

Safety Data Sheet

SECTION 1: Identification

1.1 Product identifier

Product name	Citrus FoamSolve
Product number	830
Brand	Crown Chemical, Inc.

1.2 Other means of identification

Citrus FoamSolve

1.3 Recommended use of the chemical and restrictions on use

High Performance Foaming Citrus Prep Detergent and Bug Remover

1.4 Supplier's details

Name	Crown Chemical, Inc.
Address	4701 W. 136th. St. Crestwood, Illinois 60418 U.S.A.
Telephone	708-371-6990
Fax	708-371-6992
email	info@crown-chem.com

1.5 Emergency phone number

800-535-5053

SECTION 2: Hazard identification

General hazard statement

Avoid inhalation of vapor or mists. Wash hands thoroughly after handling. Wear protective rubber gloves and chemical splash goggles as needed to prevent contact when using this product.

2.1 Classification of the substance or mixture

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

- Eye damage/irritation, Cat. 1
- Skin corrosion/irritation, Cat. 1B

2.2 GHS label elements, including precautionary statements

Pictogram



1. Exclamation mark

Signal word

Warning

Hazard statement(s)

H319
H315

Causes serious eye irritation
Causes skin irritation

Precautionary statement(s)

P260
P264
P280
P301+P330+P331

Do not breathe dust/fume/gas/mist/vapors/spray.
Wash hands & skin thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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P303+P361+P353

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

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/doctor for treatment advice.

P321

Specific treatment (see details on label).

P363

Wash contaminated clothing before reuse.

P405

Store locked up.

P501

Dispose of contents and container in accordance with all local, state, national and international regulations.

P337+P313

If eye irritation persists: Get medical advice/attention.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Irritant Mixture

Components

1. Sodium metasilicate pentahydrate

Concentration 4 - 9 % (By Weight)

CAS no. 6834-92-0

- Corrosive to metals, Cat. 1

- Skin corrosion/irritation, Cat. 1B

- Eye damage/irritation, Cat. 1

- Specific target organ toxicity (single exposure), Cat. 3

H314 Causes severe skin burns and eye damage

H335 May cause respiratory irritation

2. GLYCOL ETHER EB

Concentration 7 - 13 % (By Weight)

CAS no. 111-76-2

- 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. 2A

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

Trade secret statement (OSHA 1910.1200(i))

The specific chemical identities and/or actual concentrations for one or more components are being withheld as trade secrets under the US regulation 29 CFR 1910.1200(i).

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.

If inhaled

Remove person to fresh air and keep comfortable for breathing. Call a poison control center or doctor for treatment advice.

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In case of skin contact	Wash with plenty of water. Take off contaminated clothing and wash it before reuse. Call a poison control center or doctor for treatment advice if irritation persists.
In case of eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If swallowed	Rinse out mouth. Do NOT induce vomiting. Call a poison control center or doctor if you feel unwell.

4.2 Most important symptoms/effects, acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

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

No data available

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Specific hazards arising from the chemical

Sodium metasilicate anhydrous: Sodium oxides, silicon oxides

5.3 Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

Further information

Use water spray to cool unopened containers.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Initiate spill containment procedures immediately using containment or absorption methods. Keep people away from area. Put on appropriate protective equipment (see Section 8).

6.2 Environmental precautions

Do not allow spilled material to enter sewers, waterways or soil.

6.3 Methods and materials for containment and cleaning up

Neutralize with water. Mop, sweep or otherwise collect spilled material and hold for disposal. Consult local government authorities for allowable disposal methods. After removal, rinse area completely with water to remove residue.

Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid inhalation of vapor or mists. Wash hands thoroughly after handling. Wear protective rubber gloves and chemical splash goggles as needed to prevent contact when using this product.

7.2 Conditions for safe storage, including any incompatibilities

Store in a locked location inaccessible to children. Dispose of empty container by offering for recycling if available, or into a landfill. Follow all applicable state and local regulations. Keep container closed when not in use. NEVER mix this product with anything except water.

