



Checkerspot®

Safety Data Sheet Algal PU Foam: Algal Polyol

SECTION 1: Identification

1.1 GHS Product identifier

Product name Algal PU Foam: Algal Polyol
Product codes: 1070-1 1070-94

1.2 Other means of identification

Algal Polyol Blend

1.3 Recommended use of the chemical and restrictions on use

Recommended use: Research purposes only.

Restrictions on use: The product must not be used in applications other than those identified above, without first seeking advice of the supplier.

1.4 Supplier's details

Name Checkerspot, Inc.
Address 1250 Marina Village Pkwy
Alameda CA 94501
USA

Telephone (510) 842-0557
email EHS@checkerspot.com

1.5 Emergency phone number

CHEMTREC (USA) 1-800-424-9300
CHEMTREC (International) +1-703-527-3887

SECTION 2: Hazard identification

General hazard statement

The toxicological properties of this substance have not been fully investigated.

2.1 Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200)

- Skin corrosion/irritation, Cat. 2
- Eye damage/irritation, Cat. 2A

2.2 GHS label elements, including precautionary statements

Safety Data Sheet

Algal PU Foam: Algal Polyol

Pictograms



Signal word

Warning

Hazard statement(s)

H315
H319

Causes skin irritation
Causes serious eye irritation

Precautionary statement(s)

P264+P265
P280
P302+P352
P321
P332+P317
P305+P351+P338
P337+P317

Wash hands and skin thoroughly after handling. Do not touch eyes.
Wear protective gloves.
IF ON SKIN: Wash with plenty of soap and water.
Specific treatment (see sections 4 to 8 on this SDS).
If skin irritation occurs: Get emergency medical help.
IF IN EYES: Wash with plenty of soap and water.
If eye irritation persists: Get emergency medical help.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

1. Algal Oil Polyol

Concentration 60 - 99 % (weight)

2. Other Proprietary Ingredients

Concentration 1 - 38 % (weight)

3. Proprietary Catalyst

Concentration < 2 % (weight)

Trade secret statement (OSHA 1910.1200(i))

The specific chemical identity and/or exact percentage (concentration) of composition for certain ingredients has been withheld as a trade secret.

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice Have a product container or label with you when calling a poison control center or doctor.

If inhaled Remove to fresh air. If breathing is difficult, get medical attention.

Safety Data Sheet

Algal PU Foam: Algal Polyol

In case of skin contact	Remove contaminated clothing. Rinse skin with soap and water.
In case of eye contact	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.
If swallowed	Wash out mouth with water. Move exposed person to fresh air. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. Never give anything by mouth to an unconscious person.

4.2 Most important symptoms/effects, acute and delayed

No additional information available.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

NOTE TO PHYSICIAN: No specific antidote, treat symptomatically.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

SMALL FIRE: Use DRY chemical powder.

LARGE FIRE: Use water spray, fog or foam.

5.2 Specific hazards arising from the chemical

Combustion products may include carbon and nitrogen oxides.

5.3 Special protective actions for fire-fighters

Evacuate area and fight fire upwind from a safe distance. Dike and collect water used to fight fire to prevent environmental damage due to run off. Foam or dry chemical fire extinguishing systems are preferred to prevent environmental damage from excessive water runoff. Minimize use of water to prevent environmental contamination.

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. PVC boots, gloves, safety helmet and protective clothing should be worn.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

IN CASE OF SPILLS OR LEAKS: Clean up spills immediately, observing precautions in Section 8 of this document. Isolate hazard area. If spilled, may cause the floor to be slippery. Keep unnecessary and unprotected personnel from entering.

6.2 Environmental precautions

This material should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water. Minimize use of water to prevent environmental contamination.

6.3 Methods and materials for containment and cleaning up

SMALL SPILL: Use appropriate tools to put the spilled material in a convenient waste disposal container. Wash the spill site with water and dispose of according to federal, state, local and regional authority requirements.

Safety Data Sheet

Algal PU Foam: Algal Polyol

LARGE SPILL: Soak up using an inert absorbent material and collect in a suitable waste disposal container. Wash the spill site with water and dispose of according to federal, state, local and regional authority requirements.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Wear proper safety equipment specified in Section 8 when mixing, loading or otherwise handling concentrate. Remove PPE and wash hands after handling this product. Smoking, eating and drinking should be prohibited in the application area.

