GAP PROFESSIONAL PRODUCTS

Safety Data Sheet
Foam X

SECTION 1: Identification

1.1 GHS Product identifier

Product name	Foam X
Product number	7794

1.3 Recommended use of the chemical and restrictions on use
automotive wash with ceramic additive

1.4 Supplier's details

Name	GAP Professional Products
Address	122 Route 105 Keswick Ridge NB E6L 1B1 Canada
Telephone	(506) 363-9708
Fax	(506) 363-4241
email	info@gapauto.com

1.5 Emergency phone number

For Medical or Transport Emergencies / Pour les urgences médicales ou de transport
CANUTEC (24 Hours)
(613) 996-6666

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

GHS classification in accordance with: WHMIS 2015

- Serious eye damage/eye irritation, Cat. 2A
- Toxic to reproduction, Cat. 2

2.2 GHS label elements, including precautionary statements

Pictograms

1. Exclamation mark; 2. Health hazard

Signal word	**Warning**
Hazard statement(s)	
H319	Causes serious eye irritation
H361	Suspected of damaging fertility or the unborn child [effect, route]
Precautionary statement(s)	
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P264	Wash … thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P405	Store locked up.
P501	Dispose of contents/container to …

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

Component	Concentration
Alcohols, C9-11, ethoxylated (CAS no.: 68439-46-3; EC no.: 614-482-0)	**15 - 25 % (weight)**
CLASSIFICATIONS: Acute toxicity, oral, Cat. 4; Eye damage/irritation, Cat. 1. HAZARDS: H302 - Harmful if swallowed; H318 - Causes serious eye damage.	
Siloxanes and Silicones, 3-[(2-aminoethyl)amino]propyl Me, di-Me (CAS no.: 71750-79-3)	**5 - 10 % (weight)**
CLASSIFICATIONS: No data available. HAZARDS: No data available.	
Butoxyethanol (CAS no.: 111-76-2; EC no.: 203-905-0; Index no.: 603-014-00-0)	**< 1 % (weight)**
CLASSIFICATIONS: Flammable liquids, Cat. 4; Acute toxicity, dermal, Cat. 4; Acute toxicity, inhalation, Cat. 4; Acute toxicity, oral, Cat. 4; Skin corrosion/irritation, Cat. 2; Eye damage/irritation, Cat. 2. HAZARDS: H227 - Combustible liquid; H302 - Harmful if swallowed; H312 - Harmful in contact with skin; H315 - Causes skin irritation; H319 - Causes serious eye irritation; H332 - Harmful if inhaled. [SCLs/M-factors/ATEs]: Oral: ATE = 1200 mg/kg	

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Do not leave affected person unattended. Remove victim out of the danger area. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.
If inhaled	If affected, remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artifical respiration. Keep person warm, quiet, and get medical attention

In case of skin contact	Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.Continue rinsing eyes during transport to hospital.
If swallowed	DO NOT INDUCE VOMITING. Call physician immediately. If conscious give lots of water or milk. Do not give anything by mouth to an unconscious or convulsing person.

Personal protective equipment for first-aid responders

Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid contact with skin, eyes or clothing. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Wear personal protective clothing (see section 8).

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Regular foam, waterfog, carbon dioxide or dry chemical. Keep containers cool with water spray using fog nozzles.

5.2 Specific hazards arising from the chemical

Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by heat, pilot lights and other flames in locations distant from the material handling point.

Reaction mass of: 5-Chloro-2-methyl4- isothiazolin-3-one and 2-Methyl-2H-isothiazol-3-one (3:1) : Carbon oxide. Nitrogen oxides.

5.3 Special protective actions for fire-fighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

See Secrtion 8 for recommended personel protective equipment.

6.2 Environmental precautions

Should not be released into the environment.

6.3 Methods and materials for containment and cleaning up

Solvents

LARGE SPILLS: Dike far ahead of spill to prevent further movement. Soak up with inert absorbent material (e.g. sand, silica gel). Keep in suitable, closed containers for disposal.

