



Issue Date: 25-Nov-2019 v.1

Symptoms from eye contact

Special Treatment/medical attention

1. Identification

1.1. Product Identifier	
Product form	Liquid mixture
Product Name	Azo
1.2 Identified Uses	
Recommended Use	Seed or Soil Inoculant
1.3 Supplier of the SDS	
Dakota Bio	
102 E Bailie St	
Kentland, IN 47951	
Tel. 833-325-6822	
Email <u>info@dakotabio.com</u>	
2. Hazards Identification	
2.1 Classification of the mixture	Not Classified
2.2 Labeling Elements	Not applicable
2.3 Other hazards	Not available
2.4 Unknown acute toxicity	Not applicable
3. Composition on ingredients	
3.1 Substance	Liquid
3.2 Mixture of ingredient	
Mixture Active Ingredient	Azosprillum Brasiliense bacterium
4. First Aid	
4.1 Description of First Aid	
First Aid General	If you feel sick, seek medical assistance
First Aid Inhalation	Breath fresh air, rest
First Aid Skin contact	Wash exposed skin with soap and water
First Aid Eye contact	Rinse immediately, seek medical attention if
	irritation persists.
First Aid ingestion	Rinse mouth, give water, do not induce vomiting
4.2 Symptoms and effects: acute and delayed	vormeing
Symptoms	No expected hazard under normal use.
- 1 · · · · · · · · · · · · · · · · · ·	Dakota Bio uses non pathogenic organisms
	that are considered to be non-allergenic,

and non-irritating.

May cause irritation

Treat symptomatically





5. Firefighting Measures

5.1 Extinguishing Media	
Suitable extinguishing media	Foam, Dry Powder, Carbon dioxide, Water spray,
	Sand.
Unsuitable extinguishing media	Heavy water stream
5.2 Special Hazards	
Fire Hazard	None known
Explosion Hazard	None known
Reactivity	Thermal decomposition, Carbon monoxide, Carbon
	Dioxide, Hydrocarbons
5.3 Advice for Firefighters	
Firefighting instructions	Use water spray or fog for cooling containers
Protective equipment for firefighters	Full protective gear as in any fire

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and eme	ergency procedures
6.1.1 Non-emergency personnel	
Emergency procedures	Stop source of leak or contamination
6.1.2 Emergency responders	
Protective equipment	Equip cleanup crew with proper protection
Emergency procedure	Ventilate the area
6.2Environmental precautions	None
6.3 Methods and material for contaminant cleanup	
Methods	Soak up spills with inert solids, collect spillage,
	Store away from other chemicals, dispose according
	local regulation.
6.4 Reference to other sections	No additional information
7. Handling and Storage	
7.1 Precautions for safe handling	
Precautions	Wash exposed areas with mild soap and water
	before eating. Avoid contact with skin, eyes, and
	clothing.
Hygiene measures	Handle with good industrial hygiene and safety
	practices. Wash hands after handling.





7.2 Conditions for safe storage, including any incompatibilities

Storage conditions	Keep in original container, cool, well ventilated away
	from direct sunlight away from extreme high and
	low temperatures. Keep container closed when not
	in use. Do not freeze.
Incompatible materials	Acids, Bases, Oxidizing agents, Reducing agents,
	Disinfectants, fungicides, and biocides.
Storage Temperature	4-12° C (39-54° F)

7.3 Specific uses

No additional information

8. Exposure controls/personal protection

8.1 Control parameters

No additional information available

8.2 Exposure controls

Appropriate engineering controls	Ensure adequate ventilation, emergency
	fountains, safety showers eye wash
Personal protective equipment	Avoid unnecessary exposure. Protective
	goggles, clothing and gloves.
Hand Protection	Protective gloves.
Eye Protection	Chemical or safety goggles
Skin and body protection	Wear suitable protective clothing.
Respiratory protection	Use approved respiratory protection
Other information	Do not eat, drink, or smoke during use.

9. Physical and Chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Opaque Liquid
Color	Opaque Liquid
Odor	Slight fermentation odor
рН	6.5-7.4
Relative evaporation rate	Not available
Melting point	Not available
Freezing point	4 C (25 F)
Boiling point	Not available
Flash point	Not available
Auto ignition temperature	Not applicable
Decomposition temperature	Not available

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9.1 Continued - Information on basic physical and chemical properties

Flammability (solid, gas)	Not applicable
Vapor pressure	Not available
Relative vapor density at 20C	Not available
Relative Density	Not available
Solubility	Not available
Log Pow	Not available
Log Kow	Not available
Viscosity, kinematic	Not available
Viscosity dynamic	Not available
Explosive properties	Not available
Oxidizing properties	Not available
Explosive limits	Not available

9.2 Other information

Not available

10. Stability and reactivity

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10.1 Reactivity	Stable
10.2 Chemical stability	Stable
10.3 Possibility of hazardous reactions	Hazardous polymerization will not occur
10.4 Conditions to avoid	Direct sunlight, extreme temperatures, heat
10.5 Incompatible materials	Acids, Bases, oxidizing agents, reducing
	agents, disinfectants, fungicides, biocides
10.6 Hazardous decomposition products	Thermal decomposition generates: Carbon
	dioxide, hydrocarbons

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity	Not classified
Skin corrosion/irritation	Not classified
Serious eye damage/irritation	Not classified
Respiratory or skin sensitization	Not classified
Germ cell mutation	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Not classified
Target organ toxicity (single exposure)	Not classified
Target organ toxicity (repeat exposure)	Not classified
Aspiration hazard	Not classified
Symptoms/injuries after eye contact	May cause irritation

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12. Ecological information

12.1 Toxicity	No additional information available
12.2 Persistence and degradability	No additional information available
12.3 Bio accumulative potential	Not established
12.4 Mobility in soil	No additional information available
12.5 Other adverse effects	
Effects on Ozone	None
Effect on global warming	None
Other	None
13. Disposal consideration	
13.1 Waste treatment methods	
Waste disposal recommendations	Dispose in safe manner in accordance with
	local regulations.
11 Transmort information	

14. Transport information

15. Regulatory information

15.1 National regulations

16. Other Information

NFPA health hazard	1 – Exposure could cause irritation but only
	minor injury if no treatment is given
NFPA fire hazard	0 – Materials will not burn
NFPA reactivity	0 – Stable, even under fire conditions, not
	reactive with water.

This material is not considered hazardous

Information and recommendations listed herein are presented in good faith and believed to be correct as of the date hereof. Dakota Bio or any of its subsidiaries makes no representations as to the completeness or accuracy thereof.