SAFETY DATA SHEET

in accordance with 29 CFR 1910.1200, WHMIS 2022 and Safe Work Australia

Revision date: 10 June 2024 **Date of previous issue:** 22 April 2019 **SDS No.** 165-18

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

1.1. Product identifier

360 Phosphate-Free Cleaner

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

Relevant identified uses: Water-based cleaner. Nonflammable.

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
(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

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

Supplier:

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 2022 / Safe Work Australia / GHS

Serious eye damage, Category 1, H318
Specific target organ toxicity – repeated exposure, Category 2, H373 (respiratory system, inhalation)

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 2022 / Safe Work Australia / GHS

Hazard pictograms:

Signal word: Danger

Hazard statements:

H318	Causes serious eye damage.
H373	May cause damage to the respiratory tract through prolonged or repeated exposure by inhalation.

Precautionary statements:	P260	Do not breathe mist/spray.
	P280	Wear eye/face protection.
	P305/351/338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P310	Immediately call a POISON CENTER or doctor.
	P314	Get medical advice/attention if you feel unwell.
	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
Disodium Metasilicate	1-5	6834-92-0	Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335
Sodium hydroxide	1-5	1310-73-2	Skin Corr. 1A, H314 Eye Dam. 1, H318 Met. Corr. 1, H290
Ethylenediaminetetraacetic acid, tetrasodium salt	1-5	64-02-8	Acute Tox. 4, H302, H332 Eye Dam. 1, H318 STOT RE 2, H373 (respiratory system, inhalation)
Ethanol	0.1-0.2	64-17-5	Flam. Liq. 2, H225 Eye Irrit. 2, H319 (C ≥ 50%)
Other ingredients Other ingredients:			
Triethanolamine	0.1-0.9	102-71-6	Not classified

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 2022, 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.

Skin contact: Wash skin with soap and water. Contact physician.

Eye contact: Flush eyes for at least 30 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.

Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training. Do not breathe mist/spray. Wear eye protection. See section 8.2.2 for recommendations on personal protective equipment.

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

May cause burns to eyes. Direct skin contact may cause slight skin irritation (Primary Skin Irritation Index = 1.833).

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: Nonflammable. Use extinguishing media suitable for the surrounding fire.

Unsuitable extinguishing media: None known

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products: None

Other hazards: None

5.3. Advice for firefighters

None

Australian HAZCHEM Emergency Action Code: Not applicable

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

Utilize exposure controls and personal protection as specified in Section 8. 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/m³	ppm	mg/m³	ppm	mg/m³
Disodium Metasilicate	N/A	N/A	N/A	N/A	N/A	N/A
Sodium hydroxide	N/A	2	N/A	2 (Ceiling)	N/A	2 (Ceiling)
Ethylenediaminetetraacetic acid, tetrasodium salt	N/A	N/A	N/A	N/A	N/A	N/A
Ethanol	1000	1900	STEL: 1,000	N/A	1000	1880
Triethanolamine	N/A	N/A	N/A	5	N/A	5

[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.

8.2.2. Individual protection measures

Respiratory protection: Not normally needed. If exposure limit is exceeded, use approved mist/fume respirator (e.g., EN filter type P2).

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

Eye and face protection: Safety goggles.

Other: None

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	low viscosity liquid	**pH**	13.1
Colour	blue	**Kinematic viscosity**	not known
Odour	mild	**Solubility in water**	complete
Odour threshold	not determined	**Partition coefficient n-octanol/water (log value)**	not applicable
Boiling point or range	100°C (212°F)	**Vapour pressure @ 20°C**	not determined
Melting point/freezing point	not determined	**Density and/or relative density**	1.13 kg/l
% Volatile (by volume)	92%	**Weight per volume**	9.4 lbs/gal.
Flammability	noncombustible	**Vapour density (air=1)**	> 1
Lower/upper flammability or explosion limits	not applicable	**Rate of evaporation (ether=1)**	< 1
Flash point	none	**% Aromatics by weight**	0%
Method	none	**Particle characteristics**	not applicable
Autoignition temperature	not determined	**Explosive properties**	not applicable
Decomposition temperature	no data available	**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 strong acids.

