



# SAFETY DATA SHEET

## Section 1. Identification

**GHS product identifier** : Anti Bacterial Life Hand cleaner (NRCS Registration: ACT 5GNR529/283060/040/0859)  
Formula AD  
**Product type** : Liquid.

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

#### Identified uses

Antibacterial Liquid detergent for washing hands.

## Section 2. Hazards identification

**Classification of the mixture** : Non Hazardous **substance or mixture**

### SANS 10234: 2007 (GHS) label elements

**Signal word** : Warning  
**Hazard statements** : Causes eye irritation.

#### Precautionary statements

**General** : Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.  
**Prevention** : Avoid release to the environment. Wash hands thoroughly after handling.  
**Response** : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.  
**Storage** : Not applicable.  
**Disposal** : Dispose of contents and container in accordance with all local, regional, national and international regulations.

**Other hazards which do not result in classification** : None identified.

## Section 3. Composition/information on ingredients

**Substance/mixture** : Mixture

### CAS number/other identifiers

Ingredient name	%	CAS number
Alcohols, C10-16, ethoxylated, sulfates, sodium salts	1-10	68585-34-2
Amides, coco, N,N-bis(hydroxyethyl) sodium dodecyl sulphate	1-10	68603-42-9
	1-10	151-21-3
Active ingredient: Benzalkonium chloride (BAC50)	2-8%	



### Section 3. Composition/information on ingredients

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

### Section 4. First aid measures

#### Description of necessary first aid measures

**Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

**Inhalation** : No side effect.

**Skin contact** : Rinse with Water

**Ingestion** : Wash out mouth with water. Remove dentures if any

#### Most important symptoms/effects, acute and delayed

##### Potential acute health effects

**Eye contact** : Causes eye irritation.

**Inhalation** : No known significant effects or critical hazards

**Skin contact** : No known significant effects or critical hazards.

**Ingestion** : May be irritating to mouth, throat and stomach. **Over-exposure**

##### signs/symptoms

**Eye contact** : Adverse symptoms may include the following:  
irritation  
watering  
redness

**Inhalation** : No specific data. :

**Skin contact** No specific data. :

**Ingestion** No specific data.

#### Indication of immediate medical attention and special treatment needed, if necessary

**Notes to physician** : No known significant effects or critical hazards  
: No specific treatment.

##### **Specific treatments**

**Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)



## Section 5. Fire-fighting measures

- Extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Suitable extinguishing media** : None known.
- Unsuitable extinguishing media** : In a fire or if heated, a pressure increase will occur and the container may burst.
- Specific hazards arising from the chemical** : Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides sulfur oxides halogenated compounds metal oxide/oxides
- Hazardous thermal decomposition products** : No special measures are required.
- Special protective actions for fire-fighters** : No special protection is required.
- Special protective equipment for fire-fighters** :

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

- For non-emergency** : Put on appropriate personal protective equipment. **personnel**
- For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.
- Methods and materials for containment and cleaning up**
- Small spill** : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
- Large spill** : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with noncombustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Note: see section 1 for emergency contact information and section 13 for waste disposal.



## Section 7. Handling and storage

**Precautions for safe handling** : Avoid release to the environment. Keep in the original container or an approved **handling** alternative made from a compatible material, kept tightly closed when not in use. Do not reuse container.

**Conditions for safe storage, including any incompatibilities** : Store between the following temperatures: 10 to 40°C (50 to 104°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

None.

**Recommended monitoring procedures** : No special measures are required.

**Appropriate engineering controls** : No special ventilation requirements.

**Environmental exposure controls** : No special measures are required.

### Individual protection measures

**Hygiene measures** : No special measures required.

**Eye/face protection** : No special protection is required.

#### Skin protection

**Hand protection** : No special protection is required.

**Body protection** : No special protection is required.

**Other skin protection** : No special protection is required.

**Respiratory protection** : No special protection is required.

## Section 9. Physical and chemical properties

**Appearance** : Characteristic .

**Physical state** : No data available.

**Color** : 7 to 8

**Odor Odor threshold pH** : -20°C (-4°F)

**Melting point** : 220°C (428°F)

**Boiling point** : Product does not sustain combustion.

**Flash point** : No data available.

**Burning time** : Not applicable.

**Burning rate** : No data

**Evaporation rate** : No data

**Flammability (solid, gas)** : No data available.

**Lower and upper explosive (flammable) limits Vapor pressure** :

: Liquid. [Thick Viscous liquid.]

: CLEAR . No

## Section 9. Physical and chemical properties

Vapor density	: No data available.
Relative density	: 1
Solubility	: Easily soluble in the following materials: cold water and hot water.
Partition coefficient: noctanol/water	: No data available.
Auto-ignition temperature	: No data available.
Decomposition temperature	:
SADT	: No data available.
Viscosity	: No data available.

