

Material Safety Data Sheet

Sascol™ 95

Version 1.03

Revision Date 22.03.2006



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

Trade name	Sascol™ 95
Synonyms	
Company	Hitech Chemicals

2. Composition/information on ingredients

sodium hydroxide; caustic soda

content: >= 3.00 - <= 8.00 %

CAS-No. 1310-73-2
Symbol(s) C

Index-No. 011-002-00-6
R-phrase(s) -R35

EG-Nr.: 215-185-5

butan-1-ol; n-butanol

content: >= 3.00 - <= 6.00 %

CAS-No. 71-36-3
Symbol(s) Xn

Index-No. 603-004-00-6
R-phrase(s) -R10 -R22 -R37/38 -R41 -R67

EG-Nr.: 200-751-6

pentanol isomers, with the exception of those specified elsewhere in this Annex

content: 1.00 %

CAS-No. 6032-29-7
Symbol(s) Xn

Index-No. 603-006-00-7
R-phrase(s) -R10 -R20 -R37 -R66

EG-Nr.: 227-907-6

For the full text of the R phrases mentioned in this Section, see Section 16.

Material Safety Data Sheet

Sascol™ 95

Version 1.03

Revision Date 22.03.2006



3. Hazards identification

Identification of the risks

R35 Causes severe burns.

4. First aid measures

General advice	In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
Inhalation	Move to fresh air in case of accidental inhalation of vapours. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.
Skin contact	Take off contaminated clothing and shoes immediately. Wash off immediately with soap and plenty of water. Call a physician immediately.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Protect unharmed eye. Call a physician immediately.
Ingestion	If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting.

5. Fire-fighting measures

Suitable extinguishing media	water spray, dry powder, foam, carbon dioxide (CO ₂)
Specific hazards during fire fighting	Do not allow run-off from fire fighting to enter drains or water courses.
Special protective equipment for fire-fighters	Wear self-contained breathing apparatus and protective suit.
Further information	In the event of fire, cool tanks with water spray.

6. Accidental release measures

Personal precautions	Use personal protective equipment. Do not breathe vapours or spray mist.
Environmental precautions	Do not flush into surface water or sanitary sewer system.
Methods for cleaning up	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Material Safety Data Sheet

Sascol™ 95

Version 1.03

Revision Date 22.03.2006



Additional advice Never return spills in original containers for re-use.

7. Handling and storage

Handling

Safe handling advice Wear personal protective equipment. Do not breathe vapours or spray mist. Avoid contact with skin and eyes.

Advice on protection against fire and explosion Provide sufficient air exchange and/or exhaust in work rooms. Keep away from open flames, hot surfaces and sources of ignition.

Storage

Requirements for storage areas and containers Keep containers tightly closed in a dry, cool and well-ventilated place.

8. Exposure controls / personal protection

Components with workplace control parameters

NATIONAL OCCUPATIONAL EXPOSURE LIMITS

EUROPEAN OCCUPATIONAL EXPOSURE LIMITS

Contains no substances with occupational exposure limit values.

Engineering measures

Provide sufficient air exchange and/or exhaust in work rooms.

Personal protective equipment

Respiratory protection In case of insufficient ventilation wear suitable respiratory equipment.

Hand protection polyvinylchloride

Eye protection tightly fitting safety goggles

Skin and body protection protective suit, safety shoes

Hygiene measures Wash hands before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practice.

Protective measures Do not breathe vapours or spray mist. Avoid contact with the skin and the eyes. Wear suitable protective equipment.