10.6. Hazardous decomposition products

None

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

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

Acute toxicity -

Oral: ATE-mix: 11,452 mg/kg

Substance	Test	Result
Disodium Metasilicate	LD50 oral, rat	1152-1349 mg/kg
Ethylenediaminetetraacetic acid, tetrasodium salt	LD50 oral, rat	1658 mg/kg

Dermal: ATE-mix: 49,700 mg/kg

Inhalation: ATE-mix: 93.75 mg/l (mist)

Substance	Test	Result
Ethylenediaminetetraacetic acid, tetrasodium salt	cATpE	1.5 mg/l (mist)

Skin corrosion/irritation: Direct skin contact may cause slight skin irritation (Primary Skin Irritation Index = 1.833).

Serious eye damage/ irritation: May cause burns to eyes.

Substance	Test	Result
Sodium hydroxide	Eye irritation, rabbit	Corrosive
Disodium Metasilicate	Eye irritation, rabbit	Corrosive
Ethylenediaminetetraacetic acid, tetrasodium salt	Eye irritation, rabbit	Corrosive

Respiratory or skin sensitisation: Not expected to cause sensitization.

Substance	Test	Result
Ethylenediaminetetraacetic acid, tetrasodium salt	Skin sensitization, guinea pig (OECD 406)	Not sensitizing

Germ cell mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

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: Not expected to be a reproductive toxicant, based on available data on components.

STOT – single exposure: Not expected to cause toxicity.

STOT – repeated exposure: Ethylenediaminetetraacetic acid, tetrasodium salt: May cause damage to the respiratory tract through prolonged or repeated exposure by inhalation.

Aspiration hazard: Not classified as an aspiration toxicant.

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

Low toxicity to fish.

12.2. Persistence and degradability

OECD 301E (Dissolved Organic Carbon - DOC): 92% Biodegradability. The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) N° 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request or at the request of a detergent manufacturer.

12.3. Bioaccumulative potential

Sodium hydroxide: not expected to bioaccumulate. Ethylenediaminetetraacetic acid, tetrasodium salt: bioconcentration factor approx. 1.8 (28 days), not expected to bioaccumulate. Ethanol: low potential for bioaccumulation (log Kow = –0.31).

12.4. Mobility in soil

Liquid. Soluble in water. In determining environmental mobility, consider the product's physical and chemical properties (see Section 9).

12.5. Endocrine disrupting properties

None known

12.6. 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 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: NOT APPLICABLE
TDG: NOT APPLICABLE
US DOT: NOT APPLICABLE

14.2. UN proper shipping name

ADG/ADR/RID/ADN/IMDG/ICAO: NON-HAZARDOUS, NON REGULATED

TDG: NON-HAZARDOUS, NON REGULATED
US DOT: NON-HAZARDOUS, NON REGULATED

14.3. Transport hazard class(es)

ADG/ADR/RID/ADN/IMDG/ICAO: NOT APPLICABLE
TDG: NOT APPLICABLE
US DOT: NOT APPLICABLE

14.4. Packing group

ADG/ADR/RID/ADN/IMDG/ICAO: NOT APPLICABLE
TDG: NOT APPLICABLE
US DOT: NOT APPLICABLE

14.5. Environmental hazards

NOT APPLICABLE

14.6. Special precautions for user

NOT APPLICABLE

14.7. Maritime transport in bulk according to IMO instruments

NOT APPLICABLE

14.8. Other information

NOT APPLICABLE

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:

Serious eye damage
Specific target organ toxicity – repeated exposure

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

None

TSCA: All 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
Eye Dam. 1, H318	Calculation method

Relevant H-statements:
H225: Highly flammable liquid and vapour.
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.
H332: Harmful if inhaled.
H335: May cause respiratory irritation.
H373: May cause damage to organs through prolonged or repeated exposure.

Hazard pictogram names: Corrosion, health hazard

Further information: None

Date of last revision: 10 June 2024

Changes to the SDS in this revision: Sections 1.2, 1.3, 2.1, 2.2, 3, 5.2, 5.3, 8.1, 9.1, 11, 12.3, 12.5, 15.1, 16.

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.