

Product Code: X300 Liquid Version: 1 Page 1 of 7 Date Prepared: July 2009

1. PRODUCT AND COMPANY INFORMATION

Identification of the substance/preparation Use of the substance/preparation

Company Identification Distributed by Address and Telephone No. X300 Liquid Universal cleanser for central heating systems.

Sentinel Performance Solutions Ltd. Douglas Products and Packaging 1550 East Old 210 Highway Liberty Missiouri, 64068 USA (816)-781-4250 (8am - 5pm) Chemtrec (800) 424-9300 (24/7) (816)-781-1043

Telephone for further information: Emergency Phone No. Fax:

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance and odour:AppearanceYellow to amber liquidOdourAmine odour

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

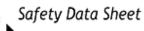
Statements of Hazard None.

Potential Health Effects

Primary routes of entry by skin or eye contact.

Eye contact - prolonged or repeated exposure may cause transient irritation. Skin contact - prolonged or repeated exposure may cause transient irritation. Inhalation - prolonged or repeated exposure may cause transient irritation. Ingestion of large amounts may cause slight gastrointestinal irritation.





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3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical description Neutral solution of phosphate and organic base.

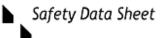
Hazardous component(s)

Ingredient	CAS Number	EC Number	%	Symbol	Risk Phrases
No hazardous					
ingredients above					
1%					

4. FIRST-AID MEASURES	
Inhalation	Remove patient to fresh air, allow to rest and keep warm. Seek medical attention if symptoms develop.
Skin contact	Wash with plenty of water. Remove any contaminated clothing and launder before reuse. Seek medical attention i symptoms develop.
Eye contact	Flush immediately with plenty of water for at least 15 minutes, keeping eyelids open. Seek medical attention if symptoms develop.
Ingestion	DO NOT induce vomiting! Rinse mouth out with water, but do not give anything to drink. Seek medical attention if symptoms develop.
Personal precautions	Ensure that those giving first aid treatment do not get contaminated by product spills, etc. Wear suitable protective clothing, gloves and eye protection. See also Section 8.

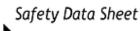
5. FIRE-FIGHTING MEASURES	
- Suitable	Water, foam, carbon dioxide, dry powder.
- Not to be used	None.
Special exposure hazards	Oxides of carbon, nitrogen, phosphorus and sulphur evolved in fire.
Special protective equipment for fire fighters	Protective clothing and self-contained breathing apparatus.
Flash point	Not flammable.





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6. ACCIDENTAL RELEASE MEA	ASURES						
Personal precautions		tive clothing, gloves and eye protection					
Environmental precautions	Prevent from enterin	See Section 8 for details. Keep unnecessary personnel awa Prevent from entering sewers or the immediate environme In case of large spill, inform local authorities.					
Methods for cleaning up	in case of large spin,	morn local autornes.					
- on soil	absorbent. Collect a	Absorb onto inert material such as earth, soil or specialist absorbent. Collect and place into sealed container for safe disposal (see Section 13). None known.					
- on water							
7. HANDLING AND STORAGE							
Handling	Avoid contact with sl vapours or spray.	kin and eyes. Do not ingest or inhale					
Storage		Keep in original containers. Keep container tightly closed Store in cool, well ventilated area.					
8. EXPOSURE CONTROLS/PER	SONAL PROTECTION						
Recommended engineering con	trols Ensure good ventilati	ion. Arrange for eye wash possibility.					
Control parameters:	None set.	None set.					
	Not required	Not required.					
Monitoring procedures	Not required.						
Personal protection	n your supplier of protective equipmer	nt.					
Personal protection	n your supplier of protective equipmer In case of insufficien	t ventilation, wear full face or half fa					
Personal protection Always check applicability with	n your supplier of protective equipmer In case of insufficien mask fitted with filte	t ventilation, wear full face or half fa er suitable for liquid particulates. veralls if splashing or repeated contac					
Personal protection Always check applicability with - Respiratory protection	n your supplier of protective equipmen In case of insufficien mask fitted with filte Laboratory coat or ov with product is likely Chemical goggles or f	t ventilation, wear full face or half fa er suitable for liquid particulates. veralls if splashing or repeated contac v.					





