

MATERIAL SAFETY DATA SHEET

in accordance with 1907/2006/EC

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product Name: 801 Industrial & Marine Solvent

Date of Preparation: 6 July 2007

MSDS No. 136-14

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: +1 352-323-3500 (collect)

Use: Water based cleaner. Nonflammable.

2. HAZARDS IDENTIFICATION

Irritating to eyes. The high alkali content can cause temporary eye and skin damage after prolonged contact, especially in the concentrated form. If ingested in large quantities, this product could cause internal damage to the body. This hazard is reduced as dilution is increased.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients ¹	% Wt.	CAS No.	EC No.	Symbol	R-phrases
Sodium Hydroxide	0.1-1	1310-73-2	215-185-5	C	35
Dipropylene Glycol Monomethyl Ether	1-5	34590-94-8	252-104-2	—	—

See section 15 for labelling risk phrases and section 16 for others.

4. FIRST AID MEASURES

Inhalation:	Remove to fresh air. If not breathing, administer artificial respiration. Contact physician immediately.
Skin Contact:	Wash skin with soap and water. Wash clothing before reuse. Contact physician.
Eye Contact:	Flush eyes for at least 15 minutes with large amounts of water. Contact physician.
Ingestion:	Do not induce vomiting. If conscious, dilute stomach contents with large quantities of milk or water. Contact physician immediately.
Advice to Physician:	Treat symptoms.

5. FIRE-FIGHTING MEASURES**Extinguishing Methods:** Nonflammable.**Unusual Fire and Explosion Hazards:** none**Special Fire Fighting Measures:** none**Flammability Classification:** –**HAZCHEM Emergency Action Code:** not applicable**6. ACCIDENTAL RELEASE MEASURES****Personal Precautions:** Evacuate area. Provide adequate ventilation. Utilize exposure controls and personal protection as specified in Section 8.**Environmental Precautions:** No special precautions.**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. Carefully flush area with water. Diluted acetic acid may be used to neutralize only the final traces after flushing.**7. HANDLING AND STORAGE****Handling:** Alkaline materials sometimes exhibit delayed effects. Wash immediately after any contact. Utilize exposure controls and personal protection as specified in Section 8.**Storage:** Store in a cool, dry area.**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Hazardous Ingredients	OSHA		ACGIH TLV		AUSTRALIA	
	ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
Sodium Hydroxide	–	2	(ceiling)	2	(ceiling)	2
Dipropylene Glycol Monomethyl Ether	100 (skin)	600	100 (skin)	606	100	606
			STEL		STEL	
			150	909	150	909

Respiratory Protection: Not normally needed. If exposure limits are exceeded, use approved organic, acid/base respirator.**Ventilation:** Use only in well-ventilated areas.**Protective Gloves:** Waterproof gloves (e.g., rubber)**Eye Protection:** Safety glasses**Other:** Rubber apron, rubber boots and other impervious clothing as necessary to prevent skin contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	liquid	Odour	mild odor
Colour	red	Vapour pressure @ 20°C	not determined
Initial boiling point	100°C (212°F)	% Aromatics by weight	0
Melting point	0°C (32°F)	pH	13
% Volatile (by volume)	94%	Density	1,07 kg/l
Flash point	none	Weight per volume	8.9 lbs/gal.
Method	–	Coefficient (water/oil)	> 1
Viscosity	approx. 2 cps @ 25°C	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:	none
Conditions to Avoid:	none
Materials to Avoid:	Aluminum and zinc metals and concentrated acids.

11. TOXICOLOGICAL INFORMATION

Primary Route of Exposure Under Normal Use:	Inhalation, skin and eye contact. Personnel with pre-existing dermatitis are generally aggravated by exposure.
Acute Effects:	Sodium Hydroxide is a strong irritant to eyes, skin and mucous membranes; in the presence of moisture it is corrosive. The hazard is reduced as it is present in Industrial & Marine Solvent in a 0.1-1% concentration and can be further reduced by dilution.
Chronic Effects:	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. DPGME: expected to have very high mobility in soils. In determining environmental mobility, consider the product's physical and chemical properties (see Section 9).
Degradability:	DPGME: readily biodegradable.
Accumulation:	DPGME: low potential for bioaccumulation (BCF < 100).
Ecotoxicity:	Many aquatic species are intolerant of pH levels in excess of 10. DPGME: 96 h LC50 (fish) > 150 mg/l.

13. DISPOSAL CONSIDERATIONS

Incinerate or landfill absorbed material. Liquids may be amenable for water treatment with absorption of organics after neutralization. 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:¹ Xi - Irritant
R-Phrase(s): R36 Irritating to eyes.
S-Phrase(s): S23 Do not breathe vapour/spray.
 S51 Use only in well-ventilated areas.
 S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Name of the substances on the label: none
Other information: none

Canadian Classification:¹ D2B: Toxic materials causing other effects
Risk Phrase(s): Irritating to eyes.
Precautionary and First Aid Measure(s): Do not breathe vapour/spray. Use only in well-ventilated areas.
 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
Other Information: none

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

312 Hazards : Immediate
313 Chemicals : None
 Delayed

Hazardous Materials Identification System (HMIS)

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

HEALTH	2
FLAMMABILITY	0
REACTIVITY	1
Personal Protection	*

JAPAN PRTR**Class I Chemicals :**

none

Class II Chemicals :

none

Risk phrases in section 3: R35: Causes severe burns.**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.