



MATERIAL SAFETY DATA SHEET

in accordance with 1907/2006/EC

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

Product Name: KPC 820

Date of Preparation: 6 July 2007

MSDS No. 266-7

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: +1 352-323-3500 (collect)

Use: Water-based metal cleaner. Nonflammable.

2. HAZARDS IDENTIFICATION

This product has a Primary Irritant Index of 0.0 and is considered a non-irritant. Direct contact can cause mild eye irritation. As with any product of this type, frequent or prolonged contact will affect people differently, depending on skin sensitivity. If ingested in large quantities, this product could cause internal damage to the body.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients ¹	% Wt.	CAS No.	EC No.	Symbol	R-phrases
Carbonic Acid, Sodium Salt (by-products of Sodium Bicarbonate)	1-5	533-96-0	208-580-9	Xi	36
Ethylenediaminetetraacetic Acid, Tetrasodium Salt	1-5	64-02-8	200-573-9	Xi	36

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.
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. Consult physician.
Ingestion:	If conscious, dilute stomach contents with two glasses of water and induce vomiting. 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:** 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:** 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.**Storage:** Do not freeze.**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Hazardous Ingredients	OSHA		ACGIH TLV		AUSTRALIA	
	ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
Carbonic Acid, Sodium Salt (by-products of Sodium Bicarbonate)	–	–	–	–	–	–
Ethylenediaminetetraacetic Acid, Tetrasodium Salt	–	–	–	–	–	–

Respiratory Protection: Not normally needed. If exposure limits are exceeded, use an approved organic/acid/base vapor respirator.**Ventilation:** No special requirements. If necessary, provide adequate ventilation.**Protective Gloves:** Waterproof gloves (e.g., rubber, latex, plastic)**Eye Protection:** Safety glasses**Other:** none

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	liquid	Odour	citrus odor
Colour	green	Vapour pressure @ 37.8°C	18.6 mm Hg
Initial boiling point	100°C (212°F)	% Aromatics by weight	0%
Melting point	not applicable	pH	9.9
% Volatile (by volume)	87%	Density	1,04 kg/l
Flash point	none	Weight per volume	8.66 lbs/gal
Method	–	Coefficient (water/oil)	> 1
Viscosity	< 5 cps @25°C	Vapour density (air=1)	> 1
Autoignition temp.	not applicable	Rate of evaporation (ether=1)	< 1
Explosion limits	not applicable	Solubility in water	complete
		Other	none

10. STABILITY AND REACTIVITY

Stability:	Stable
Hazardous Polymerization:	Will not occur.
Hazardous Decomposition Products:	Carbon Monoxide, Carbon Dioxide, NOx and other toxic fumes.
Conditions to Avoid:	none
Materials to Avoid:	Strong acids and 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:	This product has a Primary Irritant Index of 0.0 and is considered a non-irritant. Direct contact can cause mild eye irritation. Mists can cause eye and respiratory tract irritation.
Chronic Effects:	none
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).
Degradability:	OECD 302B (28 days): 75% biodegradability (readily biodegradable.)
Accumulation:	Not expected to bioaccumulate.
Ecotoxicity:	not determined

13. DISPOSAL CONSIDERATIONS

Incinerate or bury absorbed material. Material may be suitable for water treatment. 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 none
R-Phrase(s): —
S-Phrase(s): —
Name of the substances on the label: none
Other information: none

Canadian Classification:¹ none
Risk Phrase(s): —
Precautionary and First Aid Measure(s): —
Other 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: R36: Irritating 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.