

POT AND PAN DETERGENT Ultra Concentrate

SAFETY DATA SHEET

1. SECTION 1: IDENTIFICATION

1.1 Product Identifier	Product Identifier	Pot and Pan Detergent Ultra Concentrate
	CAS No.	Mixture
1.2 Recommended use of the chemical and restrictions on use	Identified Use(s)	Institutional Cleaning Product
	Uses Advised Against	Not intended for household purpose
1.3 Supplier's details	Company Identification	Custom Chemical Solutions, LLC 167 Commerce Dr., Loveland, OH 45140
	Telephone	(513) 870-4830
	Fax	(513) 870-4850
	E-mail	msds@washingsystems.com
1.4 Emergency Phone No.		Chemtrec: (800) 424-9300

2. SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture**
Serious eye damage: Category 1 (H318)
Skin corrosion/irritation: Category 1B (H314)
Acute toxicity, Oral: Category 4 (H302)
Acute toxicity, Dermal: Category 4 (H312)
Acute toxicity, inhalation: Category 4 (H332)
Chronic aquatic toxicity: Category 3 (H412)

- 2.2 Label elements**
Hazard Pictogram(s)



Signal Word(s): DANGER

Hazard Statement(s):

H303+H312+H332: Harmful if swallowed, in contact with skin or if inhaled.

H314: Causes severe skin burns and eye damage.

H318: Causes serious eye damage.

H412: Harmful to aquatic life with long lasting effects.

Precautionary Statement(s):

P261: Avoid breathing dust/fumes/ gas/mist/vapors/spray.

P264: Wash (hands and exposed skin) thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P271: Use only outdoors and well-ventilated area.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P301+P312+P330: IF SWALLOWED: Call a Poison Center or doctor/physician if you feel unwell. Rinse mouth.

P301+P330+P331: IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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P337+P313: If eye irritation persists: Get medical advice/attention.

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P332+P313: If skin irritation occurs: Get medical advice/attention.

P362: Take off contaminated clothing and wash before reuse.

2.3 **Hazards Not Otherwise Known:** None

2.4 **Additional Information:** None

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

Hazardous Ingredient(s)	CAS No.	%W/W
Alkyl Ether Sulfate Sodium Salt	68585-34-2	15-25
Lauramine Oxide	1643-20-5	3-10
Alcohols, C10-16, ethoxylated	68002-97-1	3-5

3.3 Additional Information

None

4. SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures

Inhalation

Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration. If irritation develops and persists, get medical attention.

Skin Contact

Wash with plenty of soap and water. If irritation develops and persists, get medical attention.

Eye Contact

Flush eyes with water for at least 15 minutes while holding eyelids open. Get medical attention.

Ingestion

Do NOT induce vomiting. Do not give anything by mouth to an unconscious person. Rinse mouth. Get immediate medical advice/attention.

4.2 Most important symptoms and effects, both acute and delayed

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

4.3 Indication of any immediate medical attention and special treatment needed

Not known.

5. SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Suitable Extinguishing Media

Any media, which is suitable, such as water spray, CO₂, dry chemical. This product will not burn.

Unsuitable Extinguishing Media

None known.

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- 5.2 **Special hazards arising from the substance or mixture** None known.
- 5.3 **Advice for fire-fighters** A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Water spray should be used to cool containers.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1 **Personal precautions, protective equipment and emergency procedures** Do not eat, drink or smoke during work. Wear appropriate personal protective equipment, avoid direct contact. Wear protective gloves/eye protection.
- 6.2 **Environmental precautions** Prevent liquid entering sewers, basements and any watercourses.
- 6.3 **Methods and material for containment and cleaning up** In event of a spill, evacuate danger area. Stop leak if safe to do so. Provide adequate ventilation. Cover with absorbent or contain. Collect and dispose. Wash the spillage area with water.
- 6.4 **Reference to other sections** See Also Section 8, 13.

