

SAFETY DATA SHEET

in accordance with 29 CFR 1910.1200, WHMIS 2015 and Safe Work Australia

Revision date: 9 February 2023 **Date of previous issue:** 9 December 2019 **SDS No.** 281-17

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

803 Industrial & Marine Solvent II

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

Relevant identified uses: A high performance water based alkaline cleaner.

Uses advised against: No information available

Reason why uses advised against: Not applicable

1.3. Details of the supplier of the safety data sheet

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)
SDS requests: www.chesterton.com
E-mail (SDS questions): ProductSDSs@chesterton.com
E-mail: customer.service@chesterton.com

Supplier:

Canada: A.W. Chesterton Company Ltd., 889 Fraser Drive,
Unit 105, Burlington, Ontario L7L 4X8 – Tel. 905-335-5055

1.4. Emergency telephone number

24 hours per day, 7 days per week
Call Infotrac: 1-800-535-5053
Outside N. America: +1 352-323-3500 (collect)
NSW Poisons Information Centre (Australia): 13 11 26

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

2.1.1. Classification according to 29 CFR 1910.1200 / WHMIS 2015 / Safe Work Australia / GHS

Skin corrosion, Category 1B, H314

2.1.2. Additional information

For full text of H-statements: see SECTIONS 2.2 and 16.

2.2. Label elements

Labeling according to 29 CFR 1910.1200 / WHMIS 2015 / Safe Work Australia / GHS

Hazard pictograms:



Signal word: Danger

Hazard statements: H314 Causes severe skin burns and eye damage.

Precautionary statements:	P260	Do not breathe mist/spray.
	P264	Wash hands, face and any exposed skin thoroughly after handling.
	P280	Wear protective gloves/clothing and eye/face protection.
	P303/361/353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
	P305/351/338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P304/340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
	P301/330/331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
	P310	Immediately call a POISON CENTER or doctor.
	P363	Wash contaminated clothing before reuse.
	P405	Store locked up.
	P501	Dispose of contents/container to an approved waste disposal plant.

Supplemental information: None

2.3. Other hazards

None known

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Hazardous Ingredients ¹	% Wt.	CAS No.	GHS Classification
Sodium carbonate	1-5	497-19-8	Eye Irrit. 2, H319
Hexyl D-glucoside	1-5	54549-24-5	Eye Dam. 1, H318
Dipropylene glycol monomethyl ether [Synonym: (2-Methoxymethylethoxy)propanol]	1-5	34590-94-8	Flam. Liq. 4, H227
Potassium hydroxide	1-2	1310-58-3	Acute Tox. 4, H302 Skin Corr. 1A, H314 Met. Corr. 1, H290

For full text of H-statements: see SECTION 16.

¹ Classified according to: 29 CFR 1910.1200, 1915, 1916, 1917, Mass. Right-to-Know Law (ch. 40, M.G.L..O. 111F), WHMIS 2015, Safe Work Australia, GHS

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation:	Remove to fresh air. If not breathing, administer artificial respiration. Contact physician immediately.
Skin contact:	Flood area with water while removing contaminated clothing. Wash clothing before reuse. Wash skin with soap and water. Contact physician immediately.
Eye contact:	Flush eyes for at least 15 minutes with large amounts of water. Contact physician immediately.
Ingestion:	Do not induce vomiting. If conscious, drink large quantities of water. Contact physician immediately.
Protection of first-aiders:	No action shall be taken involving any personal risk or without suitable training. Avoid contact with the product while providing aid to the victim. Do not breathe mist. See section 8.2.2 for recommendations on personal protective equipment.

4.2. Most important symptoms and effects, both acute and delayed

Direct contact can cause severe eye and skin irritation; possibly burns. Repeated or prolonged exposures to skin that cause irritation may cause a chronic dermatitis.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptoms.

SECTION 5: FIRE-FIGHTING MEASURES**5.1. Extinguishing media**

Suitable extinguishing media: Not combustible. Use extinguishing media suitable for the surrounding fire.

