

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifiers

Product Name : DEFOAMER 560
Brand : Performance Chemicals LLC

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified Uses : Non-Silicone Leachate Antifoam

1.3 Details of the supplier of the safety data sheet (SDS)

Company : Performance Chemicals LLC.
40 Industrial Park Drive
Franklin, NH 03235
USA
Telephone : +1 603-228-1200
Fax : +1 603-228-1295

1.4 Emergency telephone number

Emergency Phone # : +1 603-228-1200

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

This material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

2.2 GHS Label elements, including precautionary statements

Pictogram
Signal word
Hazard statement(s)
Precautionary Statement(s)

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

May cause slight irritation to eyes. May cause slight irritation to the skin. Handle in accordance with good industrial hygiene and safety procedures.

SECTION 3: Composition/information on ingredients

3.1 Substance/Mixture : Mixture

Component*	CAS Number	Concentration
Proprietary non-ionic surfactant	trade secret	<= 70.0 %

*The exact chemical identity and/or concentration (percentage) has been withheld as a trade secret.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice

If potential for exposure exists refer to Section 8 for specific personal protective equipment. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

If inhaled

Move person to fresh air; if effects occur, consult a physician.

In case of skin contact

Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.

In case of eye contact

Flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. If effects occur, consult a physician, preferably an ophthalmologist.

If swallowed

Rinse mouth. Do NOT induce vomiting. Seek medical attention if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed.

Not expected to present a significant hazard under anticipated conditions of normal use. Aside from the information found under Description of first aid measures (above) and Indication of immediate medical attention and special treatment needed (below), any additional important symptoms and effects are described in Section 11: Toxicology Information.

4.3 Indication of any immediate medical attention and special treatment needed.

Notes to physician: No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Water spray, Alcohol-resistant foam, Carbon dioxide (CO₂), Dry chemical.

Unsuitable extinguishing media: Do not use heavy water stream.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Smoke. Carbon oxides.

Unusual Fire and Explosion Hazards:

Exposure to combustion products may be a hazard to health.

5.3 Advice for firefighters

Fire Fighting Procedures:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area.

Special protective equipment for firefighters:

Wear self-contained breathing apparatus for firefighting if necessary. Use personal protective equipment.

5.4 Further information

No data available.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Prevent further leakage or spillage if safe to do so. Follow safe handling advice and personal protective equipment recommendations.

6.2 Environmental precautions

Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area (e.g. by containment or oil barriers). Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.

6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable. For large spills, provide dyking or other appropriate containment to keep material from spreading. If dyked material can be pumped, Clean up remaining materials from spill with suitable absorbent. Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

6.4 Special considerations

Local authorities should be advised if significant spillages cannot be contained.

6.5 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Take care to prevent spills, waste and minimize release to the environment. Handle in accordance with good industrial hygiene and safety practice. Use only with adequate ventilation. See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.

7.2 Conditions for safe storage, including any incompatibilities

Keep in properly labelled containers. Store in accordance with the particular national regulations.

Do not store with the following product types: Strong oxidizing agents. Strong bases.

Do not store with the following incompatible materials: Ignition sources. Direct sunlight.

Storage temperature: 5 - 35 °C (41 - 95 °F)

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

General:

Avoid all unnecessary exposure. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Engineering controls:

Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations. Local exhaust ventilation may be necessary for some operations.



Personal protective equipment

Eye/face protections

Use safety glasses (with side shields).

Skin protection

Use gloves chemically resistant to this material when prolonged or frequently repeated contact could occur. Examples of preferred glove barrier materials include: Butyl rubber. Neoprene. Nitrile/butadiene rubber ("nitrile" or "NBR"). Ethyl vinyl alcohol laminate ("EVAL"). Polyvinyl alcohol ("PVA"). Polyvinyl chloride ("PVC" or "vinyl"). Viton. Examples of acceptable glove barrier materials include: Natural rubber ("latex"). NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.

