

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

1.1. Product identifier

Product form : Mixture
 Product name : **Low Foam Cleaner 0735**
 Product code : 0735

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

Use of the substance/mixture : Low Foam Cleaner

1.3. Details of the supplier of the safety data sheet

Flo-Kem
 19402 Susana Rd.
 Rancho Dominguez, CA 90221 - USA
 T 310-632-7124 - F 310-631-7496
<http://www.flo-kem.com>

1.4. Emergency telephone number

Emergency number : CHEMTEL: 800-255-3924

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS US classification

Skin Corr. 1C H314
 Eye Dam. 1 H318

Full text of H statements : see section 16

2.2. Label elements

GHS US labeling

Hazard pictograms :



GHS05

Signal word : Danger

Hazard statements : Causes severe skin burns and eye damage.
 Causes serious eye damage.

Precautionary statements : Do not breathe fume, mist, vapors.
 Wash hands and forearms thoroughly after handling.
 Wear eye protection, face protection, protective gloves, protective clothing.
 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 Immediately call a poison center or doctor/physician.
 Wash contaminated clothing before reuse.
 Store locked up.
 Dispose of contents/container in accordance with Local, State, and Federal regulations.

2.3. Hazard not otherwise classified (HNOC)

No additional information available.

2.4. Unknown acute toxicity (GHS US)

No data available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable.

(NOTE: If component displays the * (asterisk) symbol, the following statement applies.)

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*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret.

Full text of H-phrases: see section 16

3.2. Mixture

Name	Product identifier	%	GHS US classification
disodium metasilicate	(CAS-No.) 6834-92-0	5 - 10	Skin Corr. 1B, H314 STOT SE 3, H335
2-(2-butoxyethoxy)ethanol	(CAS-No.) 112-34-5	5 - 10	Eye Irrit. 2A, H319
sodium xylenesulfonate	(CAS-No.) 1300-72-7	1 - 5	Skin Irrit. 2, H315 STOT SE 3, H335
alcohols, C9-11, ethoxylated	(CAS-No.) 68439-46-3	1 - 5	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318
trisodium orthophosphate, dodecahydrate	(CAS-No.) 10101-89-0	1 - 5	Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335

(NOTE: If component displays the * (asterisk) symbol, the following statement applies.)

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret.

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
First-aid measures after skin contact	: Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. Immediately call a poison center or doctor/physician.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Immediately call a poison center or doctor/physician.

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

Symptoms/effects	: Causes severe skin burns and eye damage.
Symptoms/effects after skin contact	: Causes burns/corrosion of the skin.
Symptoms/effects after eye contact	: Causes serious eye damage.
Symptoms/effects after ingestion	: Harmful if swallowed. FOLLOWING SYMPTOMS MAY APPEAR LATER: Burns to the gastric/intestinal mucosa. Nausea.

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

No additional information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Alcohol-resistant foam. BC powder. Carbon dioxide. Sand/earth.
Unsuitable extinguishing media	: No unsuitable extinguishing media known.

5.2. Special hazards arising from the substance or mixture

Reactivity	: Reacts with (strong) oxidizers. Reacts with (some) acids.
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5.3. Advice for firefighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
Other information	: No additional information available.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Isolate from fire, if possible, without unnecessary risk.
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6.1.1. For non-emergency personnel

Emergency procedures	: Evacuate unnecessary personnel.
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6.1.2. For emergency responders

Protective equipment	: Equip cleanup crew with proper protection.
Emergency procedures	: Ventilate area.

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6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Do not eat, drink or smoke when using this product. Do not breathe fume, mist, or vapors. Provide good ventilation in process area to prevent formation of vapor.

Hygiene measures : Do not eat, drink or smoke when using this product. Wash hands and forearms thoroughly after handling. Wash contaminated clothing before reuse. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Incompatible products : Strong acids. Oxidizing agent.

Storage area : Store in a cool, dry well-ventilated area. Keep container tightly closed when not in use.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

2-(2-butoxyethoxy)ethanol (112-34-5)

ACGIH	ACGIH TWA (ppm)	10 ppm
ACGIH	ACGIH STEL (ppm)	10 ppm

8.2. Exposure controls

Personal protective equipment : Avoid all unnecessary exposure.

Hand protection : Wear protective gloves.

Eye protection : Chemical goggles or safety glasses.

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.

Other information : Do not eat, drink or smoke during use.

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

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: Clear yellow
Odor	: Butyl
Odor threshold	: No data available
pH	: 12.7 - 13.7
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 200 °F
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: No data available
Explosion limits	: No data available
Vapor pressure	: No data available
Vapor density	: No data available

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Specific Gravity @ 77° F	: 1.080 - 1.100
Solubility	: Water: Complete
Partition Coefficient n-Octanol-Water	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity	: No data available

9.2. Other information

VOC content	: 0 g/l CARB VOC
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reacts with (strong) oxidizers. Reacts with (some) acids.

