

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

1.1. Product identifier

Product form : Mixture
 Product name : **Scrubber Granules with Indicator**
 Product code : **GX0-SC245**
 Other means of identification : Soda Lime

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

Use of the substance/mixture : Laboratory, scientific research and development

1.3. Details of the supplier of the safety data sheet

ADS Biotec, Inc.
 7409 Irvington Road
 Omaha, NE 68122 – USA
support@adsbiotec.com

1.4. Emergency telephone number

Emergency Contact Number : USA: 1-800-255-3924 (CHEMTEL 24hr); International: +1-813-248-0585 (CHEMTEL 24hr)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Not classified

For full text of the H-statements mentioned in this section, see section 16.

2.2. Label elements

GHS-US labeling

Not classified

2.3. Other hazards

Other hazards not contributing to the classification : Store away from air, water and moisture. Segregate for acids and other oxidizing agents.

2.4. Unknown acute toxicity (GHS-US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

Full text of H-phrases: see section 16

3.2. Mixture

Name	Product identifier	%	GHS-US classification
Soda Lime	(CAS No.): 8006-28-8	~ 80 %	Not classified
Water	(CAS No.): 1310-73-2	~ 15 %	Not Classified
Sodium hydroxide	(CAS No.): 1310-73-2	2 - 3.5 %	Not classified
Potassium hydroxide	(CAS No.): 1310-58-3	< 0.1 %	Not classified
Indicator	(CAS No.): 2390-59-2	-	Not classified

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
 First-aid measures after inhalation : Remove to fresh air, keep the patient warm and at rest. If symptoms develop obtain medical attention.

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First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If symptoms develop obtain medical attention.
First-aid measures after eye contact	: Rinse immediately with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms develop obtain medical attention.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Give 100 - 200 ml of water or milk to drink. If symptoms develop call physician and obtain medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries	: The most important known symptoms and effects are described in 2.2 or section 11.
Symptoms/injuries after ingestion	: Ingestion may cause nausea, vomiting and diarrhea.

4.3. Indication of any immediate medical attention and special treatment needed

Immediately call a POISON CENTER or physician.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Product is not flammable, use fire-fighting measures that suit the surrounding fire.
Unsuitable extinguishing media	: None.

5.2. Special hazards arising from the substance or mixture

Explosion hazard	: On exposure to high temperature, may decompose, releasing explosive vapours.
Reactivity	: Hydrogen chloride gas, sodium oxides..

5.3. Advice for firefighters

Firefighting instructions	: If involved in a fire, the following may be released: calcium oxide, sodium oxide, potassium oxide. Exercise caution when fighting any chemical fire. Avoid fire-fighting water entering the environment.
Protection during firefighting	: Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Wear protective gloves and eye protection. Ensure adequate ventilation.
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6.1.1. For non-emergency personnel

Emergency procedures	: Evacuate unnecessary personnel.
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6.1.2. For emergency responders

Protective equipment	: Wear suitable protective clothing and eye or face protection.
Emergency procedures	: Avoid contact with eyes, skin and clothing. Ensure adequate ventilation.

6.2. Environmental precautions

Not normally required.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	: Use neutralizing agent. Dispose of contaminated material as waste according to local regulations. Ensure adequate ventilation.
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6.4. Reference to other sections

SECTION 8: Exposure controls/personal protection. SECTION 13: Disposal considerations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Handle under dry protective gas. Keep in tightly sealed container. Store in a cool dry place. Avoid contact with skin, eyes and clothing.
Hygiene measures	: Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Store away from air, water and moisture. Segregate from acids and other oxidizers. This product is hygroscopic, air sensitive, keep container tightly closed. Protect from humidity and water.
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7.3. Specific end use(s)

A scrubbing agent with indicator used to remove acids vapours and other gases from instruments used in professional diagnostic or research laboratories.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No data available

8.2. Exposure controls

Appropriate engineering controls	: Ensure adequate ventilation.
Hand protection	: Wear chemically resistant protective gloves.
Eye protection	: Safety glasses with face shield. Avopid
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: Not required under normal use.
Thermal hazard protection	: Not required for normal conditions of use.
Environmental exposure controls	: Not normally required.
Other information	: Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Granules
Color	: White to gray .
Odor	: odorless.
Odor threshold	: No data available
pH	: Not data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Self ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: Not applicable
Relative vapour density at 20 °C	: Not applicable
Relative density	: Not applicable
Solubility	: Not applicable
Log Pow	: 0
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

Stable under recommended conditions.