Body protection

Wear clean, body-covering clothing. A complete suit protecting against chemicals may be required in some specific applications. This type of protection should be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced, or where indicated by your risk assessment process. For most conditions, no respiratory protection should be needed; however, if material is heated or sprayed, use an approved air-purifying respirator.

The following should be effective types of air-purifying respirators: Organic vapor cartridge with a particulate pre-filter.

Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

a -	Appearance	Form: clear to yellow liquid
b -	Odor	characteristic
c -	pH	6.5 - 8.5
d -	Melting point/range	No data available
e -	Freezing point	No data available
f -	Boiling point (760 mmHg)	> 150°C (> 212 °F)
g -	Flash point	> 94°C (> 201 °F)

h -	Evaporation rate	No data available
i -	Flammability (solid, gas)	Not applicable
j -	Lower explosion limit	No data available
k -	Upper explosion limit	No data available
l -	Vapor Pressure	No data available
m -	Relative Density (water =1)	0.95 ± 0.01
n -	Water solubility (@ 20°C)	No data available
o -	Auto-ignition temperature	No data available
p -	Decomposition temperature	No data available
q -	Kinematic Viscosity	500 cSt @ 25°C (77 °F)
r -	Explosive properties	Not expected to be an explosive hazards under normal conditions of use.
s -	Oxidizing properties	No data available
t -	Weight per gallon	7.92 ± 0.08 LBS/GALLON

9.2 Other safety information

NOTE: The physical data presented above are typical values and should not be construed as a specification.

SECTION 10: Stability and reactivity

10.1 Reactivity

Not classified as a reactivity hazard.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Will not occur

10.4 Conditions to avoid

Direct sunlight. Extreme high or low temperatures.

10.5 Incompatible materials

Strong oxidizing agents, Acids

10.6 Hazardous decomposition products

Hazardous decomposition products - oxides of carbon, fumes.

In the event of fire: see section 5

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Not classified

Skin corrosion/irritation

Not classified (pH = 6.5 - 8.5)

Serious eye damage/eye irritation

Not classified (pH = 6.5 - 8.5)

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

Additional Information

No data available

SECTION 12: Ecological information

12.1 Toxicity

48 Hour EC50 (Daphnia) 14.12 mg/L OECD Test Guidance 202

12.2 Persistence and degradability

Readily Biodegradable 301D, 28 Days

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Other adverse effect

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Dispose in a safe manner in accordance with local/national regulations. Avoid release to the environment.

Treatment and disposal methods of used packaging:

Empty containers should be recycled or otherwise disposed of by an approved waste management facility. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. Do not re-use containers for any purpose.

SECTION 14: Transport information

14.1 This product is not a DOT hazardous material and is therefore not regulated.

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

14.2 Special precautions for user

No data available

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Sections 311 and 312

No SARA Hazards

Superfund Amendments and Reauthorization Act of 1986 Title III (Emergency Planning and Community Right-to-Know Act of 1986) Section 313

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) Section 103

This material does not contain any components with a CERCLA RQ.

State's Right To Know*

The following chemicals are listed because of the additional State's Right To Known requirements:

Components

Ethylene oxide (CAS 75-21-8) (trace amounts, if any)

1,4-Dioxane (CAS 123-91-1) (trace amounts, if any)

*This is not an exhaustive list. For information on listings in other states, please consult that state's RTK/HSL.

California Proposition 65

WARNING: This product may contain a chemical known to the State of California to cause cancer.

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Ethylene oxide (CAS 75-21-8) (trace amounts, if any)

1,4-Dioxane (CAS 123-91-1) (trace amounts, if any)

United States TSCA Inventory (TSCA)

All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

SECTION 16: Other information

16.1 Full text of H-Statements referred to under sections 2 and 3.

Hazard Rating System

HMIS

Health	1
Flammability	1
Physical Hazard	0

16.2 Revisions

Date Written : 8/26/2019

Revision Date: 1/25/2021

Reason for Revision : Updates to specific gravity of the product, weight per gallon.

Further information

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The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Performance Chemicals LLC and its' Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.perfchem.us and/or the invoice or packing slip for additional terms and conditions of sale.