## Section 10. Stability and reactivity

Reactivity	: The product is stable.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: No specific data.
Incompatible materials	: No specific data.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
sodium dodecyl sulphate	LD50 Oral	Rat	1288 mg/kg	-

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Amides, coco, N,Nbis(hydroxyethyl)	Eyes - Severe irritant	Rabbit	-	100 microliters	-
	Skin - Moderate irritant	Rabbit	-	300 microliters	-
sodium dodecyl sulphate	Eyes - Mild irritant	Rabbit	-	250 Micrograms	-
	Eyes - Moderate irritant	Rabbit	-	24 hours 100 milligrams	-
	Eyes - Moderate irritant	Rabbit	-	10 milligrams	-



	Skin - Mild irritant	Dog	-	24 hours 25 milligrams	-
	Skin - Mild irritant	Guinea pig	-	24 hours 25 milligrams	-
	Skin - Mild irritant	Human	-	2 hours 2 Percent	-
	Skin - Mild irritant	Human	-	504 hours 0.3 Percent	-
	Skin - Mild irritant	Human	-	24 hours 0.06 Percent	-

**Section 11. Toxicological information**

	Skin - Mild irritant	Human	-	22 hours 10 Percent	-
	Skin - Mild irritant	Human	-	47 hours 0.5 Percent	-
	Skin - Mild irritant	Human	-	18 hours 2 Percent	-
	Skin - Moderate irritant	Human	-	48 hours 3 Percent	-
	Skin - Moderate irritant	Human	-	24 hours 0.1 Percent	-
	Skin - Moderate irritant	Mouse	-	24 hours 25 milligrams	-
	Skin - Mild irritant	Pig	-	24 hours 25 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 50 milligrams	-
	Skin - Moderate irritant	Rabbit	-	24 hours 25 milligrams	-

**Sensitization**  
No significant risk level

**Mutagenicity**  
No significant risk level

**Carcinogenicity**  
No significant risk level

**Reproductive toxicity**  
No significant risk level

**Teratogenicity**  
No significant risk level

**Specific target organ toxicity (single exposure)**  
No specific data.

**Specific target organ toxicity (repeated exposure)**  
No specific data.



**Aspiration hazard**

No specific data.

**Information on the likely routes of exposure** : Ingestion.

**Potential acute health effects**

**Eye contact** : Causes eye irritation.

**Inhalation** : No specific data.

**Skin contact** : No known significant effects or critical hazards.

**Ingestion** : May be irritating to mouth, throat and stomach.

**Symptoms related to the physical, chemical and toxicological characteristics** *Page: 7/9*

**Section 11. Toxicological information**

**Eye contact** : Adverse symptoms may include the following:  
irritation  
watering  
redness

**Inhalation** : No specific data. :

**Skin contact** : No specific data.

**Ingestion** : No specific data.

**Delayed and immediate effects and also chronic effects from short and long term exposure**

**Short term exposure**

**Potential immediate effects** : No data available.

**Potential delayed effects** : No data available.

**Long term exposure**

**Potential immediate effects** : No data available.

**Potential delayed effects** : No data available.

**Potential chronic health effects**

No data available.

**General** : No known significant effects or critical hazards.

**Carcinogenicity** : No known significant effects or critical hazards.

**Mutagenicity** : No known significant effects or critical hazards.

**Teratogenicity** : No known significant effects or critical hazards.

**Developmental effects** : No known significant effects or critical hazards. **Fertility effects** : No known significant effects or critical hazards.

**Numerical measures of toxicity**

**Acute toxicity estimates** No data available.

**Section 12. Ecological information**

**Toxicity**

Product/ingredient name	Result	Species	Exposure
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Alcohols, C10-16, ethoxylated, sulfates, sodium salts sodium dodecyl sulphate	Acute EC50 3.43 mg/L Fresh water	Crustaceans - Ceriodaphnia dubia - Neonate - <24 hours	48 hours
	EC50 5.55 mg/l LC50 29 mg/l	Daphnia Fish	48 hours 96 hours

#### **Persistence and degradability**

Product/ingredient name	Test	Result	Dose	Inoculum
sodium dodecyl sulphate	-	95 % - Readily - 28 days	-	-

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
sodium dodecyl sulphate	-	-	Readily

#### **Bioaccumulative potential**

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## **Section 12. Ecological information**

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
sodium dodecyl sulphate	1.6	3.9 to 5.3	low

#### **Mobility in soil**

**Soil/water partition coefficient (K<sub>oc</sub>)** : No data available.

**Other adverse effects** : No known significant effects or critical hazards.

## **Section 13. Disposal considerations**

**Disposal method** : The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.





## Section 14. Transport information

	SANS 10228:2012	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-
Transport hazard class(es)	-	-	-
Packing group	-	-	-
Environmental hazards	No.	No.	No.
Special precautions for user	No data available.	No data available.	No data available.
Additional information	-	-	-

Transport in bulk according :  
to Annex II of MARPOL  
73/78 and the IBC Code  
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## Section 15. Regulatory information

Safety, health and environmental regulations specific for the product : No known specific national and/or regional regulations applicable to this product

## Section 16. Other information

### History

▀ Date of printing

Date of issue/Date of revision  
Date of previous issue  
Version

Key to abbreviations

### References

: 05/05/2020.

: \*\*\*.

: No previous issue..

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: ADN/ADNR = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient



MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail  
UN = United Nations

: Supplier Safety Data Sheet. Toxnet.

**Indicates information that has changed from previously issued version.**

**Notice to reader**

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**Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.**