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

1. GLYCOL ETHER EB (CAS: 111-76-2)

PEL (Inhalation): 50 ppm (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 20 ppm (Cal/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 240 mg/m³ (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): 5 ppm (NIOSH)

OSHA Annotated Table Z-1, www.osha.gov

TLV® (Inhalation): 20 ppm; USA (ACGIH)

OSHA Annotated Table Z-1, www.osha.gov

8.2 Appropriate engineering controls

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

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

Eye/face protection

Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Wear protective rubber gloves to prevent contact when using this product.

Body protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Avoid inhalation of vapor or mists.

Thermal hazards

No data available

Environmental exposure controls

Do not let product enter drains.

SECTION 9: Physical and chemical properties and safety characteristics

Basic physical and chemical properties

Appearance	Orange Liquid
Odor	Citrus
Odor threshold	No data available.
Melting point/freezing point	No data available.
Boiling point or initial boiling point and boiling range	No data available.
Flammability	No data available.
Lower and upper explosion limit/flammability limit	No data available.
Flash point	Non-Combustible
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
pH	<11.0 (1% solution, 22°C)
Kinematic viscosity	No data available.
Solubility	100% (in H ₂ O, 22°C)
Partition coefficient n-octanol/water (log value)	No data available.

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Vapor pressure	No data available.
Evaporation rate	No data available.
Density and/or relative density	>1.0 (H ₂ O = 1.0)
Relative vapor density	No data available.

Particle characteristics

No data available.

Further safety characteristics (supplemental)

No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

Product is not reactive under normal storage and usage conditions. Mix this product ONLY with water.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

None under normal use conditions.

10.4 Conditions to avoid

Heat, flames and sparks.

10.5 Incompatible materials

Sodium metasilicate pentahydrate : Strong oxidizing agents

10.6 Hazardous decomposition products

Sodium metasilicate pentahydrate : Other decomposition products - No data available
In the event of fire: see section 5

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Likely Routes of Exposure: Eyes, Skin, Ingestion, Inhalation

Skin corrosion/irritation

Irritating to skin.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitization

Based on available data, classification data are not met

Germ cell mutagenicity

Based on available data, classification data are not met

Carcinogenicity

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

Reproductive toxicity

No data available

STOT-single exposure

No data available

STOT-repeated exposure

No data available

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Aspiration hazard

No data available

Additional information

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

SECTION 12: Ecological information

Toxicity

No data available on product

Persistence and degradability

No data available on product

Bioaccumulative potential

No data available on product

Mobility in soil

No data available on product

Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

SECTION 13: Disposal considerations

Product disposal

Avoid disposal of this product. Use complete contents according to directions. Do not release contents into a municipal sewer except through normal dilution and usage. Do not release contents onto the ground or into any body of water. Dispose of empty container by offering for recycling if available, or into a landfill. Follow all applicable state and local regulations.

Packaging disposal

Dispose of as unused product.

SECTION 14: Transport information

DOT (US)

Non-Regulated Liquid

SECTION 15: Regulatory information

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

Massachusetts Right To Know Components

Ethylene glycol monobutyl ether, CAS: 111-76-2

New Jersey Right To Know Components

Ethylene glycol monobutyl ether, CAS: 111-76-2

Pennsylvania Right To Know Components

Ethylene glycol monobutyl ether, CAS: 111-76-2

California Prop. 65 Components

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

SECTION 16: Other information

The information herein is believed to be correct, but is given without warranty or guaranty of any kind, express or implied. The hazards provided in this Safety Data Sheet apply to the product in its concentrated form, and may differ significantly after dilution.

16.1 Further information/disclaimer

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 investigation to determine the suitability of information for their particular purposes. In no event shall Crown Chemical, 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, whatsoever arising, even if Crown Chemical, Inc. has been advised of the possibility of such damages.