SMALL SPILLS: Contain and absorb with absorbent material and place into containers for later disposal. Dispose of according to local, and Provincial regulations for products containing petroleum distillates.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Put on appropriate personal equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Keep in original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Keep away from acids. Empty containers retain product residue and can be hazardous. Do not reuse container. Wash thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials(see Section 10) and food and drink. Do not store under freezing conditions or above 49 C (120 F). Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Keep out of reach from children.

Specific end use(s)

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. Butoxyethanol (CAS: 111-76-2 EC: 203-905-0)

PEL [2-Butoxyethanol] (Inhalation): 20 ppm, 97 mg/m3
California permissible exposure limits for chemical contaminants
(Title 8, Article 107)/Skin

TWA [2-Butoxyethanol] (Inhalation): 50 ppm, 240 mg/m3; USA (OSHA)
USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air
Contaminants/Skin designation
The value in mg/m3 is approximate

TWA [2-Butoxyethanol] (Inhalation): 5 ppm, 24 mg/m3; USA (NIOSH)
USA. NIOSH Recommended Exposure Limits/Potential for dermal absorption

TWA [2-Butoxyethanol] (Inhalation): 20 ppm; USA (ACGIH)
USA. ACGIH Threshold Limit Values (TLV)/Upper Respiratory Tract irritation Eye irritation Substances for which there is a Biological Exposure Index or Indices (see BEI® section) Confirmed animal carcinogen with unknown relevance to humans

IOELV-LTEL [2-butoxyethanol] (Inhalation): 98 mg/m3; EU (EU/OSHA)
Skin designation: Yes. List no. 1 under Council Directive 98/24/EC as amended. List last updated on 8/29/2023.

IOELV-LTEL [2-butoxyethanol] (Inhalation): 20 ppm; EU (EU/OSHA)
Skin designation: Yes. List no. 1 under Council Directive 98/24/EC as amended. List last updated on 8/29/2023.

IOELV-STEL [2-butoxyethanol] (Inhalation): 246 mg/m3; EU (EU/OSHA)
Skin designation: Yes. List no. 1 under Council Directive 98/24/EC as amended. List last updated on 8/29/2023.

IOELV-STEL [2-butoxyethanol] (Inhalation): 50 ppm; EU (EU/OSHA)
Skin designation: Yes. List no. 1 under Council Directive 98/24/EC as amended. List last updated on 8/29/2023.

PEL [2-Butoxyethanol] (Inhalation): 50 ppm; US (US/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL [2-Butoxyethanol] (Inhalation): 240 mg/m3; US (US/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL [2-Butoxyethanol] (Inhalation): 20 ppm; US (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

REL [2-Butoxyethanol] (Inhalation): 5 ppm; US (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

8.2 Appropriate engineering controls

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

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

Eye/face protection

Splash goggles

Skin protection
Chemical resistant gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Wash and dry hands after use.

Body protection
Skin Protection: Protective gloves (for hands). Long sleeve shirts and pants should be worn to protect exposed skin.

Respiratory protection
Recommended: Dust mask or Respirator should be worn if product is used in confined space or used for a prolonged period of time.

SECTION 9: Physical and chemical properties

Appearance, such as physical state and colour	Green Liquid
Odour	Fruity
Odour threshold	
pH	5.5 – 6.5 (25 °C)
Melting point and freezing point	Not Available
Initial boiling point and boiling range	100 °C
Flash point	>100 °C at 101.3 kPa >200 °F at 1 atm
Evaporation rate	<1 (l'eau = 1)
Flammability, in the case of solids and gases	N/A
Upper and lower flammability or explosive limits	LEL=0.9% UEL=6%
Vapour pressure	31.69 hPa at 25 °C
Vapour density	Not Determined
Relative density	0.99 – 1.01 g/cm³ at 20 °C
Solubility	100% soluble
Partition coefficient — n-octanol/water	Not Determined
Auto-ignition temperature	Not Determined
Decomposition temperature	Not Determined
Viscosity	N/D

SECTION 10: Stability and reactivity

10.1 Reactivity
None under normal use conditions.

10.2 Chemical stability
Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions
Will not occur.

10.4 Conditions to avoid
Heat, flames and sparks.

10.5 Incompatible materials
Avoid contact with acids and strong oxidizers such as permanganate,
chlorine, ectoderm. Do not store near acids, carbon dioxide (CO2), and strong oxidizers such as permanganate, chlorine, ectoderm.

