

MATERIAL SAFETY DATA SHEET

ACS 2052

SAFETY DATA SHEET ACCORDING TO ISO 11014-2009/10 UN TRANSPORT OF DANGEROUS CHEMICALS

SECTION 1. COMPONENTS OF THE ACS 2052

Product form	Substance
Trade Name	ACS 2052
CAS NO	26062-79-3
Identification	Cationic quaternary ammonium polymer
Product group	Trade product
Manufacturer	Indlela Consultants (Pty) Ltd 301 66 Sapphire street Witfontein 301/893 Pretoria 0182
Emergency Contact	Robertson Phiri 0823072544 robertsonp@indlelasa.com website: www.indlelasa.com

SECTION 2. HAZARDS IDENTIFICATION

Classification according to Regulation (EC) No. 1272/2008 [CLP]
Not Classified

SECTION 3. HAZARDS IDENTIFICATION

Inhalation	:	0 – Normal material	GHS: No listing	4 : Very toxic.
Skin	:	0 – Normal material	GHS: No listing	3 : Toxic.
Ingestion	:	0 – Normal material	GHS: No listing	2 : Harmful.
Environmental	:	0 – Normal material	GHS: No listing	1 : Slight risk.
				0 : Normal material.

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms that may arise if the product is mishandled are:

1. SWALLOWED: May cause nausea, vomiting and respirator irritation.



INDELELA CONSULTANTS (PTY) Ltd
Solutions that work

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- 2. EYE: May cause eye irritation.
- 3. SKIN: May cause irritation with prolonged contact
- 4. INHALED: May irritate the mucous membranes.

CHRONIC EFFECTS: NO KNOWN EFFECTS.

SECTION 4. FIRST AID MEASURES

SWALLOWED: Drink water, do not induce vomiting. Seek immediate medical attention.

EYE: Immediately flush with copious amount of water for at least 15 minutes. Eyelids to be held open. Seek medical advice.

SKIN: Wash with soap and water. Remove contaminated clothing, wash clothes before reuse. If irritation persists, seek medical advice.

INHALED: Remove to fresh air. Seek medical attention if irritation persists.

SECTION 5. FIRE FIGHTING MEASURES

This product is neither flammable nor explosive.

Where drums of this product are involved in a fire, regular foam, water, or carbon dioxide/dry powder chemical may be used to cool them off until the fire is extinguished.

Contain and collect water. Do not discharge to drains or sewers.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- | | | |
|----------------------|---|--|
| Personal | : | Persons not wearing protective equipment should be excluded from the area. |
| Environmental | : | Prevent run-off to sewers, streams or other bodies of water. |

SECTION 7. HANDLING AND STORAGE



Boots



Protective Apron



Safety Glasses

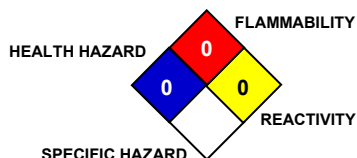


Gloves

- | | | |
|--------------------|---|--|
| Handling | : | Follow all relevant precautions. |
| Ventilation | : | General room ventilation is expected to be satisfactory. |
| Storage | : | Store separately from any reactive substances. |

SECTION 8. EXPOSURE CONTROLS/PERSONAL

- | | | |
|-------------------|---|---|
| Inhalation | : | In case of insufficient ventilation, use suitable respiratory protection. |
| Skin | : | Use barrier cream and impervious gloves. Wear suitable overall. |
| Eyes | : | Use face shield or goggles. Avoid direct contact. |
| Ingestion | : | Observe the rules of hygiene. Wash before eating or drinking. |
- Appropriate hand protection and protective clothing must always be used.**



NFPA LISTINGS

Most Hazardous: Nil

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	:	Liquid
Appearance	:	Liquid.
Colour	:	Clear to pale yellow.
Odour	:	Characteristic odour. Mild odour.
Odour threshold	:	No data available
pH	:	No data available
Relative evaporation rate (butylacetate=1)	:	No data available
Melting point	:	Not applicable
Freezing point	:	No data available
Boiling point	:	> 100 °C
Flash point	:	> 100 °C
Auto-ignition temperature	:	No data available
Decomposition temperature	:	> 300 °C
Flammability (solid, gas)	:	Not applicable
Vapour pressure	:	No data available
Relative vapour density at 20 °C	:	No data available
Relative density	:	No data available
Density	:	1.04-1.05 kg/l
Solubility	:	Soluble in water. Water: soluble
Log Pow	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	>200 cps
Explosive properties	:	No data available
Oxidising properties	:	No data available
Explosive limits	:	No data available

SECTION 10. STABILITY AND REACTIVITY

Stable under normal conditions	:	Yes	Will react with oxidizers	:	Yes
Reaction with water	:	Soluble	Decomposition Products	:	Noxious fumes.
Conditions to avoid	:	Strong oxidants.			

SECTION 11. TOXICOLOGICAL INFORMATION. MAJOR TOXICOLOGICAL COMPONENT

Acute Toxicity (Formulation) LD 50	:	Greater than 2000 mg/kg	GHS: No listing.
Sensitisation	:	Yes	Inhalation – Ceiling – TWA : No data ppm GHS: No listing.
Skin : Rabbit	:	LC 50 : Irritant	Ingestion (Formulation MTC) : Greater than 2000 mg/kg
GHS: No listing.			

SECTION 12. ECOLOGICAL INFORMATION. MAJOR TOXICOLOGICAL COMPONENT

Relatively non toxic

Mobility	:	
Bio-Accumulation:		
Ecotoxicity	:	GHS: No listing.
LC 50	:	250 mg/l (50 hrs.) Daphnia Magna
LC 50	:	250 mg/l (96 hrs.) Mosquito fish
LC 50	:	mg/l (96 hrs.) Salmo Gairdneri

SECTION 13. DISPOSAL INFORMATION

Use reputable/A credited/certified waste disposal contractors. Exercise caution in disposal of used containers.

SECTION 14. TRANSPORT INFORMATION

UN-No. (ADR)	:	Not applicable
UN-No. (IMDG)	:	Not applicable
UN-No. (IATA)	:	Not applicable
Proper Shipping Name (ADR)	:	Not Regulated
Proper Shipping Name (IMDG)	:	Not applicable
Proper Shipping Name (IATA)	:	Not applicable

SECTION 15. REGULATORY INFORMATION

Non Hazardous

SECTION 16. OTHER INFORMATION

Any discomfort, always seek medical advice. All chemical products may be hazardous, therefore wear protective equipment and do not reuse container for any purpose whatsoever.

Refer Emergency Response Handbook – Nil

The information, provided in this Safety Data Sheet, is to the best of our knowledge, correct as of the date of publication. The information is designed only as a guide for safe handling, use, storage, transportation, disposal and release.

If serious risk is incurred please contact: Poisons Emergency Control Phone: RSA 082911.