



Bug Off

Safety Data Sheet

According to 29CFR 1910.1200 OSHA Hazard Communication Standard (HCS 2024) and the Hazardous Products Regulation (WHMIS 2015 rev 2022)
Issue date: 11/14/2024 Revision date: 12/4/2025 Version: 2.0

SECTION 1 Identification

1.1. Product identifier

Product form : Mixture
Trade name : Bug Off
Product code : F3055, F3030, F3005, F3001

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Automotive Care Products, Cleaner
Restrictions on use : None known

1.4. Supplier's details

P&S Sales, Inc.
20943 Cabot Blvd.
Hayward, CA 94545
T 510-732-2628
dave@pssales.com

1.5. Emergency phone number

Emergency number : 1-800-255-3924

SECTION 2 Hazard Identification

2.1. Classification of the substance or mixture

GHS US classification

Corrosive to metals, Category 1	H290	May be corrosive to metals.
Skin corrosion/irritation, Category 1	H314	Causes severe skin burns and eye damage.
Serious eye damage/eye irritation, Category 1	H318	Causes serious eye damage.
Hazardous to the aquatic environment — Acute Hazard, Category 3	H402	Harmful to aquatic life.

Full text of H statements : see section 16

2.2. Label elements

GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Danger
Hazard statements (GHS US) : H290 - May be corrosive to metals
H314 - Causes severe skin burns and eye damage
H402 - Harmful to aquatic life
Precautionary statements (GHS US) : P234 - Keep only in original packaging.
P260 - Do not breathe mist.
P264 - Wash hands thoroughly after handling.
P273 - Avoid release to the environment.
P280 - Wear eye protection, face protection, protective clothing, protective gloves.

Bug Off

Safety Data Sheet

According to 29CFR 1910.1200 OSHA Hazard Communication Standard (HCS 2024) and the Hazardous Products Regulation (WHMIS 2015 rev 2022)

P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting.
P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P363 - Take off immediately all contaminated clothing and wash it before reuse.
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a POISON CENTER or doctor/physician.
P390 - Absorb spillage to prevent material-damage.
P405 - Store locked up.
P406 - Store in a corrosion resistant container with a resistant inner liner.
P501 - Dispose of to an approved waste disposal plant to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

2.4. Hazards not otherwise classified

Other hazards which do not result in classification : None known.

2.5. Unknown acute toxicity

No additional information available

SECTION 3 Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
Alcohols, C6-12, ethoxylated	CAS-No.: 68439-45-2	1 – 5
Sodium Metasilicate Pentahydrate	CAS-No.: 10213-79-3	1 – 5
C9-11 Ethoxylated Alcohol	CAS-No.: 68439-46-3	1 – 5

Comments : *Chemical name, CAS number and/or exact concentration have been withheld as a trade secret
Full text of hazard classes and H-statements : see section 16

SECTION 4 First aid measures

4.1. Description of necessary first-aid measures

First-aid measures general : Call a poison center or a doctor if you feel unwell.
First-aid measures after inhalation : Move the affected person to fresh air. Get medical attention if symptoms occur.
First-aid measures after skin contact : Immediately flush skin with plenty of water for at least 15 minutes. Take off contaminated clothing. Get immediate medical advice/attention. Wash contaminated clothing before reuse.
First-aid measures after eye contact : Immediately flush eyes thoroughly with water for at least 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.
First-aid measures after ingestion : Do NOT induce vomiting. Rinse mouth. Immediately call a poison center or doctor/physician.

4.2. Most important symptoms/effects, acute and delayed

Inhalation : Inhalation of airborne droplets or aerosols may cause irritation of the respiratory tract.

Bug Off

Safety Data Sheet

According to 29CFR 1910.1200 OSHA Hazard Communication Standard (HCS 2024) and the Hazardous Products Regulation (WHMIS 2015 rev 2022)

Skin	: Causes skin irritation. May cause burns.
Eyes	: Causes serious eye damage. Permanent eye damage is possible.
Ingestion	: Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Chronic symptoms	: None known.

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

Other medical advice or treatment	: Obtain emergency medical attention. Immediate medical attention is required for eye contact.
-----------------------------------	--

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media	: None.