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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Odour pH (concentrated product) Melting point (°C) Boiling point/range (°C) Flash point (Pensky Martens) (°C) **Explosive properties** Oxidising properties Density at 20°C (kg/m³) Solubility in water (% by weight) Viscosity at 20°C (mPas) Pour point, (°C)

Yellow to amber liquid Amine 7 -1 [30°F] Approx 100 [212°F] Not flammable None None 1231 Completely miscible 48 2 [35°F]

Note: These are typical values and do not constitute a specification.

10. STABILITY AND REACTIVITY

Stability Conditions to avoid Materials to avoid Hazardous decomposition products Stable under normal conditions of use. Protect from freezing. None known. Oxides of carbon, nitrogen, phosphous and sulphur evolved in fire.

11. TOXICOLOGICAL INFORMATION

Test data:

Calculated from ingredient data: Oral LD₅₀ rat (mg/kg)

Dermal LD_0 rabbit (mg/kg)

No data available on product.

- > 2000 Not considered hazardous in EU.
 - > 2000 Not considered hazardous in EU.

Exposure hazard:

Inhalation

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- Skin contact
- Eye contact

- - Prolonged or repeated exposure may cause transient irritation.
 - Prolonged or repeated exposure may cause transient irritation.
- Prolonged or repeated exposure may cause transient irritation.
- Likely symptoms are slight gastrointestinal irritation. Ingestion





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Other data

None available.

12. ECOLOGICAL INFORMATION

Aquatic toxicity: Calculated from ingredient data: - Fish LC₅₀ (mg/l)

- FISH LC₅₀ (Hg/T)
 Rainbow trout 96hr static
 Invertebrate EC₅₀ (mg/I)
- Daphnia magna 48hr static

Environmental effects:

No data available on product.

20000 Not considered hazardous in EU.

20000 Not considered hazardous in EU.

Not classified as hazardous to the environment under the EU classification system.

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.

14. TRANSPORTATION INFORMATION

Not classified as dangerous for transport.

15. REGULATORY INFORMATION

The label shows a CAUTION. Keep Away From Children. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of water.

Names of the ingredients given on the label: None

R phrases: None.

S phrases: S2, Keep out of the reach of children; S24/25, Avoid contact with skin and eyes; S26, In case of contact with eyes, rinse immediately with plenty of water and seek medical advice; S28, After contact with skin, wash immediately with plenty of water.

Inventory StatusAll ingredients of this product are listed unless specifically
exempted.California Proposition 65Does not contain any chemicals known to the State of
California to cause cancer, birth defects or other
reproductive harm.





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EU	ö	roduct are listed in EINECS or ELINCS, apted under EU Directive 67/548/EEC

Right to know classification:

None are listed in CA, PA, MN, MA, MI, FL and NJ.

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

After contact with skin, wash immediately with

plenty of water

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions, which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION

	Hazardous Material Information (HMIS		on (HMIS)	National Fire Protection Association (NFPA)				1		
	Health		0		0	Health				
	Fire		1		1	Fire		_		
	Reactivity			0		0	Instability			
Personal Protection		В			NA					
-	'Instability ng informat	4 Deadly 4 < 73 °C 4 - May detonate	3 <	xtreme Dang 100 °C xplosive		2 <	Dangerous < 200 °C Jnstable	1 Slight hazard 1 >200 °C 1 Normally stable		No hazard Will not burn Stable
- Symbol(s) - R-Phrase(s) - S-Phrase(s)		None req None assi 2 24/25		d K∈	•	the reach of child the with skin and ey				

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Not applicable

Nature of revision	First issue to OSHA standard.
R-phrases used in Section 3	None

Based on ANSI Z4000.1-2004 and EU Regulation 1907/2006

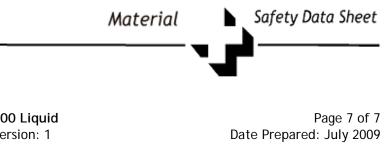
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Supersedes Version

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