Unsuitable extinguishing media: None

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products: Carbon Monoxide, Carbon Dioxide and other toxic fumes.

Other hazards: None

5.3. Advice for firefighters

Cool exposed containers with water. Recommend Firefighters wear self-contained breathing apparatus.

Australian HAZCHEM Emergency Action Code: 2 Z

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1. Personal precautions, protective equipment and emergency procedures**

Utilize exposure controls and personal protection as specified in Section 8.

6.2. Environmental Precautions

Keep out of sewers, streams and waterways.

6.3. Methods and material for containment and cleaning up

Contain spill to a small area. Pick up with absorbent material (sand, sawdust, clay, etc.) and place in a suitable container for disposal.

6.4. Reference to other sections

Refer to section 13 for disposal advice.

SECTION 7: HANDLING AND STORAGE**7.1. Precautions for safe handling**

Keep container closed when not in use. Take off immediately all contaminated clothing. Alkaline materials sometimes exhibit delayed effects. Wash immediately after any contact.

7.2. Conditions for safe storage, including any incompatibilities

Store in a cool, dry area.

7.3. Specific end use(s)

No special precautions.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. Control parameters****Occupational exposure limit values**

Ingredients	OSHA PEL ¹		ACGIH TLV ²		AUSTRALIA ES ³	
	ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
Sodium carbonate	N/A	N/A	N/A	N/A	N/A	N/A
Hexyl D-glucoside	N/A	N/A	N/A	N/A	N/A	N/A
Dipropylene glycol monomethyl ether	100 (skin)	600	50	N/A	50 (skin)	308
Potassium hydroxide	N/A	N/A	N/A	(Ceiling) 2	N/A	(Ceiling) 2

*Chesterton recommended limit: 100 ppm.

¹ United States Occupational Health & Safety Administration permissible exposure limits

² American Conference of Governmental Industrial Hygienists threshold limit values

³ Safe Work Australia, Workplace Exposure Standards for Airborne Contaminants

Biological limit values

No biological exposure limits noted for the ingredient(s).

8.2. Exposure controls**8.2.1. Engineering measures**

Use only in well-ventilated areas. If exposure limits are exceeded, supplement with local mechanical exhaust.

8.2.2. Individual protection measures

Respiratory protection: Not normally needed. If exposure limits are exceeded, use an approved organic/acid/base vapor respirator (e.g., EN filter type A-P2).

Protective gloves: Waterproof gloves (e.g., rubber, latex, plastic)

Eye and face protection: Safety goggles.

Other: Impervious clothing as necessary to prevent skin contact.

8.2.3. Environmental exposure controls

Refer to sections 6 and 12.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties**

Physical state	clear liquid	pH	13.1 – 13.7
Colour	red	Kinematic viscosity	< 5 cps @ 25°C
Odour	mild odor	Solubility in water	complete
Odour threshold	not determined	Partition coefficient	not applicable
		n-octanol/water (log value)	
Boiling point or range	100°C (212°F)	Vapour pressure @ 20°C	not determined
Melting point/freezing point	0°C (32°F)	Density and/or relative density	1.06 kg/l
% Volatile (by volume)	89%	Weight per volume	8.9 lbs/gal
Flammability	not applicable	Vapour density (air=1)	> 1
Lower/upper flammability or explosion limits	not determined	Rate of evaporation (ether=1)	< 1
Flash point	none	% Aromatics by weight	0%
Method	PM Closed Cup	Particle characteristics	not applicable
Autoignition temperature	not applicable	Explosive properties	not determined
Decomposition temperature	not determined	Oxidising properties	not determined

9.2. Other information

None

SECTION 10: STABILITY AND REACTIVITY**10.1. Reactivity**

Refer to sections 10.3 and 10.5.

10.2. Chemical stability

Stable

10.3. Possibility of hazardous reactions

No dangerous reactions known under conditions of normal use.