7.2 Conditions for safe storage, including any incompatibilities

Keep container in a cool, well-ventilated area. Keep container closed. Keep away from food, drink, and animal feed.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Proprietary Catalyst

TWA (Dermal): 0.05 ppm; USA (ACGIH)

STEL (Dermal): 0.15 ppm; USA (ACGIH)

8.2 Appropriate engineering controls

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Pictograms



Eye/face protection

Chemical safety goggles or glasses with side shields.

Skin protection

CLOTHING - Long-sleeved shirt and long pants, chemical-resistant footwear, plus socks.

GLOVES - The following protective materials are recommended: chemical-resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyvinyl chloride (PVC), viton.

Respiratory protection

Not required when handled under normal conditions.

SECTION 9: Physical and chemical properties

Basic physical and chemical properties

Physical state

Liquid

Safety Data Sheet

Algal PU Foam: Algal Polyol

Appearance	Slight tan opaque liquid
Color	Off white
Odor	Characteristic
Odor threshold	No data available
Melting point/freezing point	No data available
Boiling point	No data available
Flammability	Not flammable
Lower and upper explosion limit/flammability limit	Not applicable
Flash point	>300 °F / 150 °C
Auto-ignition temperature	No data available
Decomposition temperature	No data available
pH	No data available
Kinematic viscosity	No data available
Solubility	No data available
Partition coefficient n-octanol/water (log value)	No data available
Vapor pressure	No data available
Evaporation rate	No data available
Density and/or relative density	No data available
Relative vapor density	No data available

Particle characteristics

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

This product is stable when stored at normal ambient temperatures. May decompose if heated to high temperatures.

10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid

Avoid temperatures above 300 °F (150 °C) for prolonged period of time.

10.5 Incompatible materials

No additional information available.

10.6 Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Proprietary Catalyst:

LD50 Oral (Rat) - 1,070 mg/kg

Safety Data Sheet

Algal PU Foam: Algal Polyol

LD50 Dermal (Rabbit) - 238 mg/kg
LC50 Inhalation (Rat) - 117 ppm

Skin corrosion/irritation
May cause skin irritation.

Serious eye damage/irritation
May cause eye irritation.

Respiratory or skin sensitization
No data available.

Germ cell mutagenicity
No data available.

Carcinogenicity
No data available.

Reproductive toxicity
No data available.

Specific target organ toxicity (STOT) - single exposure
No data available.

Specific target organ toxicity (STOT) - repeated exposure
No data available.

Aspiration hazard
No data available.

SECTION 12: Ecological information

Toxicity
No data available.

Persistence and degradability
No data available.

Bioaccumulative potential
No data available.

Mobility in soil
No data available.

SECTION 13: Disposal considerations

Disposal methods

Product disposal

This product, solutions and any by-products must be disposed of in accordance with federal, state and local environmental control regulations. Do not contaminate water, food or feed by storage or disposal.

Safety Data Sheet

Algal PU Foam: Algal Polyol

Packaging disposal

This material and its container must be disposed of in a safe way via a licensed waste disposal contractor. Empty containers or liners may retain some product residues. Do not reuse containers.

Waste treatment

The generation of waste should be avoided or minimized wherever possible.

Sewage disposal

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Other disposal recommendations

No additional information available.

SECTION 14: Transport information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

Toxic Substances Control Act (TSCA) Inventory

Not listed. TSCA Research and Development Use Only for industrial uses. TSCA-exempt for food contact and cosmetic use.

Canadian Domestic Substances List (DSL)

Not all ingredients listed.

SARA 311/312 Hazards

Refer to hazard classification information in Section 2.

SARA 313 Components

Not listed.

Massachusetts Right To Know Components

Not listed.

New Jersey Right To Know Components

Contains listed components. Contact Checkerspot for more information.

Pennsylvania Right To Know Components

Contains listed components. Contact Checkerspot for more information.

Safety Data Sheet

Algal PU Foam: Algal Polyol

California Prop. 65 Components

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16: Other information

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16.1 Further information/disclaimer

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Checkerspot, Inc. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Checkerspot, Inc. has been advised of the possibility of such damages.

16.2 Preparation information

Abbreviations and acronyms

ACGIH: American Conference of Governmental Industrial Hygienists

CAS no.: Chemical Abstracts Service Number

Cat.: Category

CFR: Code of Federal Regulations

DOT: Department of Transportation

GHS: Globally Harmonized System

IATA: International Air Transport Association

IMDG: International Maritime Dangerous Goods Code

LC50: Lethal Concentration 50%

LD50: Lethal Dose 50%

OSHA: Occupational Safety and Health Administration

PPE: Personal Protective Equipment

SARA: Superfund Amendments and Reauthorization Act

STEL: Short Term Exposure Limit

TWA: Total Weight Average