7. SECTION 7: HANDLING AND STORAGE

- 7.1 **Precautions for safe handling** Keep container tightly closed and in a well-ventilated place. Do not get in eyes, on skin, or on clothing. Avoid breathing mist/spray. Avoid ingestion. Wash thoroughly after handling. Avoid prolonged skin contact.
- 7.2 **Conditions for safe storage, including any incompatibilities** Keep container tightly closed and dry. Store in a well-ventilated place. Keep/store away from: Incompatible materials.
- 7.2.3 **Incompatible materials** See Section: SECTION 10

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 **Control parameters**
Occupational Exposure Limits

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
Alkyl Ether Sulfate Sodium Salt	68585-34-2	None established	None established	None established	None established	None established
Lauramine Oxide	1643-20-5	None established	None established	None established	None established	None established
Alcohols, C10-16, Ethoxylated	68002-97-1	Not established	Not established	Not established	Not established	Not established

Source: OECD SIDS and ChemInfo.

- 8.2 **Appropriate engineering controls** Use only with adequate ventilation to keep exposures (airborne levels of dust, fumes, vapor, etc.) below recommended exposure limits.

- 8.3 **Individual protection measures, such as personal protective equipment (PPE)**
Eye/face protection



Skin protection

Goggles.

Protective gloves. Consideration should be given to the work procedures involved and the potential extent of exposure as they may determine whether a higher level of

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Respiratory protection

protection is required.

Wear suitable respiratory protective equipment if exposure to levels above the occupational exposure limit is likely. Use NIOSH approved respiratory protection.



Thermal hazards

None known.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Liquid
Color.	Orange liquid
Odor	Fragrant Odor
Odor Threshold	Not available
pH	10.5-11.9
Melting Point/Freezing Point	Not available
Initial boiling point and boiling range	Not available
Flash point	None
Evaporation Rate	Not available
Flammability (solid, gas)	Not available
Upper/lower flammability or explosive limits	Not available
Vapor pressure	Not available
Vapor density	Not available
Relative density	1.02 g/cc
Solubility(ies)	Water
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition Temperature	Not available
Viscosity	Not available
Explosive properties	None known
Oxidizing properties	None known
9.2 Other information	Not available

10. SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Stable.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	Will not occur.
10.4 Conditions to avoid	Conditions to avoid: prolonged exposure-Heat and Air.
10.5 Incompatible materials	Acids. Strongly alkaline. Strong oxidizing agents. Halogens. Aluminium.
10.6 Hazardous decomposition product(s)	Carbon dioxide. Carbon monoxide.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1

Information on toxicological effects

	CAS #68585-34-2	CAS #68002-97-1	CAS #1643-20-5 Laudamine Oxide
Acute Toxicity			
Ingestion	: LD50(rat): >2,000 mg/kg	: LD50(rat): >1,000 mg/kg	LD50(rat): >1065mg/kg
Inhalation	: No data available	: No data available	No data
Skin Contact	: LD50(rabbit): >2,000mg/kg	: No data available	LD50(rat): >2,000 mg/kg
Eye Contact	: Causes serious eye damage .	: No data available	Causes serious eye damage
Skin corrosion/irritation	: Irritation (rabbit): causes skin irritation	: Irritation (rabbit): Skin irritation (24 Hr): 4.4 (max score is 8)	Causes skin irritation

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Serious eye damage/irritation	No data	: Irritation (rabbit): Severe eye irritation 50.8 (max. score is 110). Irreversible effects on the eye .	No data
Respiratory or skin sensitization	No data	: No data available.	No data
Germ cell mutagenicity	No evidence	: No evidence of genotoxicity.	No evidence
Carcinogenicity	Not established	: Not listed as carcinogen by IARC, ACGIH, NTP, OSHA.	Not established
Reproductive toxicity	No data	: No data available.	No data
STOT - single exposure	No data	: No data.	No data
STOT - repeated exposure	No data	: May cause respiratory irritation.	No data
Aspiration hazard	No data	: Unlikely to be hazardous if swallowed.	No data
11.2 Other information	No data	Not available.	No data

12. SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity of	Alkyl Ether Sulfate, sodium salt; CAS #68585-34-2	Alcohols, C10-16, Ethoxylated; CAS #68002-97-1:	Lauramine Oxide, CAS #1643-20-5
	LC50 (fathead minnow): 2.3 mg/m3 (96h) EC50 (Daphnia magna): 2.3-4.8 mg/l – 48h EC50 (Desmodesmus subspicatus-green alge): no data	LC50 (fathead minnow): 227 mg/m3 (96h) EC50 (Daphnia magna): 68 mg/l – 48h EC50 (Desmodesmus subspicatus-green alge): 15 mg/m3 (72h)	LC50 (fathead minnow): 2.67 mg/m3 EC50 (Daphnia magna): 3.1 mg/l – 48h EC50 (Desmodesmus subspicatus-green alge): 0.19 mg/m3 (72h)
12.2 Persistence and degradability	No data available.	No data available.	No data available.
12.3 Bioaccumulative potential	No data available.	No data available.	No data available.
12.4 Mobility in soil	No data.	No data.	No data.
12.5 Other adverse effects	None known.	None known.	None known.

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	Observe Local Regulations. Consult the supplier for safe disposal of spillage waste and for decontamination of spillage area. References: SECTION 8:
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14. SECTION 14: TRANSPORT INFORMATION

D.O.T. Classification

Not classified.

14.1 UN number	Not applicable
14.2 Proper Shipping Name	Not applicable
14.3 Transport hazard class(es)	Not applicable
14.4 Packing group	Not applicable
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	Not applicable

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15. SECTION 15: REGULATORY INFORMATION

<p>15.1 US Federal Regulations: <i>TSCA Inventory Status: All chemicals in this product comply with TSCA rules and regulations including TSCA Section 5 (Inventory Rules).</i></p>	<p>CAS #68585-34-2 Alkyl ether sulfate, sodium salt <i>Title III Consolidated List of Lists:</i> S. 302 (EHS): No. S 304 (RQ): No. S 311/312 HAZARDS IDENTIFICATION: Acute: Yes. Chronic: No. Fire: No. Reactivity: No. Release potential pressure: No. S 313 (TRI): No.</p>	<p>CAS #1643-20-5 Lauramine Oxide <i>Title III Consolidated List of Lists:</i> S. 302 (EHS): No. S 304 (RQ): No. S 311/312 HAZARDS IDENTIFICATION: Acute: Yes. Chronic: No. Fire: No. Reactivity: No. Release potential pressure: No. S 313 (TRI): No.</p>	<p>CAS No. 68002-97-1 <i>Title III Consolidated List of Lists:</i> S. 302 (EHS): No. S 304 (RQ): No. S 311/312 HAZARDS IDENTIFICATION: Acute: Yes. Chronic: No. Fire: No. Reactivity: No. Release potential pressure: No. S 313 (TRI): No.</p>
<p>15.1.1 Other regulations, restrictions and prohibition regulations: USA</p>	<p>CAS No. 68585-34-2 <i>Proposition 65 (California): No.</i> <i>NJ RTK: Yes</i> <i>NY Environmentally hazardous substance (PART 597): Yes.</i> <i>PA Environmentally hazardous substance (HSL): Yes.</i></p>	<p>CAS No. 1643-20-5 <i>Proposition 65 (California): No.</i> <i>NJ RTK: Yes</i> <i>NY Environmentally hazardous substance (PART 597): Yes.</i> <i>PA Environmentally hazardous substance (HSL): Yes.</i></p>	<p>CAS No. 68002-97-1 <i>Proposition 65 (California): No.</i> <i>NJ RTK: Yes</i> <i>NY Environmentally hazardous substance (PART 597): Yes.</i> <i>PA Environmentally hazardous substance (HSL): Yes.</i></p>
<p>15.2 Canada (DSL/NDSL):</p>	<p>DSL: Yes. NDSL: No.</p>	<p>DSL: Yes. NDSL: No.</p>	<p>DSL: Yes. NDSL: No.</p>

16. SECTION 16: OTHER INFORMATION

Date of preparation: 05/01/2015

Disclaimers

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. Washing Systems gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. Washing Systems accepts no liability for loss or damage, resulting from reliance on this information.

The composition of the product is confidential.

NFPA		HMIS	
Health	2	Health	2
Fire	0	Flammability	0
Instability	0	Physical hazards	0
Specific	None	PPE	

LEGEND

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
STOT	Specific Target Organ Toxicity
OSHA	Occupational Safety and Health Administration
TSCA	Toxic Substances Control Act
NFPA	National Fire Protection Association
HMIS	Hazardous Material Information System