10.4. Conditions to avoid

None

10.5. Incompatible materials

Aluminum, Zinc and Tin; alloys of Aluminum, Zinc and Tin and strong oxidizers like liquid Chlorine and concentrated Oxygen.

10.6. Hazardous decomposition products

Carbon Monoxide, Carbon Dioxide and other toxic fumes.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects**

Primary route of exposure under normal use: Skin and eye contact.

Acute toxicity -

Oral: Based on available data on components, the classification criteria are not met.

Substance	Test	Result
Sodium carbonate	LD50, rat	4,090 mg/kg
Hexyl D-glucoside	LD50 rat	> 2,000 (read-across)
Dipropylene glycol monomethyl ether	LD50, rat	> 5,000 mg/kg
Potassium hydroxide	LD50, rat	273 mg/kg

Dermal:

Substance	Test	Result
Sodium carbonate	LD50, rabbit	> 2,000 mg/l
Hexyl D-glucoside	LD50, rabbit	> 2,000 mg/l (read-across)
Dipropylene glycol monomethyl ether	LD50, rat	9,510 mg/kg

Inhalation:

Substance	Test	Result
Sodium carbonate	LC50, rat, 2 hours	2.3 mg/l
Dipropylene glycol monomethyl ether	LC0, rat, 7 h	3.35 mg/l (no mortality)

Skin corrosion/irritation: Direct contact can cause severe irritation; possibly burns.

Substance	Test	Result
Potassium hydroxide	Skin irritation, rabbit	Corrosive

Serious eye damage/irritation: Risk of serious damage to eyes.

Substance	Test	Result
Potassium hydroxide	Eye irritation, rabbit	Corrosive

Respiratory or skin sensitisation: Not expected to cause sensitization, based on available data.

Substance	Test	Result
Potassium hydroxide	Skin sensitization, guinea pig	No skin sensitization

Germ cell mutagenicity: Not expected to be a germ cell mutagen, based on data from components or similar materials. Hexyl D-glucoside, Potassium hydroxide, Ames test: negative

Carcinogenicity: This product contains no carcinogens as listed by the National Toxicology Program (NTP), the International Agency for Research on Cancer (IARC), the Occupational Safety and Health Administration (OSHA) or the European Chemicals Agency (ECHA).

Reproductive toxicity: Sodium carbonate, Dipropylene glycol monomethyl ether, Potassium hydroxide: not expected to cause toxicity. Hexyl D-glucoside: data lacking.

STOT – single exposure: Not expected to cause toxicity, based on available data on components.

STOT – repeated exposure: Not expected to cause organ damage from prolonged or repeated exposure, based on available data on components.

Aspiration hazard: Based on available data, the classification criteria are not met.

Other information: None known

SECTION 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.

12.1. Toxicity

Many aquatic species are intolerant of pH levels in excess of 10. Dipropylene glycol monomethyl ether: low toxicity to fish, daphnia and algae.

12.2. Persistence and degradability

Hexyl D-glucoside, Dipropylene glycol monomethyl ether: readily biodegradable. Potassium hydroxide, Sodium carbonate: inorganic substances.

12.3. Bioaccumulative potential

Hazardous ingredients: not expected to bioaccumulate.

12.4. Mobility in soil

Liquid. Soluble in water. In determining environmental mobility, consider the product's physical and chemical properties (see Section 9). Hexyl D-glucoside, Dipropylene glycol monomethyl ether: expected to be highly mobile in soil.

12.5. Other adverse effects

None known

SECTION 13: DISPOSAL CONSIDERATIONS**13.1. Waste treatment methods**

Incinerate or landfill absorbed material with a properly licensed facility. 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.

