

SAFETY DATA SHEET

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

Revision date: 27 October 2020

Initial date of issue: 6 July 2007

SDS No. 266-15

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

1.1. Product identifier

KPC 820

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

Water-based metal cleaner. Nonflammable.

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 irritation, Category 2, H315
Serious eye damage, Category 1, H318

2.1.2. Australian statement of hazardous nature

Hazardous according to criteria of Safe Work Australia.

2.1.3. 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:

H315

Causes skin irritation.

H318

Causes serious eye damage.

Precautionary statements:	P264	Wash face, hands and any exposed skin thoroughly after handling.
	P280	Wear protective gloves and 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.
	P337/313	If eye irritation persists: Get medical advice/attention.
	P302/352	IF ON SKIN: Wash with plenty of soap and water.
	P332/313	If skin irritation occurs: Get medical advice/attention.
	P362/364	Take off contaminated clothing and wash it before reuse.

Supplemental information: None

2.3. Other hazards

None known

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Hazardous Ingredients ¹	% Wt.	CAS No.
Undecan-1-ol, ethoxylated	1-5	34398-01-1
Carbonic acid, sodium salt (by-products of Sodium bicarbonate)	1-5	533-96-0
D-Glucopyranose, oligomers, decyl octyl glycosides	1-3	68515-73-1
Ethanolamine (Synonym: 2-Aminoethanol)	1-2	141-43-5
Sodium octyl sulfate	0.9-2	142-31-4
Other ingredients ¹ :		
Polyethylene glycol	1-5	25322-68-3

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

*Substance with a workplace exposure limit. **Non-CLP classification.

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.

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

Eye contact: Flush eyes for at least 30 minutes with large amounts of water. Contact physician immediately.

Ingestion: If conscious, dilute stomach contents with two glasses of water and induce vomiting. 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. See section 8.2.2 for recommendations on personal protective equipment.

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

Causes serious eye damage. Causes skin irritation.

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.

Unsuitable extinguishing media: None

5.2. Special hazards arising from the substance or mixture

None

5.3. Advice for firefighters

None

Australian HAZCHEM Emergency Action Code: Not applicable 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

No special requirements.

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. Launder contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Do not freeze.

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
Undecan-1-ol, ethoxylated	N/A	N/A	N/A	N/A	N/A	N/A
Carbonic acid, sodium salt	N/A	N/A	N/A	N/A	N/A	N/A
D-Glucopyranose, oligomers, decyl octyl glycosides	N/A	N/A	N/A	N/A	N/A	N/A
Ethanolamine	3	6	3 STEL: 6	N/A	3 STEL: 6	7.5 15
Sodium octyl sulfate	N/A	N/A	N/A	N/A	N/A	N/A
Polyethylene glycol**	N/A	N/A	N/A	N/A	N/A	N/A

*European Union Occupational Exposure Limit Value: 1 ppm, 2.5 mg/m³, 8-hr TWA; 3 ppm, 7.6 mg/m³, STEL.

**American Industrial Hygiene Association (AIHA) recommended limit: 10 mg/m³, 8-hr TWA, aerosol.

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**

No special requirements. If exposure limits are exceeded, provide adequate ventilation.

8.2.2. Individual protection measures

Respiratory protection: Not normally needed. If exposure limits are exceeded, use an approved organic/acid/base vapor respirator.

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

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	liquid	Odour	citrus odor
Colour	green	Odour threshold	not determined
Initial boiling point	100°C (212°F)	Vapour pressure @ 20°C	not determined
Melting point	not determined	% Aromatics by weight	0%
% Volatile (by volume)	84%	pH	10.0
Flash point	none	Relative density	1.06 kg/l
Method	PM Closed Cup	Weight per volume	8.82 lbs/gal
Viscosity	< 5 cps @25°C	Coefficient (water/oil)	> 1
Autoignition temperature	not applicable	Vapour density (air=1)	> 1
Decomposition temperature	not determined	Rate of evaporation (ether=1)	< 1
Upper/lower flammability or explosive limits	not applicable	Solubility in water	complete
Flammability (solid, gas)	not applicable	Oxidising properties	not determined
Explosive properties	not applicable		

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

Elevated temperatures.