Isopropanol: Oxidizing agents, Acid anhydrides, Aluminium, Halogenated compounds, Acids

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2-Butoxyethanol: Strong oxidizing agents

Distillates, petroleum, hydrotreated light: Strong oxidizing agents, Strong bases, Strong acids, Amines

10.6 Hazardous decomposition products
Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity
reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one (3:1)
55965-84-9
oral 100 mg/kg

reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one (3:1)
55965-84-9
dermal 300 mg/kg

reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H -isothiazol-3-one (3:1)
55965-84-9
inhalation: vapor 3 mg/l/4h

Skin corrosion/irritation
Shall not be classified as corrosive/irritant to skin.

Serious eye damage/irritation
Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitization
Shall not be classified as a respiratory or skin sensitizer.

Germ cell mutagenicity
No data available

Carcinogenicity
Carcinogenicity: Ingredients not listed by OSHA, NTP, IARC.

Reproductive toxicity
No data available

Summary of evaluation of the CMR properties
Not Available

Specific target organ toxicity (STOT) - single exposure
Primary route of entry: A) Skin B) Inhalation

Specific target organ toxicity (STOT) - repeated exposure
Pre-existing skin, eye and respiratory disorders may be aggravated by exposure to product.

Additional information

OCTAMETHYLCYCLOTETRASILOXANE: ROUTE OF EXPOSURE
Skin Contact: May cause skin irritation.
Skin Absorption: May be harmful if absorbed through the skin.
Eye Contact: May cause eye irritation.
Inhalation: May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.
Ingestion: May be harmful if swallowed.
SIGNS AND SYMPTOMS OF EXPOSURE
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
TOXICITY DATA
Oral
Rat
> 2,000 mg/kg
LD50
Skin
Rat
> 2,400 mg/kg
LD50
Skin
Rabbit
> 4,640 mg/kg
LD50
Oral
Rat
1540 mg/kg
LD50
Remarks: Behavioral:Tremor.
Inhalation
Rat
36,000 mg/m3
LC50
Remarks: Behavioral:Excitement. Lungs, Thorax, or Respiration:Dyspnea. Skin and Appendages: Other: Hair.
Skin
Rat
1770 mg/kg
LD50
Remarks: Behavioral:Tremor. Gastrointestinal:Changes in structure or function of salivary glands. Liver:Other changes.
Skin
Rabbit
794 UL/KG
LD50
Remarks: Kidney, Ureter, Bladder:Hematuria.
IRRITATION DATA
Skin
Rabbit
500 mg
24H
Remarks: Mild irritation effect
Eyes
Rabbit
500 mg
24H

Remarks: Mild irritation effect
CHRONIC EXPOSURE - REPRODUCTIVE HAZARD
Result: Overexposure may cause reproductive disorder(s) based on tests with laboratory animals.
Species: Rat
Dose: 500 PPM
Route of Application: Inhalation
Exposure Time: (70D MALE/70D PRE-3W POST)
Result: Effects on Newborn: Live birth index (# fetuses per litter; measured after birth).

Butoxyethanol: *TOXICITY:
typ. dose mode specie amount units other
TCLo ihl hmn 195 ppm/8H
LD50 orl rat 1480 mg/kg
LC50 ihl rat 450 ppm/4H
LD50 ipr rat 220 mg/kg
LD50 ivn rat 340 mg/kg
LD50 orl mus 1230 mg/kg
LC50 ihl mus 700 ppm/7H
LD50 ipr mus 536 mg/kg
LDLo scu mus 500 mg/kg
LD50 ivn mus 1130 mg/kg
LD50 orl rbt 320 mg/kg
LD50 skn rbt 490 mg/kg
LD50 ivn rbt 280 mg/kg
LD50 orl gpg 1200 mg/kg
LD50 skn gpg 230 mg/kg
LD50 ipr rbt 220 mg/kg

*AQTX/TLM96: 1000-100 ppm

*SAX TOXICITY EVALUATION:
THR = HIGH human irritant via inhalation. HIGH via intravenous, oral and dermal routes. MODERATE via oral, intraperitoneal, inhalation, subcutaneous and dermal routes. MILD skin and eye irritant.