SECTION 14: TRANSPORT INFORMATION**14.1. UN number or ID number**

ADG/ADR/RID/ADN/IMDG/ICAO: UN1814

TDG: UN1814

US DOT: UN1814

14.2. UN proper shipping name

ADG/ADR/RID/ADN/IMDG/ICAO: POTASSIUM HYDROXIDE SOLUTION

TDG: POTASSIUM HYDROXIDE SOLUTION

US DOT: POTASSIUM HYDROXIDE SOLUTION

14.3. Transport hazard class(es)

ADG/ADR/RID/ADN/IMDG/ICAO: 8

TDG: 8

US DOT: 8

14.4. Packing group

ADG/ADR/RID/ADN/IMDG/ICAO: II

TDG: II

US DOT: II

14.5. Environmental hazards

NO ENVIRONMENTAL HAZARDS

14.6. Special precautions for user

NO SPECIAL PRECAUTIONS FOR USER

14.7. Maritime transport in bulk according to IMO instruments

NOT APPLICABLE

14.8. Other information

US DOT: ERG NO. 154

May be shipped as Limited Quantities in packaging having a rated capacity gross weight of 66 lb. or less and in inner packages not over 1 Liter (49 CFR 173.154 (b,1))

IMDG: EmS. F-A, S-B "Separated from Acids"

ADR: Classification code C5, Tunnel restriction code (E)

ADG HAZCHEM CODE: 2R HIN: 80

SECTION 15: REGULATORY INFORMATION**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****15.1.1. National regulations****US EPA SARA TITLE III****312 Hazards:**

Chemicals subject to reporting requirements of Section 313 of EPCRA and of 40 CFR 372:

Skin corrosion

None

TSCA: All chemical components are listed or exempted.

Other national regulations: None

SECTION 16: OTHER INFORMATION

Abbreviations and acronyms: ADG: Australian Dangerous Goods Code
 ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
 ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
 ATE: Acute Toxicity Estimate
 BCF: Bioconcentration Factor
 cATpE: Converted Acute Toxicity point Estimate
 ES: Exposure Standard
 GHS: Globally Harmonized System
 ICAO: International Civil Aviation Organization
 IMDG: International Maritime Dangerous Goods
 LC50: Lethal Concentration to 50 % of a test population
 LD50: Lethal Dose to 50% of a test population
 LOEL: Lowest Observed Effect Level
 N/A: Not Applicable
 NA: Not Available
 NOEC: No Observed Effect Concentration
 NOEL: No Observed Effect Level
 OECD: Organization for Economic Co-operation and Development
 (Q)SAR: Quantitative Structure-Activity Relationship
 REL: Recommended Exposure Limit
 RID: Regulations concerning the International Carriage of Dangerous Goods by Rail
 SDS: Safety Data Sheet
 STEL: Short Term Exposure Limit
 STOT RE: Specific Target Organ Toxicity, Repeated Exposure
 STOT SE: Specific Target Organ Toxicity, Single Exposure
 TDG: Transportation of Dangerous Goods (Canada)
 TWA: Time Weighted Average
 US DOT: United States Department of Transportation
 WHMIS: Workplace Hazardous Materials Information System
 Other abbreviations and acronyms can be looked up at www.wikipedia.org.

Key literature references and sources for data: Commission des normes, de l'équité, de la santé et de la sécurité du travail (CNESST)
 Chemical Classification and Information Database (CCID)
 European Chemicals Agency (ECHA) - Information on Chemicals
 Hazardous Chemical Information System (HCIS)
 National Institute of Technology and Evaluation (NITE)
 U.S. National Library of Medicine Toxicology Data Network (TOXNET)

Procedure used to derive the classification for mixtures according to GHS:

Classification	Classification procedure
Skin Corr. 1B, H314	Calculation method

Relevant H-statements: H227: Combustible liquid.
 H290: May be corrosive to metals.
 H302: Harmful if swallowed.
 H314: Causes severe skin burns and eye damage.
 H318: Causes serious eye damage.
 H319: Causes serious eye irritation.

Hazard pictogram names: Corrosion

Further information: None

Date of last revision: 9 February 2023

Changes to the SDS in this revision: Sections 6.2, 8.1, 9.1, 15.1.

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 suitability of the product for the user's particular purpose. The user must make their own determination as to suitability.