

Suma Carbon Remover K20

Version Number: 1

Preparation date: 2005-01-13

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

Product name: Suma Carbon Remover K20
MSDS #: 126441001
Product code: 07868, 126441001
Recommended use: Industrial/Institutional. Cleaning product.

Manufacturer, importer, supplier

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2. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Preparation: Preparation

CHEMICAL COMPOSITION

Ingredient	CAS #	Weight %	EC Number	Classification
Sodium silicate	1344-09-8	30-60%	2156874	Xi;R36 Xi;R38
Potassium hydroxide	1310-58-3	5-10%	2151813	C;R35 Xn;R22

* TS=Trade Secret

For the full text of the R phrases mentioned in this Section, see Section 16. Occupational Exposure Limit(s), if available, are listed in Section 8.

3. HAZARDS IDENTIFICATION

The preparation is classified as dangerous in accordance with Directive 1999/45/EC.

Category of Danger:

Corrosive

Risk Phrases:

R35 - Causes severe burns.

4. FIRST AID MEASURES

Eye contact: Immediately wash out with water for at least 15 minutes. Get medical attention immediately.
Skin contact: Immediately wash off with plenty of water for at least 15 minutes. Get medical attention immediately.
Inhalation: If breathing is affected, 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.
Aggravated Medical Conditions: None known

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Dry chemical, water spray, foam, carbon dioxide
Specific hazards: None known
Unusual 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: Clean-up methods - large spillage. Use appropriate containment to avoid environmental contamination. Soak up with inert absorbent material. Keep in suitable, closed containers for disposal. 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 skin, eyes and clothing. Use only with adequate ventilation. Avoid breathing vapors or mists. Wash thoroughly after handling. Remove and wash contaminated clothing and footwear before re-use.
Storage: Keep tightly closed in a dry, cool and well-ventilated place. Protect from freezing. Keep out of the reach of children.

Restricted to professional users

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

Personal protective equipment

Eye protection: Safety goggles.
Hand protection: Rubber gloves.
Skin and body protection: Wear suitable protective clothing.
Respiratory protection: In case of insufficient ventilation wear suitable respiratory equipment.

Ingredient	ACGIH	Europe	Australia	China	Hong Kong
Potassium hydroxide	2 mg/m ³ (Ceiling)				2 mg/m ³ (Ceiling)

Ingredient	India	Indonesia	Korea	Malaysia	New Zealand
Potassium hydroxide		2 mg/m ³ (Ceiling)	2 mg/m ³ (Ceiling)	2 mg/m ³ (Ceiling)	2 mg/m ³ (Ceiling)

Ingredient	Phillipines	Singapore	Taiwan	Thailand
Potassium hydroxide		2 mg/m ³ (STEL)		

Information should be confirmed by workplace assessment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid	Specific Gravity:	1.533
Odour:	No information available	Density:	No information available
Color:	Light yellow	Viscosity:	No information available
pH:	13.85	Solubility:	No information available
Dilution pH:	No information available	VOC:	No information available
Flash point:	>199 (°F) >93.3 (°C)		

10. STABILITY AND REACTIVITY

Stability: Yes.
Polymerization: No.

Hazardous decomposition products: None known
Materials to avoid: Incompatible with acids. Oxidising agents.
Conditions to avoid: None known

11. TOXICOLOGICAL INFORMATION

Acute toxicity Oral. Corrosive.

Local effects

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.
Chronic toxicity: None known

Specific effects None known

Information given is based on data on the components and the toxicology of similar products.

12. ECOLOGICAL INFORMATION

Environmental Information: When used for its intended purpose this product should not cause adverse effects in the environment

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products: Dispose of in accordance with local regulations
Further information: The classification of the product may meet the criteria for a hazardous waste.

14. TRANSPORT INFORMATION

International Transport Regulations

Regulatory information	UN/ID No	Proper shipping name	Class	Packing group
IMO:	3266	Corrosive liquid, basic, inorganic, n.o.s. (sodium hydroxide, sodium silicate)	8	II
ICAO/IATA	3266	Corrosive liquid, basic, inorganic, n.o.s. (sodium hydroxide, sodium silicate)	8	II

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

15. REGULATORY INFORMATION



Indication of danger:
 C - Corrosive.

Risk Phrases:

R35 - Causes severe burns.

Safety Phrases:

S45 - In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).
 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 water.
 S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.

Contains: Potassium hydroxide.

International Inventories

All components of this product are listed on the following inventories: U.S.A. (TSCA), Canada (DSL/NDSL), Europe (EINECS/ELINCS/NLP), Australia (AICS), Korea (ECL), Japan (ENCS), Philippines (PICCS), China (IECSC).

16. OTHER INFORMATION

Text of R phrases mentioned in Section 2

- R36 - Irritating to eyes.
- R38 - Irritating to skin.
- R35 - Causes severe burns.
- R22 - Harmful if swallowed.

Reason for revision:	Not applicable
Formula Code:	126441001
GPS Clearance Reference:	Not applicable (x-JWP)
Prepared By:	Corporate Product Responsibility

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End of Safety Data Sheet

JWP
TBD