Material Safety Data Sheet

Sascol™ 95

Version 1.03

Revision Date 22.03.2006



9. Physical and chemical properties

Form	liquid
state of matter	liquid; at 1,013 hPa
Colour	light yellow
Odour	sulphurous
pH	> 11
Melting point/range	-18 °C
Boiling point/range	112 °C
Flash point	88 °C
Autoignition temperature	no data available
Lower explosion limit	not applicable
Upper explosion limit	not applicable
Vapour pressure	21.2 hPa; 20 °C
Density	1.1 g/cm ³ ; 20 °C
Bulk density	1.1 kg/m ³
Water solubility	completely soluble, completely miscible
Partition coefficient (n-octanol/water)	no data available
Solubility in other solvents	Medium: Diethylether; completely soluble
Viscosity, kinematic	5.36 mm ² /s; 40 °C
Relative vapour density	no data available

10. Stability and reactivity

Hazardous decomposition products	Stable under normal conditions.
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11. Toxicological information

Acute oral toxicity	n-Pentanol: LD50 rat: 370 mg/kg; literature value n-Pentanol: LD50 mouse: 200 mg/kg; literature value
Acute inhalation toxicity	n-Pentanol: LCLo rat: 14,000 mg/m ³ ; literature value; 6 h
Acute dermal toxicity	n-Pentanol:

Material Safety Data Sheet

Sascol™ 95

Version 1.03

Revision Date 22.03.2006



LDLo rabbit: 4,490 mg/kg; literature value

12. Ecological information

Ecotoxicity effects

13. Disposal considerations

Product	Dispose of in accordance with local regulations.
Contaminated packaging	Store containers and offer for recycling of material when in accordance with the local regulations.

14. Transport information

ADR	UN-No: 1719; Class: 8; Packaging group: III; C5; Description of the goods: CAUSTIC ALKALI LIQUID, N.O.S. (Sodium Hydroxide)
RID	UN-No: 1719; Class: 8; Packaging group: III; C5; Description of the goods: CAUSTIC ALKALI LIQUID, N.O.S. (Sodium Hydroxide)
ADNR	UN-No: 1719; Class: 8; Packaging group: III; C5; Description of the goods: CAUSTIC ALKALI LIQUID, N.O.S. (Sodium Hydroxide)
IMDG	UN-No: 1719; Class: 8; EmS: F-A, S-B; Packaging group: III; Description of the goods: CAUSTIC ALKALI LIQUID, N.O.S. (Sodium Hydroxide)
ICAO/IATA	UN-No : 1719; Class: 8; Packaging group: III; Description of the goods: Caustic alkali liquid, n.o.s. (Sodium Hydroxide)

15. Regulatory information

Labelling



Print Date 22.03.2006

10000002133

5/7



Material Safety Data Sheet

Sascol™ 95

Version 1.03

Revision Date 22.03.2006

Regulatory base	1999/45/EC
Symbol(s)	C: Corrosive
R-phrase(s)	R35: Causes severe burns.
S-phrase(s)	S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. 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). S60: This material and its container must be disposed of as hazardous waste.
Hazardous components which must be listed on the label	sodium hydroxide; caustic soda

16. Other information

Full text of R-phrases referred to under sections 2 and 3:

R10	Flammable.
R20	Harmful by inhalation.
R22	Harmful if swallowed.
R35	Causes severe burns.
R37	Irritating to respiratory system.
R37/38	Irritating to respiratory system and skin.
R41	Risk of serious damage to eyes.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

This MSDS summarises at the date of issue our best knowledge of the health, safety and environmental hazard information related to the product, and in particular how to safely handle, use, store and transport the product in the workplace. Since we cannot anticipate or control conditions under which the product may be handled, used, stored or transported, each user must, prior to usage, review this MSDS in the context of how the user intends to handle, use, store or transport the product in the workplace and beyond, and communicate such information to all relevant parties. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

We shall not assume any liability for the accuracy or completeness of the information contained herein or any advice given unless there has been gross negligence on our part. In such event our liability shall be limited only to direct damages suffered. Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request. All risk associated with the possession and application of the product passes on delivery.

*The MSDS was created by:
The MSDS was approved by:*

Print Date 22.03.2006

10000002133

6/7

Material Safety Data Sheet

Sascol™ 95

Version 1.03

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