

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

**1.1. Product identifier**

Product form : Mixture  
 Product name : **Truck & Bus Wash 2228**  
 Product code : 2228

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

Use of the substance/mixture : Truck and Bus Wash

**1.3. Details of the supplier of the safety data sheet**

Chemco Products Company  
 19402 Susana Rd.  
 Rancho Dominguez, CA 90221 - USA  
 T 800-266-2116 - 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  
 STOT SE 3 H335

Full text of H statements : see section 16

**2.2. Label elements**

**GHS US labeling**

Hazard pictograms :



Signal word :

Danger

Hazard statements :

Causes severe skin burns and eye damage.  
 Causes serious eye damage.  
 May cause respiratory irritation.

Precautionary statements :

Do not breathe dust.  
 Avoid breathing dust, fume, gas, mist, spray, vapors.  
 Wash hands and forearms thoroughly after handling.  
 Use only outdoors or in a well-ventilated area.  
 Wear eye protection, face protection, protective clothing, protective gloves.  
 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.  
 Call a POISON CENTER or doctor/physician if you feel unwell.  
 Specific treatment (see the emergency and first aid section of this Safety Data Sheet on this label).  
 Wash contaminated clothing before reuse.  
 Store in a well-ventilated place. Keep container tightly closed.  
 Store locked up.  
 Dispose of contents/container in accordance with local/regional/national/international regulations.

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### 2.3. Hazard not otherwise classified (HNOC)

No additional information available.

### 2.4. Unknown acute toxicity (GHS US)

1.23% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)  
1.23% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)  
1.23% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Dust/Mist)).

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Not applicable.

(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.

Full text of H-phrases: see section 16

### 3.2. Mixture

Name	Product identifier	%	GHS US classification
sodium carbonate	(CAS-No.) 497-19-8	50 - 55	Eye Irrit. 2A, H319
disodium metasilicate, pentahydrate	(CAS-No.) 10213-79-3	5 - 10	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 STOT SE 3, H335
benzenesulfonic acid, C10-16-alkyl derivs., sodium salt/(Alternate sodium dodecyl benzene sulfonate)	(CAS-No.) 68081-81-2/(Alternate CAS#25155-30-0)	5 - 10	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
trisodium orthophosphate, dodecahydrate	(CAS-No.) 10101-89-0	5 - 10	Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335
ethoxylated fatty acid monoethanolamide	(CAS-No.) 827613-35-4	1 - 5	Eye Irrit. 2A, H319
tetra-sodium pyrophosphate	(CAS-No.) 7722-88-5	< 5	Eye Irrit. 2A, H319

(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. Immediately call a poison center or doctor/physician.
First-aid measures after skin contact	: Brush off loose particles from skin. Immerse in cool water/wrap in wet bandages. Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. 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 inhalation	: May cause respiratory irritation.
Symptoms/effects after skin contact	: Causes burns/corrosion of the skin.
Symptoms/effects after eye contact	: Causes serious eye damage.
Symptoms/effects after ingestion	: FOLLOWING SYMPTOMS MAY APPEAR LATER: Dry/sore throat. Abdominal pain. Difficulty in swallowing. Burns to the gastric/intestinal mucosa.

### 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	: Extinguishing media for surrounding fires. Adapt extinguishing media to the environment.
Unsuitable extinguishing media	: Do not use a heavy water stream.

### 5.2. Special hazards arising from the substance or mixture

Reactivity	: Reacts violently with (some) acids: release of heat. Reacts with (strong) oxidizers. Reacts with (some) halogen compounds.
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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. Prevent fire-fighting water from entering environment.
- 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.

#### 6.1.1. For non-emergency personnel

- Protective equipment : Protective goggles.  
Protective gloves.  
Protective clothing.  
Respiratory protection.
- Emergency procedures : Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

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

### 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

- For containment : Dam up the solid spill. If reacting: dilute toxic gas/vapor with water spray.
- Methods for cleaning up : Collect the spill only if it is in a dry state. Wetted substance: cover with powdered limestone or dry sand, earth, vermiculite. Minimize generation of dust. Scoop solid spill into closing containers. Carefully collect the spill/leftovers. Store away from other materials. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling.

