

SAFETY DATA SHEET

Suma Carbon Remover K20

1. Identification of the substance/preparation and of the company/undertaking

Product name : Suma Carbon Remover K20
Supplier : JohnsonDiversey Asia Pacific
 83 Clemenceau Avenue, #15-03/04 UE Square
 Singapore 239920
Telephone No.: : (65) 6733 2272
Product Use : Industrial/Institutional

2. Composition/information on ingredients

Substance/Preparation : Preparation

Chemical name*	CAS No.	%	EC Number	Classification
Europe				
Sodium silicate	1344-09-8	30-60	215-687-4	Xn; R22
Potassium hydroxide	1310-58-3	5-10	215-181-3	Xn; R22 C; R35
See Section 16 for the full text of the R Phrases declared above				

* Occupational Exposure Limit(s), if available, are listed in section 8

Detergent/Cleaner Labelling : Not applicable.
 (89/542/EEC)

3. Hazards identification

The preparation is classified as dangerous according to Directive 1999/45/EC and its amendments.

Hazard symbol(s) :



Corrosive

Risk Phrases : R22- Harmful if swallowed.
 R35- Causes severe burns.

4. First aid measures

First-Aid measures

- Inhalation** : If breathing is difficult: Remove to fresh air. Get medical attention immediately.
Ingestion : Do not induce vomiting! Immediately drink 1-2 glasses of water or milk. Never give anything by mouth to an unconscious person. Get medical attention immediately.
Skin Contact : Immediately wash off with plenty of water for at least 15 minutes. Get medical attention immediately.
Eye Contact : Immediately wash out with water for at least 15 minutes. Get medical attention immediately.

5. Fire-fighting measures

- Extinguishing Media** : Dry chemical, water spray, foam, carbon dioxide.
- Special fire-fighting procedures** : None known.
- Unusual fire/explosion hazards** : Corrosive material (See sections 8 and 10).

6. Accidental release measures

- Personal precautions** : Put on appropriate personal protective equipment (see Section 8).
- Environmental Precautions and Clean-up Methods** : In the event of major spillage: Use appropriate containment to avoid environmental contamination. Take up with inert absorbing material. Place in suitable clean, dry containers for disposal by approved methods. Use a water rinse for final clean-up.

Note: See section 8 for personal protective equipment and section 13 for waste disposal.

7. Handling and storage

- Handling** : Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Use only in well ventilated areas. Avoid breathing vapors or spray mists. Remove and wash contaminated clothing and footwear before re-use.
- Storage** : Store in a dry, cool and well-ventilated area. Keep away from heat. Protect from freezing. Keep container tightly closed. Keep out of the reach of children. For Professional use only.

8. Exposure controls/personal protection

When handling product as supplied:

- Engineering Controls** : Good general ventilation should be sufficient to control airborne levels. Respiratory protection is not required if good ventilation is maintained.

<u>Ingredient Name</u>	<u>Occupational Exposure Limits</u>
Europe Potassium hydroxide	ACGIH (United States). STEL: 2 mg/m ³ ACGIH TLV (United States, 2003). Notes: CEIL: 2 mg/m ³

Personal protective equipment

- Respiratory system** : In case of insufficient ventilation, wear suitable respiratory equipment.
- Skin and body** : If major exposure is possible, wear appropriate protective equipment.
- Hands** : Chemical-resistant protective gloves made of butyl or nitrile rubber (EN 374, category III). In consultation with the supplier of protective gloves a different type of similar quality may be chosen.
- Eyes** : Safety goggles.
- Information should be confirmed by workplace assessment.**

9. Physical and chemical properties

- Physical state** : Liquid.
- Color** : Colorless to light yellow.
- Odor** : Not available.
- pH** : 13.5 (Conc. (% w/w): 100) [Basic.]
- Flash point** : Closed cup: >93.3°C (199.9°F).
- Specific Gravity** : 1.533
- Solubility** : Not available.
- Viscosity** : Not available.

10. Stability and reactivity

Stability	: The product is stable.
Conditions to avoid	: None known.
Hazardous Reactions	: May react or be incompatible with acids. May react or be incompatible with oxidizing materials.
Hazardous Decomposition Products	: None known.

11. Toxicological information

Acute toxicity	: LD ₅₀ estimated to be > 2000 mg/kg.
Effects and symptoms	
Skin Contact	: Corrosive. May cause permanent damage.
Eye Contact	: Corrosive. May cause permanent damage.
Inhalation	: May cause irritation and corrosive effects to nose, throat and respiratory tract.
Ingestion	: Corrosive. May cause burns to mouth, throat, and stomach. May be harmful if swallowed.
Chronic toxicity	: None known.

12. Ecological information

Environmental Hazards	: When used for its intended purpose this product should not cause adverse effects in the environment.
	: Not available.

13. Disposal considerations

Methods of disposal	: Disposal according to the local legislation.
European Waste Catalogue (EWC)	: Not available.
Hazardous Waste	: The classification of the product may meet the criteria for a hazardous waste

14. Transport information

International transport regulations

Regulatory Information	UN number	Proper shipping name	Class	Packing Group	Label	Additional information
ADR/RID Class	UN3266	Corrosive liquid, basic, inorganic, n.o.s. (sodium hydroxide, sodium silicate)	8	II		-
IMDG Class	UN3266	Corrosive liquid, basic, inorganic, n.o.s. (sodium hydroxide, sodium silicate) (Potassium hydroxide)	8	II		-
IATA-DGR Class	UN3266	Corrosive liquid, basic, inorganic, n.o.s. (sodium hydroxide, sodium silicate) (Potassium hydroxide)	8	II		-

Additional information	: Transport regulations include special provisions for certain classes of dangerous goods packed in limited quantities.
-------------------------------	---

15. Regulatory information

EU Regulations

Hazard symbol(s)

:



Corrosive

Risk Phrases

: R22- Harmful if swallowed.
R35- Causes severe burns.

Safety Phrases

: S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28- After contact with skin, wash immediately with plenty of [***].
S36/37/39- Wear suitable protective clothing, gloves and eye/face protection.
S45- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Contains

: Potassium hydroxide
Sodium silicate

215-181-3

215-687-4

16. Other information

Full text of R phrases referred
to in Sections 2 and 3 - Europe

: R22- Harmful if swallowed.
R35- Causes severe burns.

Full text of classifications
referred to in Sections 2 and 3 -
Europe

: C - Corrosive
Xn - Harmful

MSDS code

: Not available.

Formula code

: 126441001

HISTORY

Date of printing

: 06 February 2004

Date of issue

: 06 February 2004

Version

: 1

Notice to Reader

This update concerns a re-issue related to the introduction of 99/45/EC and 2001/58/EC, and the 28th ATP of 76/768/EEC. In view of the large number of changes the individual revisions have not been indicated in this new version.

The information provided in this Safety Data Sheet is correct to the best of our knowledge at the date of issue and covers applications when used as directed.

Version

1

Page: 4/4