

MATERIAL SAFETY DATA SHEET

in accordance with 1907/2006/EC

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING
Product Name: 217 Pressure Wash

Date of Preparation: 11 July 2007

MSDS No. 282-6

Not classified as hazardous according to criteria of Worksafe Australia.

Company:

A.W. CHESTERTON COMPANY
860 Salem Street
Groveland, MA 01834-1507, USA
Tel.: +1 978-469-6446 Fax: +1 978-469-6785
(Mon. - Fri. 8:30 - 5:00 PM EST)
E-mail (questions): ProductMSDSs@chesterton.com
MSDS requests: www.chesterton.com
Supplier:
For Chemical Emergency:

24 hours per day, 7 days per week
Call Infotrac: 1-800-535-5053
Outside N. America: 352-323-3500 (collect)

Use: Non-foaming liquid cleaner for use in spray or immersion applications.

2. HAZARDS IDENTIFICATION

Direct eye contact causes slight eye irritation. Vapors generated at elevated temperatures and mist could cause respiratory irritation.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients [†]	% Wt.	CAS No.	EC No.	Symbol	R-phrases
Dipropylene Glycol Monomethyl Ether	1-5	34590-94-8	252-104-2	–	–
Sodium Silicate	1-5	1344-09-8	215-687-4	Xi	37/38-41

See section 15 for labelling R-phrases and section 16 for others.

4. FIRST AID MEASURES

Inhalation:	Remove to fresh air. If not breathing, administer artificial respiration. Contact physician.
Skin Contact:	Wash skin with soap and water. Contact physician if irritation persists.
Eye Contact:	Flush eyes for at least 15 minutes with large amounts of water. Contact physician if irritation persists.
Ingestion:	If conscious, give two glasses of water to drink. Do not induce vomiting. Contact physician immediately.
Advice to Physician:	Treat symptoms.

5. FIRE FIGHTING MEASURES

Extinguishing Methods:	Carbon Dioxide, dry chemical, foam or water spray
Unusual Fire and Explosion Hazards:	none
Special Fire Fighting Measures:	Cool exposed containers with water. Recommend Firefighters wear self-contained breathing apparatus.
Flammability Classification:	—
HAZCHEM Emergency Action Code:	2 Z

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Utilize exposure controls and personal protection as specified in Section 8.
Environmental Precautions:	No special requirements.
Methods of Clean Up:	Contain spill to a small area. Pick up with absorbent material (sand, sawdust, clay, etc.) and place in a suitable container for disposal.

7. HANDLING AND STORAGE

Handling:	Avoid contact with eyes. Utilize exposure controls and personal protection as specified in Section 8.
Storage:	Store at room temperature. If frozen or stored above 43°C (110°F), return to room temperature and mix thoroughly before use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Hazardous Ingredients	OSHA		ACGIH TLV		AUSTRALIA	
	ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
Dipropylene Glycol Monomethyl Ether	100 (skin)	606	100 (skin)	606	100	606
			STEL		STEL	
			150 (skin)	909	150	909
Sodium Silicate	—	—	—	—	—	—

Respiratory Protection:	Not normally needed. If necessary, use approved organic, acid/base respirator.
Ventilation:	No special requirements. If necessary, provide adequate ventilation.
Protective Gloves:	Rubber gloves
Eye Protection:	Recommend safety glasses.
Other:	none

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	liquid	Odour	mild
Colour	blue	Vapour pressure @ 20°C	not determined
Initial boiling point	100°C (212°F)	% Aromatics by weight	0%
Melting point	not applicable	pH	11.4
% Volatile (by volume)	> 95%	Density	1,03 kg/l
Flash point	none	Weight per volume	8.57 lbs/gal.
Method	PM Closed Cup	Coefficient (water/oil)	> 1
Viscosity	< 10 cps	Vapour density (air=1)	> 1
Autoignition temp.	not determined	Rate of evaporation (ether=1)	< 1
Explosion limits	not determined	Solubility in water	complete
		Other	none

10. STABILITY AND REACTIVITY

Stability:	Stable
Hazardous Polymerization:	Will not occur.
Hazardous Decomposition Products:	Carbon Monoxide, Carbon Dioxide and other toxic fumes.
Conditions to Avoid:	none
Materials to Avoid:	Strong oxidizers like liquid Chlorine and concentrated Oxygen.