### 6.4. Reference to other sections

No additional information available.

## 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 dust formation. Do not breathe dust. Contact with water may generate significant amount of heat. Ensure good ventilation of the work station. Handle and open the container with care. Observe normal hygiene standards. Use only outdoors or in a well-ventilated area. Use personal protective equipment as required.
- Hygiene measures : Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse. Wash hands and forearms thoroughly after handling. 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

- Technical measures : Provide local exhaust or general room ventilation. Comply with applicable regulations.
- Incompatible products : 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

tetra-sodium pyrophosphate (7722-88-5)		
OSHA	OSHA PEL (TWA) (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>

### 8.2. Exposure controls

- Personal protective equipment : Avoid all unnecessary exposure.
- Hand protection : Wear protective gloves.
- Eye protection : Chemical goggles or face shield.
- Skin and body protection : Wear suitable protective clothing.

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Respiratory protection	: Where exposure through inhalation may occur from use, respiratory protection equipment is recommended. In case of insufficient ventilation, wear suitable respiratory equipment.
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	: Solid
Color	: Pink
Odor	: Odorless
Odor threshold	: No data available
pH	: No data available
pH (1%) solution	: 11.5 - 12.5
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
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
Specific Gravity @ 77° F	: No data available
Solubility	: Soluble in water
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
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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Reacts violently with (some) acids: release of heat. Reacts with (strong) oxidizers. Reacts with (some) halogen compounds.

#### 10.2. Chemical stability

Stable under recommended conditions.

#### 10.3. Possibility of hazardous reactions

Reacts vigorously with strong oxidizers and acids. Contact with halogenated compounds may liberate toxic gas.

#### 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. Phosphorus oxides. Sulfur oxides. Thermal decomposition generates : Corrosive vapors.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity	: Not classified
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disodium metasilicate, pentahydrate (10213-79-3)	
LD50 oral rat	847 mg/kg
ATE US (oral)	847 mg/kg body weight

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<b>sodium carbonate (497-19-8)</b>	
LD50 oral rat	2800 mg/kg (Rat; Experimental value)
LD50 dermal rabbit	> 2000 mg/kg (Rabbit; Experimental value)
ATE US (oral)	2800 mg/kg body weight
<b>tetra-sodium pyrophosphate (7722-88-5)</b>	
LD50 oral rat	4000 mg/kg (Rat)
LD50 dermal rabbit	> 7940 mg/kg (Rabbit)
ATE US (oral)	4000 mg/kg body weight
<b>trisodium orthophosphate, dodecahydrate (10101-89-0)</b>	
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
<b>benzenesulfonic acid, C10-16-alkyl derivs., sodium salt/(Alternate sodium dodecyl benzene sulfonate) (68081-81-2/(Alternate CAS#25155-30-0))</b>	
ATE US (oral)	500 mg/kg body weight

Skin corrosion/irritation	: Causes severe skin burns and eye damage.
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause respiratory irritation.
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Symptoms/effects after inhalation	: May cause respiratory irritation.
Symptoms/effects after skin contact	: Causes burns/corrosion of the skin.
Symptoms/effects after eye contact	: Causes serious eye damage.
Symptoms/effects after ingestion	: FOLLOWING SYMPTOMS MAY APPEAR LATER: Dry/sore throat. Abdominal pain. Difficulty in swallowing. Burns to the gastric/intestinal mucosa.