10.3. Possibility of hazardous reactions

Reacts with strong oxidizing agents.

10.4. Conditions to avoid

No further information available.

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10.5. Incompatible materials

Acids, air, water/moisture, oxidizing reagents.

10.6. Hazardous decomposition products

Calcium oxide, potassium oxide and sodium oxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Swallowing will lead to a strong corrosive effect on the mouth and throat and to the danger of perforation of the esophagus and stomach.
Skin corrosion/irritation	: Causes severe burns and eye damage. Do NOT breathe dust, fumes or mist. Wash arms, hands, face thoroughly after handling. Wear protective gloves and eye protection. When using this product. Avoid release to the environment. Wear protective gloves and eye protection. IF SWALLOWED: rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): take off immediately all contaminated clothing. Rinse skin with water. IF INHALED: remove person to fresh air and keep comfortable for breathing. IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Call a POISON CENTER or physician. Specific treatment (wash areas of contact with water). Wash contaminated clothing before reuse. Absorb spillage to prevent damage.
Serious eye damage/irritation	: Causes severe skin burns and serious eye damage.
Respiratory or skin sensitisation	: No sensitizing effects known.
Germ cell mutagenicity	: No effects known. Based on available data, the classification criteria are not met
Carcinogenicity	: No classification
Reproductive toxicity	: No effects known. Based on available data, the classification criteria are not met
Specific target organ toxicity (single exposure)	: No effects known.
Specific target organ toxicity (repeated exposure)	: Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified Based on available data, the classification criteria are not met
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.
Symptoms/injuries after ingestion	: Ingestion may cause nausea, vomiting and diarrhea.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : No information available.

12.2. Persistence and degradability

Scrubber Granules

Persistence and degradability	No information available.
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12.3. Bioaccumulative potential

Scrubber Granules

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Bioaccumulative potential	No information available.

12.4. Mobility in soil

Scrubber Granules

Ecology - soil	No information available.
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12.5. Other adverse effects

Other information : No information available.

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

- Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.
- Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

14.1 DOT (USA)

- In accordance with DOT
Not a dangerous good in sense of transport regulations

14.2 Transportation by Air (IATA)

- In accordance with IATA
Not a dangerous good in sense of transport regulations

14.3 Transportation by Sea

- In accordance with IMDG
Not a dangerous good in sense of transport regulations

14.4 Additional Information

The Sodium Hydroxide content falls below the 4% threshold, as defined by hazardous material regulations, that would require this product to be considered hazardous for transportation.

SECTION 15: Regulatory information

15.1. US Federal regulations

No additional information available.

15.2. International regulations

CANADA

No additional information available

15.2.2. National regulations

No additional information available

15.3. US State regulations

No additional information available

15.4. International regulations

CANADA

Domestic Substances Act (DSL/NDSL)
CAS # Soda Lime (8006-28-8): No additional information available

EUROPE

European Inventory of Existing Commercial Chemical Substances (EINECS)
European List of Notified Chemical Substances (ELINCS) and No Longer Polymers (NLP)
No additional information available
information available

SECTION 16: Other information

- Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
- Abbreviations and acronyms : ADR (Accord européen relatif au transport international des marchandises Dangereuses par Route). CAS (Chemical Abstracts Service) number. IARC (International Agency for Research on Cancer). IATA (International Air Transport Association). IMDG (International Maritime Dangerous Goods Code). RID (Règlement concernant le transport international ferroviaire de marchandises).
- Other information : None.

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NCEC SDS US GHS (Hazcom 2012)

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