10.5. Incompatible materials

Strong acids/bases and strong oxidizers like liquid Chlorine and concentrated Oxygen.

10.6. Hazardous decomposition products

Carbon Monoxide, Carbon Dioxide, oxides of Sulfur and other toxic fumes.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects****Primary route of exposure under normal use:** Inhalation, skin and eye contact.**Acute toxicity -****Oral:** ATE-mix = 24,807 mg/kg.

Substance	Test	Result
Undecan-1-ol, ethoxylated	LD50, rat	> 1,403 mg/kg, estimated
Carbonic acid, sodium salt	LD50, rat	> 4,000 mg/kg
D-Glucopyranose, oligomers, decyl octyl glycosides	LD50, rat	> 5,000 mg/kg
Ethanolamine	LD50, rat	1,089 mg/kg
Sodium octyl sulfate	LD50, rat	3,200 mg/kg
Polyethylene glycol	LD50, rat	32,500 mg/kg

Dermal: ATE-mix = 68,322 mg/kg.

Substance	Test	Result
Ethanolamine	LD50, rabbit	1,018-2,504 mg/kg
D-Glucopyranose, oligomers, decyl octyl glycosides	LD50, rat	> 5,000 mg/kg
Polyethylene glycol	LD50, rabbit	> 20,000 mg/kg

Inhalation: ATE-mix > 99 mg/l (vapor).

Substance	Test	Result
Carbonic acid, sodium salt	LC50, rat, 4 hours	> 5.03 mg/l (dust)
D-Glucopyranose, oligomers, decyl octyl glycosides	LC50, rat, 4 hours	> 20 mg/l (vapor) > 5 mg/l (mist)
Ethanolamine	LC50, rat, 4 hours	> 1.48 mg/l (vapor) no mortality

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/irritation: Causes serious eye damage.

Respiratory or skin sensitisation: No known significant effects. Carbonic acid, sodium salt: not sensitizing.

Substance	Test	Result
Ethanolamine	Skin sensitization, guinea pig	Not sensitizing
D-Glucopyranose, oligomers, decyl octyl glycosides	Skin sensitization, guinea pig	Not sensitizing
Polyethylene glycol	Skin sensitization, human	Not sensitizing

Germ cell mutagenicity: Carbonic acid, sodium salt, Ethanolamine, Polyethylene glycol: based on available data, the classification criteria are not met. D-Glucopyranose, oligomers, decyl octyl glycosides: In vitro test, similar material: 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: Ethanolamine, Polyethylene glycol: in animal studies, did not interfere with reproduction.

STOT – single exposure: Not expected to cause toxicity.

STOT – repeated exposure: Ethanolamine: animal studies have reported liver and kidney effects.

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

Not expected to be acutely toxic. Not expected to demonstrate chronic toxicity to aquatic organisms.

12.2. Persistence and degradability

Undecan-1-ol, ethoxylated, D-Glucopyranose, oligomers, decyl octyl glycosides: readily biodegradable. Polyethylene glycol: expected to be readily biodegradable. In soil and water, Ethanolamine is expected to biodegrade fairly rapidly following acclimation (half-life on the order of days to weeks). Carbonic acid, sodium salt: inorganic substance.

12.3. Bioaccumulative potential

D-Glucopyranose, oligomers, decyl octyl glycosides, Polyethylene glycol: bioconcentration in aquatic organisms is not expected to be significant. Ethanolamine: low potential for bioaccumulation (BCF < 100). Carbonic acid, sodium salt: does not 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). Ethanolamine is expected to be extremely mobile in soil and have negligible adsorption to suspended solids and sediments in water.

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. Material may be suitable for water treatment. Check local, state and national/federal regulations and comply with the most stringent requirement.

SECTION 14: TRANSPORT INFORMATION**14.1. UN 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. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

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:**

Skin irritation

Serious eye damage

313 Chemicals:

None

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 Irrit. 2, H315	Calculation method
Eye Dam. 1, H318	Calculation method

Hazard pictogram names: Corrosion

Further information: None

Date of last revision: 27 October 2020

Changes to the SDS in this revision: Sections 1.3, 2.1, 2.2, 3, 5.3, 8.1, 8.2.2, 11, 12.2, 12.3, 13, 15, 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.