SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

Product name: **Ascarite II CO2 Scrubbing Reagent, 1.4 to 2.4mm, OEA**

Catalogue no: R41035

SDS reference no: R41010

Brand: OEA Labs

EC index no(s): 011-002-00-6

REACH no: The annual tonnage does not require registration.

CAS no(s): Na(OH) [1310-73-2]

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

Identified uses: Elemental analysis scientific instrumentation. Not for pharmaceutical, domestic or other uses.

1.3 Details of the supplier of the safety data sheet

Company name: OEA Laboratories Limited
Unit C2 Florence Road Business Park
Kelly Bray, Callington, Cornwall
PL17 8EX, United Kingdom

Telephone: +44 (0)1579 384174

Fax: +44 (0)1579 384174

Email: sales@oealabs.com

1.4 Emergency telephone number

Telephone: +44 (0)1579 384174, +44 (0) 1579 350212, +44 (0) 7811 102906

SECTION 2. Hazards identification

2.1 Classification of the substance or mixture according to Regulation (EC) No 1272/2008

Skin corrosion/irritation (Category 1A, B, C), H314

Corrosive to metals (Category 1), H290

2.2 Labelling elements according to Regulation (EC) No 1272/2008

Pictogram(s):

GHS05 GHS05

Signal word: Danger

Hazard statement(s):

H314	Causes severe skin burns and eye damage.
H290	May be corrosive to metals.

Precautionary statement(s):

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331	If swallowed: rinse mouth. Do NOT induce vomiting.
P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P309+P311	IF exposed or if you feel unwell: Call a poison centre or doctor/physician.

Restricted to professional users.

2.2 Other hazards

None

SECTION 3. Composition/information of ingredients

3.1 Substances

Synonyms:

Formula: NaOH on mineral support

Molecular weight: 40 g/mol (NaOH)

Components:

Sodium Hydroxide Concentration: >50%

CAS No 1310-73-2, EC No 215-185-5, Index No 011-002-00-6, H314, Skin corrosion/irritation, Category 1A, B, C; H290, Corrosive to metals, Category 1;

SECTION 4. First aid measures

4.1 Description of first aid measures

General advice:

Immediately call a poison center or doctor/physician. Show this safety data sheet to the doctor in attendance. If unconscious place in recovery postion and seek medical advice. Never give anything by mouth to an unconscious person or person with cramps. Change contaminated or saturated clothing. Do not leave affected person unattended.

If Inhaled:

If breathed in, move person into fresh air. If breathing is irregular or stopped, give artificial respiration. Consult a poison centre or doctor/physician.

In case of skin contact:

Wash immediately with plenty of soap and water. Remove contaminated or saturated clothing. Immediate medical treatment required because untreated corrosive injuries are difficult to cure.

In case of eye contact:

Flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Consult an ophthalmologist. Protect uninjured eye from contamination. Remove contact lenses if present and easy to do so. Continue rinsing.

If swallowed:

Immediately call a poison center or doctor/physician. Do not induce vomiting. Rinse mouth thoroughly with water. Give nothing to eat or drink.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5. Firefighting measures

5.1 Extinquishing media

Suitable extinquishing media:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arrising from the substance or mixture

Do not allow to enter into soil/subsoil. Do not allow to enter surface water or drains.

5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

5.4 Further information

No data available.

SECTION 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

SECTION 7. Handling and storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

7.3 Specific end uses

No data available.

SECTION 8. Exposure controls/personal protection

8.1 Control parameters

Components with workplace control parameters:

Sodium Hydroxide

CAS No 1310-73-2, STEL, 2mg/m3, UK, EH40 WEL;

8.2 Exposure controls

Appropriate engineering controls:

Personal protective equipment:

Eye/face protection:

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection:

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Body protection:

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection:

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Environmental protection:

No data available.

SECTION 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form:	Granules
Colour:	Brown
Odour:	No data available.
Odour threshold:	No data available.
pH:	14 at 100g/l at 20'C.
Melting point:	~318'C partial
Boiling point:	~1390'C partial
Flash point:	No data available.
Flammability solid/gas:	No data available.
Upper/lower flammability or explosive limits:	No data available.
Water solubility:	Partially soluble.
Autoignition temp:	No data available.
Decomp temperature:	No data available.
Explosive properties:	No data available.
Oxidising properties:	No data available.