5.2. Specific hazards arising from the chemical

Fire hazard	: This product is not classified as flammable or combustible.
Hazardous decomposition products in case of fire	: Toxic fumes may be released. Carbon oxides (CO, CO ₂). Phosphorus oxides.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions	: Cool down the containers exposed to heat with a water spray.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment.

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Wear suitable protective clothing. Do not get in eyes, on skin, or on clothing.
------------------	---

For non-emergency personnel

Emergency procedures	: Do not get in eyes, on skin, or on clothing. Avoid breathing mist, Spray. Keep unnecessary and unprotected personnel away from the spillage.
----------------------	--

For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
----------------------	---

Environmental precautions	: Avoid release to the environment.
---------------------------	-------------------------------------

6.2. Methods and materials for containment and cleaning up

For containment	: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for cleaning up	: Take up liquid spill into absorbent material.
Other information	: Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

Refer to protective measures listed in Sections 7 and 8.

Bug Off

Safety Data Sheet

According to 29CFR 1910.1200 OSHA Hazard Communication Standard (HCS 2024) and the Hazardous Products Regulation (WHMIS 2015 rev 2022)

SECTION 7 Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Do not get in eyes, on skin, or on clothing. Avoid breathing Spray, mist. Wear personal protective equipment. Wash contaminated clothing before reuse. Wash hands with water and soap. Ensure adequate ventilation.
Hygiene measures	: Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including incompatibilities

Storage conditions	: Store at room temperature.
Incompatible materials	: Strong acids.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls	: Ensure good ventilation of the work station.
Environmental exposure controls	: Avoid release to the environment.

8.3. Individual protection measures, such as personal protective equipment

Hand protection:
Wear impervious gloves. Consult glove manufacturer's product information on material suitability and material thickness.
Eye protection:
Chemical goggles
Skin and body protection:
Wear suitable protective clothing
Respiratory protection:
In operations where exposure limits are exceeded or exposure levels are excessive, an approved respirator should be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear. Liquid.
Color	: Blue
Odor	: Mild odor
Odor threshold	: No data available
pH	: 12.4
Melting point	: 0 °C (32°F)
Freezing point	: No data available
Boiling point	: No data available
Flash point	: Not flammable
Flammability (solid, gas)	: Not applicable.

Bug Off

Safety Data Sheet

According to 29CFR 1910.1200 OSHA Hazard Communication Standard (HCS 2024) and the Hazardous Products Regulation (WHMIS 2015 rev 2022)

Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: 1.03
Solubility	: Soluble in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Explosion limits	: No data available
Explosive properties	: None.
Oxidizing properties	: None.
Particle characteristics	: Not applicable

9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

SECTION 10 Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Strong oxidizers. Strong acids.

10.6. Hazardous decomposition products

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

SECTION 11 Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Sodium Metasilicate Pentahydrate (10213-79-3)

LD50 oral rat	1152 – 1349 mg/kg
LD50 dermal rat	> 5000 mg/kg
LC50 Inhalation - Rat (Vapors)	> 2.06 mg/l/4h

C9-11 Ethoxylated Alcohol (68439-46-3)

LD50 dermal rat	> 2000 mg/kg body weight
-----------------	--------------------------

Bug Off

Safety Data Sheet

According to 29CFR 1910.1200 OSHA Hazard Communication Standard (HCS 2024) and the Hazardous Products Regulation (WHMIS 2015 rev 2022)

C9-11 Ethoxylated Alcohol (68439-46-3)	
LC50 Inhalation - Rat	> 1.6 mg/l/4h

Skin corrosion/irritation	: Causes severe skin burns. pH: 12.4
Serious eye damage/irritation	: Causes serious eye damage. pH: 12.4
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified

C9-11 Ethoxylated Alcohol (68439-46-3)	
NOAEL (oral,rat,90 days)	≥ 500 mg/kg body weight (OECD 408 method)

Aspiration hazard	: Not classified
Inhalation	: Inhalation of airborne droplets or aerosols may cause irritation of the respiratory tract.
Skin	: Causes skin irritation. May cause burns.
Eyes	: Causes serious eye damage. Permanent eye damage is possible.
Ingestion	: Burns or irritation of the linings of the mouth, throat, and gastrointestinal tract. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Chronic symptoms	: None known.