11. TOXICOLOGICAL INFORMATION

Primary Route of Exposure Under Normal Use:	Inhalation, skin and eye contact.
Acute Effects:	Direct eye contact causes slight eye irritation. Vapors generated at elevated temperatures and mist could cause respiratory irritation.
Chronic Effects:	Prolonged or repeated skin contact may defat the skin and cause skin irritation. Animal studies of Dipropylene Glycol Monomethyl Ether have reported fetotoxic, liver and kidney effects.
Other Information:	As per 29 CFR 1910.1200 (Hazard Communication), this product contains no carcinogens as listed in the National Toxicology Program (NTP), the International Agency for Research on Cancer (IARC) or the Occupational Safety and Health Administration (OSHA).

12. ECOLOGICAL INFORMATION

Ecotoxicological data have not been determined specifically for this product. The information given below is based on a knowledge of the components and the ecotoxicology of similar substances.

Mobility:	Liquid. Soluble in water. In determining environmental mobility, consider the product's physical and chemical properties (see Section 9). DPGME: expected to have very high mobility in soils.
Degradability:	DPGME: readily biodegradable.
Accumulation:	DPGME: low potential for bioaccumulation (BCF < 100). Sodium Silicate: not expected to bioaccumulate.
Ecotoxicity:	Many aquatic species are intolerant of pH levels in excess of 10. DPGME: 96 h LC50 (for fish) >150mg/l. Sodium Silicate: 96 h LC50 (for fish) >2320 mg/l

13. DISPOSAL CONSIDERATIONS

Free product may be amenable to wastewater treatment. Removal of organics with activated carbon or biological treatment may be necessary. Check local, state and national/federal regulations and comply with the most stringent requirement.

EWC-code: 20 01 29

14. TRANSPORT INFORMATION

TDG: NONHAZARDOUS, NOT REGULATED
IMDG: NONHAZARDOUS, NOT REGULATED
IATA/ICAO: NONHAZARDOUS, NOT REGULATED
ADR/RID: NONHAZARDOUS, NOT REGULATED

U.S. DOT :
 Shipping Name: NONHAZARDOUS
 Hazard Class: NOT REGULATED
 UN/NA # : NOT APPLICABLE
 Packaging Group # NOT APPLICABLE
 Emergency Response Guide Book No. - NOT APPLICABLE

15. REGULATORY INFORMATION

European Classification:[†] none

R-Phrase(s): —

S-Phrase(s): —

Name of the substances on the label: none

Other labelling information: none

Canadian Classification:[†] D2B: Toxic materials causing other effects

Risk Phrase(s): May be irritating to eyes.

Precautionary and First Aid Measure(s): Wear suitable gloves and eye protection.
 In case of contact with eyes, rinse with plenty of water and seek medical advice.

Other labelling information: none

16. OTHER INFORMATION**US EPA SARA TITLE III**

312 Hazards : **313 Chemicals :**
 Immediate None

Hazardous Materials Identification System (HMIS)

4 = Severe Hazard
 3 = Serious Hazard
 2 = Moderate Hazard
 1 = Slight Hazard
 0 = Minimal Hazard
 * = See Section 8

HEALTH	1
FLAMMABILITY	0
REACTIVITY	1
Personal Protection	*

JAPAN PRTR **Class I Chemicals :**
 none

Class II Chemicals :
 none

Risk phrases in section 3: R37/38: Irritating to respiratory system and skin.
 R41: Risk of serious damage to eyes.

Changes to the MSDS in this revision: section 1; updated to new format.

This information is based solely on data provided by suppliers of the materials used, not on the mixture itself. No warranty is expressed or implied regarding the accuracy of the data or the suitability of the product for the user's particular purpose. The user must make their own determination as to suitability.