## SECTION 12: Ecological information

### 12.1. Toxicity

<b>disodium metasilicate, pentahydrate (10213-79-3)</b>	
LC50 fish 1	210 mg/l (96 h; Brachydanio rerio; Anhydrous form)
EC50 Daphnia 1	216 mg/l (96 h; Daphnia magna; Anhydrous form)
LC50 fish 2	2320 mg/l (96 h; Gambusia affinis; Anhydrous form)
EC50 Daphnia 2	632 mg/l (96 h; Lymnaea sp.; Anhydrous form)
<b>sodium carbonate (497-19-8)</b>	
LC50 fish 1	300 mg/l (96 h; Lepomis macrochirus)
EC50 Daphnia 1	< 424 mg/l (48 h; Daphnia magna)
EC50 other aquatic organisms 1	14 mg/l (168 h; Plankton)
LC50 fish 2	740 mg/l (96 h; Gambusia affinis)
EC50 Daphnia 2	265 mg/l (48 h; Daphnia magna)
TLM fish 1	300 ppm (96 h; Lepomis macrochirus)
TLM other aquatic organisms 1	500 ppm (96 h; Daphnia magna)
Threshold limit algae 1	242 mg/l (5 days; Algae)
<b>tetra-sodium pyrophosphate (7722-88-5)</b>	
LC50 fish 1	> 1500 mg/l (48 h; Leuciscus idus)
<b>trisodium orthophosphate, dodecahydrate (10101-89-0)</b>	
LC50 fish 1	2400 mg/l (48 h; Leuciscus idus; Anhydrous form)

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<b>trisodium orthophosphate, dodecahydrate (10101-89-0)</b>	
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)

### 12.2. Persistence and degradability

<b>disodium metasilicate, pentahydrate (10213-79-3)</b>	
Persistence and degradability	Biodegradability: not applicable.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

<b>sodium carbonate (497-19-8)</b>	
Persistence and degradability	Biodegradability: not applicable. Low potential for absorption in soil.
ThOD	Not applicable (inorganic)

<b>tetra-sodium pyrophosphate (7722-88-5)</b>	
Persistence and degradability	Biodegradability: not applicable.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
BOD (% of ThOD)	Not applicable

<b>trisodium orthophosphate, dodecahydrate (10101-89-0)</b>	
Persistence and degradability	Biodegradability: not applicable. Biodegradability in soil: not applicable. No (test) data on mobility of the substance available.
ThOD	Not applicable (inorganic)

### 12.3. Bioaccumulative potential

<b>disodium metasilicate, pentahydrate (10213-79-3)</b>	
Bioaccumulative potential	No bioaccumulation data available.

<b>sodium carbonate (497-19-8)</b>	
Log Pow	-6.19 (Estimated value)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

<b>tetra-sodium pyrophosphate (7722-88-5)</b>	
Bioaccumulative potential	No bioaccumulation data available.

<b>trisodium orthophosphate, dodecahydrate (10101-89-0)</b>	
Bioaccumulative potential	Not bioaccumulative.

### 12.4. Other adverse effects

No additional information available.

## 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) : UN3262  
Other information : Under 49 CFR 173.154(c) and (b)(2): 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) : UN3262, Corrosive Solid, Basic, Inorganic, N.O.S. (Disodium Trioxosilicate), 8, PGIII

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Hazard labels (DOT)

: 8 - Corrosive



### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

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.

##### disodium metasilicate, pentahydrate (10213-79-3)

SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
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##### sodium carbonate (497-19-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory.

SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
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##### tetra-sodium pyrophosphate (7722-88-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory.

SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
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##### trisodium orthophosphate, dodecahydrate (10101-89-0)

RQ (Reportable quantity, section 101(14) of CERCLA as published on EPA's List of Lists) :	5000 lb
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SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
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##### benzenesulfonic acid, C10-16-alkyl derivs., sodium salt/(Alternate sodium dodecyl benzene sulfonate) (68081-81-2/(Alternate CAS#25155-30-0))

Listed on the United States TSCA (Toxic Substances Control Act) inventory.

SARA Section 311/312 Hazard Classes	Immediate (acute) health hazard
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##### ethoxylated fatty acid monoethanolamide (827613-35-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory.

#### 15.2. International regulations

##### CANADA

##### tetra-sodium pyrophosphate (7722-88-5)

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

##### disodium metasilicate, pentahydrate (10213-79-3)

Disodium metasilicate, pentahydrate the anhydrous form of this material is listed on the EPA TSCA inventory under the CAS no. 6834-92-0.

##### 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.

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### 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

#### Disclaimer

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ALL NON-EMERGENCY QUESTIONS SHOULD BE DIRECTED TO CUSTOMER SERVICE (310) 632-7124

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