SECTION 12 Ecological information

12.1. Ecotoxicity

Ecology - general	: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life.
Hazardous to the aquatic environment, short-term (acute)	: Harmful to aquatic life.
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

Sodium Metasilicate Pentahydrate (10213-79-3)	
LC50 - Fish [1]	210 mg/l Brachydanio rerio (zebra-fish)
EC50 - Crustacea [1]	1700 mg/l Daphnia magna (Water flea)
ErC50 algae	> 345.4 mg/l Scenedesmus subspicatus

C9-11 Ethoxylated Alcohol (68439-46-3)	
LC50 - Fish [1]	5 – 7 mg/l Oncorhynchus mykiss (Rainbow trout)
EC50 - Crustacea [1]	2.5 mg/l Daphnia magna (Water flea)
EC50 96h - Algae [1]	1.4 mg/l Pseudokirchneriella subcapitata

12.2. Persistence and degradability

Bug Off	
Persistence and degradability	No additional information available.

Sodium Metasilicate Pentahydrate (10213-79-3)	
Persistence and degradability	Biodegradation is not applicable to inorganic compounds.

Bug Off

Safety Data Sheet

According to 29CFR 1910.1200 OSHA Hazard Communication Standard (HCS 2024) and the Hazardous Products Regulation (WHMIS 2015 rev 2022)

Alcohols, C6-12, ethoxylated (68439-45-2)	
Persistence and degradability	Rapidly degradable
C9-11 Ethoxylated Alcohol (68439-46-3)	
Persistence and degradability	Readily biodegradable.

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Ozone : Not classified
Fluorinated greenhouse gases : No

SECTION 13 Disposal considerations

Regional waste regulation : Dispose of in accordance with applicable federal, state, and local regulations.
Waste treatment methods : Dispose in a safe manner in accordance with local/national regulations.

SECTION 14 Transport information

In accordance with DOT / IMDG / IATA

DOT	IMDG	IATA
14.1. UN number		
Not regulated for transport		
14.2. Proper Shipping Name		
Not regulated	Not regulated	Not regulated
14.3. Transport hazard class(es)		
Not regulated	Not regulated	Not regulated
14.4. Packing group		
Not regulated	Not regulated	Not regulated
14.5. Environmental hazards		
Not regulated	Not regulated	Not regulated

14.6. Transport in bulk

Not applicable

14.7. Special precautions for user

DOT
Not regulated

IMDG
Not regulated

IATA
Not regulated

Bug Off

Safety Data Sheet

According to 29CFR 1910.1200 OSHA Hazard Communication Standard (HCS 2024) and the Hazardous Products Regulation (WHMIS 2015 rev 2022)

SECTION 15 Regulatory information

15.1. Federal regulations

Bug Off	
SARA Section 311/312 Hazard Classes	Refer to Section 2 for OSHA Hazard Classification.

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

This product or mixture is not known to 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.

15.2. International regulations

CANADA

Alcohols, C6-12, ethoxylated (68439-45-2)
Listed on the Canadian DSL (Domestic Substances List)

C9-11 Ethoxylated Alcohol (68439-46-3)
Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

Sodium Metasilicate Pentahydrate (10213-79-3)
Listed on the Canadian DSL (Domestic Substances List)

Alcohols, C6-12, ethoxylated (68439-45-2)
Listed on INSQ (Mexican National Inventory of Chemical Substances)

C9-11 Ethoxylated Alcohol (68439-46-3)
Listed on INSQ (Mexican National Inventory of Chemical Substances)

15.3. State regulations

**WARNING:**

This product can expose you to chemicals including Ethylene oxide, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

SECTION 16 Other information

According to 29CFR 1910.1200 OSHA Hazard Communication Standard (HCS 2024) and the Hazardous Products Regulation (WHMIS 2015 rev 2022)

Revision date : 12/4/2025

Issue date : 11/14/2024

Full text of hazard classes and H-statements	
H290	May be corrosive to metals

Bug Off

Safety Data Sheet

According to 29CFR 1910.1200 OSHA Hazard Communication Standard (HCS 2024) and the Hazardous Products Regulation (WHMIS 2015 rev 2022)

Full text of hazard classes and H-statements	
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H402	Harmful to aquatic life

Indication of changes:
Transport information.

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.