10.2. Chemical stability

Stable under recommended conditions.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Oxidizers.

10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide. Sulfur oxides. Thermal decomposition generates : Corrosive vapors.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

trisodium orthophosphate, dodecahydrate (10101-89-0)

LD50 oral rat	7400 mg/kg (Rat; OECD 420: Acute Oral toxicity – Acute Toxic Class Method; Literature study; >2000 mg/kg bodyweight; Rat)
LD50 dermal rabbit	> 7940 mg/kg (Rabbit)
LC50 inhalation rat (mg/l)	> 0.83 mg/l/4h (Rat; Read-across)
ATE US (oral)	7400 mg/kg body weight

sodium xylenesulfonate (1300-72-7)

LD50 oral rat	3346 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
ATE US (oral)	3346 mg/kg body weight

disodium metasilicate (6834-92-0)

LD50 dermal rat	> 5000 mg/kg body weight (Rat; Read-across; OECD 402: Acute Dermal Toxicity)
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alcohols, C9-11, ethoxylated (68439-46-3)

LD50 oral rat	1378 mg/kg (Rat)
LD50 dermal rabbit	> 2000 mg/kg (Rabbit)
ATE US (oral)	1378 mg/kg body weight

2-(2-butoxyethoxy)ethanol (112-34-5)

LD50 oral rat	5660 mg/kg (Rat)
LD50 dermal rabbit	2764 mg/kg (Rabbit; Experimental value; OECD 402: Acute Dermal Toxicity)
ATE US (oral)	5660 mg/kg body weight
ATE US (dermal)	2764 mg/kg body weight

Skin corrosion/irritation : Causes severe skin burns and eye damage.

pH: 12.7 - 13.7

Serious eye damage/irritation : Causes serious eye damage.

pH: 12.7 - 13.7

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

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Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity – single exposure	: Not classified
Specific target organ toxicity – repeated exposure	: Not classified
Aspiration hazard	: Not classified
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.
Symptoms/effects after skin contact	: Causes burns/corrosion of the skin.
Symptoms/effects after eye contact	: Causes serious eye damage.
Symptoms/effects after ingestion	: Harmful if swallowed. FOLLOWING SYMPTOMS MAY APPEAR LATER: Burns to the gastric/intestinal mucosa. Nausea.

SECTION 12: Ecological information

12.1. Toxicity

trisodium orthophosphate, dodecahydrate (10101-89-0)	
LC50 fish 1	2400 mg/l (48 h; Leuciscus idus; Anhydrous form)
EC50 Daphnia 1	> 100 mg/l (48 h; Daphnia magna)
LC50 fish 2	220 mg/l (96 h; Lepomis macrochirus; Anhydrous form)
Threshold limit algae 1	> 100 mg/l (72 h; Desmodesmus subspicatus)
sodium xylenesulfonate (1300-72-7)	
LC50 fish 1	> 1580 mg/l (Rainbow trout)
EC50 Daphnia 1	> 1020 mg/l
ErC50 (algae)	758 mg/l
NOEC chronic algae	240 mg/l
disodium metasilicate (6834-92-0)	
LC50 fish 1	210 mg/l (96 h; Brachydanio rerio)
EC50 Daphnia 1	216 mg/l (96 h; Daphnia magna; Static system)
LC50 fish 2	2320 mg/l (96 h; Gambusia affinis)
EC50 Daphnia 2	632 mg/l (96 h; Lymnaea sp.; Static system)
Threshold limit algae 1	207 mg/l (72 h; Scenedesmus subspicatus; GLP)
alcohols, C9-11, ethoxylated (68439-46-3)	
LC50 fish 1	5.7 mg/l (Rainbow trout)
EC50 Daphnia 1	2.5 mg/l
2-(2-butoxyethoxy)ethanol (112-34-5)	
LC50 fish 1	1300 mg/l (96 h; Lepomis macrochirus)
LC50 other aquatic organisms 1	10 - 100 mg/l (96 h)
EC50 Daphnia 1	2850 mg/l (24 h; Daphnia magna; GLP)
LC50 fish 2	1805 mg/l (48 h; Leuciscus idus)
EC50 Daphnia 2	> 100 mg/l (48 h; Daphnia magna)
TLM fish 1	10 - 100,96 h; Pisces
TLM other aquatic organisms 1	10 - 100,96 h
Threshold limit other aquatic organisms 1	10 - 100,96 h
Threshold limit algae 1	53 mg/l (192 h; Microcystis aeruginosa)
Threshold limit algae 2	>= 100 mg/l (96 h; Scenedesmus subspicatus)

12.2. Persistence and degradability

trisodium orthophosphate, dodecahydrate (10101-89-0)	
Persistence and degradability	Biodegradability: not applicable. Biodegradability in soil: not applicable. No (test) data on mobility of the substance available.
ThOD	Not applicable (inorganic)
sodium xylenesulfonate (1300-72-7)	
Persistence and degradability	Biodegradability in water: no data available.