*CARCINOGENICITY: Not available

*MUTATION DATA:
test lowest dose | test lowest dose
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Not available |

*TERATOGENICITY:
Reproductive Effects Data:
TCLo: ihl-rat 200 ppm/6H (6-15D preg)
TCLo: ihl-rat 25 ppm/6H (6-15D preg)
TDLo: orl-mus 9440 mg/kg (7-14D preg)
TCLo: ihl-rbt 200 ppm/6H (6-18D preg)
TCLo: ihl-rbt 100 ppm/6H (6-18D preg)

*STANDARDS, REGULATIONS & RECOMMENDATIONS:
OSHA: Federal Register (1/19/89) and 29 CFR 1910.1000 Subpart Z
Transitional Limit: PEL-TWA 50 ppm (skin) [610]
Final Limit: PEL-TWA 25 ppm (skin) [610]
ACGIH: TLV-TWA 25 ppm (skin) [610]

NIOSH Criteria Document: None
NFPA Hazard Rating: Health (H): 2
Flammability (F): 2
Reactivity (R): 0
H2: Materials hazardous to health, but areas may be entered freely with full-faced mask self-contained breathing apparatus which provides eye protection (see NFPA for details).
F2: Materials which must be moderately heated before ignition will occur (see NFPA for details).
R0: Materials which are normally stable even under fire exposure conditions and which are not reactive with water (see NFPA for details).

*OTHER TOXICITY DATA:
Skin and Eye Irritation Data:
skn-rbt 500 mg open MLD
eye-rbt 18 mg
Standards and Regulations: DOT-IMO: Poison B; Label: St. Andrew's Cross, Flammable liquid
Status: "NIOSH Manual of Analytical Methods, 3rd. Ed."
Reported in EPA TSCA Inventory, 1983
EPA TSCA Section 8(e) Status Report 8EHQ-0483-0475
Meets criteria for proposed OSHA Medical Records Rule

SECTION 12: Ecological information

Toxicity
dimethyl,(aminoethylaminopropyl) methyl siloxane, trimethylsiloxyterminated
EL50 62 mg/l daphnia magna 48 h

octamethylcyclotetrasiloxane
556-67-2
LC50 >22 µg/l fish 96 h

octamethylcyclotetrasiloxane
556-67-2
EC50 >1,000 mg/l aquatic invertebrates 96 h

octamethylcyclotetrasiloxane
556-67-2
LC50 10 µg/l fish 14 d

octamethylcyclotetrasiloxane
556-67-2
EC50 >500 mg/l aquatic invertebrates 24 h

SECTION 13: Disposal considerations

Disposal methods

Product disposal
Dispose of accordance in local, and provincial regulations for solvent materials.

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

Canadian Domestic Substances List (DSL)

Canadian Domestic Substances List (DSL)
Chemical name: Siloxanes and Silicones, 3-[(2-aminoethyl)amino]propyl Me, di-Me
CAS number: 71750-79-3

Canadian Domestic Substances List (DSL)
Chemical name: Alcohols, C9-11, ethoxylated
CAS number: 68439-46-3

Canadian Domestic Substances List (DSL)
Chemical name: Ethanol, 2-butoxy-
CAS number: 111-76-2

Canadian Non-Domestic Substances List (NDSL)

SECTION 16: Other information

16.1 Further information/disclaimer
These SDS are written in an effort to provide information to the worker in the workplace and in such a way it can be understood. To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

16.2 Preparation information
Prepared by: C. Gourley