9.2 Other safety information

No data available.

SECTION 10. Stability and reactivity

10.1 Reactivity

No data available.

10.2 Chemical stability

Stable under standard ambient conditions.

10.3 Possibility of hazardous reactions

Formation of potentially explosive mixtures with base metals. Hydrogen formation with light metals. Violent reaction with strong acids & oxidising agents.

10.4 Conditions to avoid

No data available.

10.5 Incompatible materials

Organo metallic compounds

10.6 Hazardous decompostion products

No data available.

SECTION 11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity:
No data available.

Skin corrosion/irritation:
Skin - rabbit - causes severe burns - 24hrs

Serious eye damage/eye irritation:
Eyes - rabbit - corrosive - 24hrs

Respiratory or skin sensitisation:
Will not occur.

Germ cell mutagenicity:
No indication of human germ cell mutagenicity exists.

Carcinogenicity:
No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity:
No indications of human reproductive toxicity exists.

Specific target organ toxicity - single exposure:
No data available.

Specific target organ toxicity - repeated exposure:
No data available.

Aspiration hazard:
No data available.

Potential health effects - inhalation:
No data available.

Potential health effects - ingestion:
No data available.

Potential health effects - skin:
No data available.

Potential health effects - eyes:
No data available.

Signs and symptoms of exposure:
Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes and skin.

Additional information:
RTECS: WB4900000

SECTION 12. Ecological information

12.1 Toxicity

Toxicity to fish:	LC50 - Gambusia affinis (Mosquito fish) - 125 mg/l - 96h (NaOH) LC50 - Oncorhynchus mykiss (rainbow trout) - 45.4 mg/l - 96 h (NaOH)
Toxicity to daphnia and other aquatic invertibrates:	Immobilization EC50 - Daphnia (water flea) - 40.38 mg/l - 48 h (NaOH)
Toxicity to algae:	No data available.
Toxicity to bacteria:	No data available.

12.2 Persistance and degradability
The methods for determining the biological degradability are not applicable to inorganic substances.▯.A

12.3 Bioaccumulative potential
No data available.

12.4 Mobility in soil
No data available.

12.5 Results of PBT and vPvB assessment
PBT/vPvB assessment not available as chemical safety assessment not required/not conductedubstan

12.6 Other adverse effects
Harmful to aquatic life.

SECTION 13. Disposal considerations

13.1 Waste treatment methods

Product:
Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging:
Dispose of as unused product.

SECTION 14. Transport information

14.1 UN number

ADR/RID/IATA/IMDG: UN1823

14.2 UN proper shipping name

ADR/RID/IATA/IMDG: CORROSIVE SOLID, BASIC, INORGANIC, N.O.S.

14.3 Transport hazard class(es)

ADR/RID/IATA/IMDG: 8

14.4 Packaging group

ADR/RID/IATA/IMDG: II

14.5 Environmental hazards

ADR/RID/IATA/IMDG:

14.6 Special precautions for user

14.7 Shipping quantities

ADR LQ maximum:	1kg
ADR EQ code:	E2
ADR EQ IP/pkg:	30gm pkg to 500gm
IATA LQ PInstruction:	Y844
IATA LQ IP/pkg:	0.5kg (plastic) to 5kg
IATA EQ code:	E2
IATA EQ IP/pkg:	30gm pkg to 500gm
De minimus:	

SECTION 15. Regulatory information

This safety data sheet complies with the requirements of Regulation (EC) No 1907/2006

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Dispose of as unused product.

15.2 Chemical safety assessment

A Chemical Safety Assessment has been carried out for this substance.

SECTION 16 Other information

The above information is believed to be correct but does not proport to be all inclusive and shall be used as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety pecautions. It does not represent any guarantee of the properties of the product. OEA Laboratories Limited shall not be held liable for any damage resulting from the handling or contact with the above product. See www.oealabs.com for terms and conditions of sale.