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disodium metasilicate (6834-92-0)	
Persistence and degradability	Biodegradability: not applicable. No (test)data on mobility of the substance available.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

alcohols, C9-11, ethoxylated (68439-46-3)	
Persistence and degradability	Readily biodegradable in water.

2-(2-butoxyethoxy)ethanol (112-34-5)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. No (test)data on mobility of the substance available. Photodegradation in the air.
Biochemical oxygen demand (BOD)	0.25 g O ₂ /g substance
Chemical oxygen demand (COD)	2.08 g O ₂ /g substance
ThOD	2.173 g O ₂ /g substance
BOD (% of ThOD)	0.11 % ThOD

12.3. Bioaccumulative potential

trisodium orthophosphate, dodecahydrate (10101-89-0)	
Bioaccumulative potential	Not bioaccumulative.

sodium xylenesulfonate (1300-72-7)	
Bioaccumulative potential	No bioaccumulation data available.

disodium metasilicate (6834-92-0)	
Bioaccumulative potential	Bioaccumulation: not applicable.

alcohols, C9-11, ethoxylated (68439-46-3)	
Bioaccumulative potential	No bioaccumulation data available.

2-(2-butoxyethoxy)ethanol (112-34-5)	
BCF fish 1	0.46 (QSAR)
Log Pow	0.56 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

12.4. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose of contents/container in accordance with Local, State, and Federal regulations.
Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

14.1. UN Number

UN-No.(DOT) : UN3266
Other information : Under 49 CFR 173.150(c) and (b)(3): This product may be shipped as ORM-D or Limited Quantity if the inner packagings do not exceed 5 L (1.3 gallons) or 5.0 kg (11 lbs). This provision does not apply to transportation by vessel or aircraft, except where other means of transportation is impracticable.

14.2. UN proper shipping name

Proper Shipping Name (DOT) : UN3266, Corrosive Liquid, Basic, Inorganic, N.O.S. (Disodium Metasilicate), 8, PGIII
Hazard labels (DOT) : 8 - Corrosive



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SECTION 15: Regulatory information

15.1. US Federal regulations

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

trisodium orthophosphate, dodecahydrate	CAS-No. 10101-89-0	1 - 5%
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Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

2-(2-butoxyethoxy)ethanol	CAS-No. 112-34-5	5 - 10%
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trisodium orthophosphate, dodecahydrate (10101-89-0)

Trisodium orthophosphate dodecahydrate appears on the U.S. EPA TSCA Inventory under the cas# representing the anhydrous form of this material (7601-54-9 trisodium phosphate, crystalline).

RQ (Reportable quantity, section 101(14) of CERCLA as published on EPA's List of Lists) : 5000 lb

SARA Section 311/312 Hazard Classes Immediate (acute) health hazard

sodium xylenesulfonate (1300-72-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory.
Listed on the Canadian DSL (Domestic Substances List).

SARA Section 311/312 Hazard Classes Immediate (acute) health hazard

disodium metasilicate (6834-92-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory.
Listed on the Canadian DSL (Domestic Substances List).

SARA Section 311/312 Hazard Classes Immediate (acute) health hazard

alcohols, C9-11, ethoxylated (68439-46-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory.
Listed on the Canadian DSL (Domestic Substances List).

EPA TSCA Regulatory Flag XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule, (40 CFR 711).

SARA Section 311/312 Hazard Classes Immediate (acute) health hazard

2-(2-butoxyethoxy)ethanol (112-34-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory.
Subject to reporting requirements of United States SARA Section 313.
Listed on the Canadian DSL (Domestic Substances List).

SARA Section 311/312 Hazard Classes Immediate (acute) health hazard
Delayed (chronic) health hazard

SARA Section 313 - Emission Reporting 1 %

15.2. International regulations

CANADA

proprietary ingredient (1300-72-7)

Listed on the Canadian DSL (Domestic Substances List).

disodium metasilicate (6834-92-0)

Listed on the Canadian DSL (Domestic Substances List).

alcohols, C9-11, ethoxylated (68439-46-3)

Listed on the Canadian DSL (Domestic Substances List).

2-(2-butoxyethoxy)ethanol (112-34-5)

Listed on the Canadian DSL (Domestic Substances List).

EU-Regulations

No additional information available.

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Not classified

15.2.2. National regulations

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trisodium orthophosphate, dodecahydrate (10101-89-0)

Trisodium orthophosphate dodecahydrate appears on the U.S. EPA TSCA Inventory under the cas# representing the anhydrous form of this material (7601-54-9 trisodium phosphate, crystalline).

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm.

SECTION 16: Other information

Abbreviations Legend:

H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H335	May cause respiratory irritation

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