weight changes and effects on liver and kidney tissues have been reported in rodents in repeat dosing studies. No effects were seen on fertility of male rats following repeat oral dosing.

This ingredient is 1%-3% by weight of the foam stick formulation. If foam stick ingestion occurs or is absorbed, significant adverse health effects are not expected to develop.

12. ECOLOGICAL INFORMATION

Environmental toxicity

Perimeter Solutions has not conducted environmental toxicity or biodegradation studies with this product. This product is expected to be harmful to aquatic organisms based on component data.

Environmental Fate

Perimeter Solutions has not conducted environmental toxicity or biodegradation studies with this product.

13. DISPOSAL CONSIDERATIONS

This material when discarded is not a hazardous waste as that term is defined by the Resource, Conservation and Recovery Act (RCRA), 40 CFR 261. Dispose of by incineration or recycle in accordance with local, state and federal regulations. Consult your attorney or appropriate regulatory officials for information on such disposal.

14. TRANSPORT INFORMATION

The data provided in this section is for information only. Please apply the appropriate regulations to properly classify your shipment for transportation.

Road/Rail, Sea and Air

IMDG/UN: * UN3077, Environmentally Hazardous Substance, solid, n.o.s. (alkylbenzene sulfonate), 9, UN3077, PGIII, Marine Pollutant

ICAO/IATA passenger aircraft	not hazardous for transportation
RID/ADR	not hazardous for transportation
Canadian TDG	not hazardous for transportation
US DOT	not hazardous for transportation

This product is a mixture containing a component listed as a DOT marine pollutant that is packaged in a concentration which exceeds 10% by weight of the mixture for the component listed in the appendix;

49 CFR 171.4 (c) : Non bulk packages of products containing marine pollutants when transported by motor vehicle, rail, or air are not regulated; they are regulated for transportation when all or part of the transportation is by vessel.

15. REGULATORY INFORMATION

TSCA Inventory:	Listed
DSL Inventory:	Listed

WHMIS Classification: D2(B) - Materials Causing Other Toxic Effects

SARA Hazard Notification

Hazard Categories Under Title III Rules (40 CFR 370): Immediate
Section 302 Extremely Hazardous Substances: Not Applicable
Section 313 Toxic Chemical(s): Not Applicable

Perimeter Solutions Material Safety Data Sheet

Material: Material: PHOS-CHEK® SOLID CLASS A FOAM STICK

Page 5 of 5

Reference No.: AST10163

June 7, 2011

CERCLA Reportable Quantity: Not applicable

California Proposition 65: Not applicable

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

Refer to Section 11 for OSHA/HPA Hazardous Chemical(s) and Section 13 for RCRA classification.

16. OTHER INFORMATION

	Health	Fire	Reactivity	Additional Information
Suggested NFPA Rating	2	1	1	
Suggested HMIS Rating	2	1	1	H

Reason for revision: Product name change

Supersedes MSDS dated: June 2, 2011

Product Use: Fire Suppressant

PHOS-CHEK® is a registered trademark of Perimeter Solutions.

Responsible Care ® is a registered trademark of the American Chemistry Council.

Although the information and recommendations set forth herein (hereinafter "Information") are presented in good faith and believed to be correct as of the date hereof, Perimeter Solutions makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will Perimeter Solutions be responsible for damages of any nature whatsoever resulting from the use of or reliance upon information. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS