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Issue Date: 25-Nov-2019 v.1

## 1. Identification

### 1.1. Product Identifier

Product form Liquid  
Product Name Soy30 and Soy 7

### 1.2 Identified Uses

Recommended Use Soybean Inoculant

### 1.3 Supplier of the SDS

Dakota Bio  
102 E Bailie St  
Kentland, IN 47951  
Tel. 833-325-6822  
Email [info@dakotabio.com](mailto:info@dakotabio.com)

## 2. Hazards Identification

2.1 Classification of the mixture Not Classified

2.2 Labeling Elements Not applicable

2.3 Other hazards None

2.4 Unknown acute toxicity None

## 3. Composition on ingredients

3.1 Substance Liquid

### 3.2 Mixture of ingredient

Mixture Active Ingredient Bradyrhizobium Japonicum 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  
First Aid Eye contact Rinse immediately, seek medical attention if irritation persists  
First Aid ingestion Rinse mouth, give water, do not induce vomiting

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## 4.2 Symptoms and effects: acute and delayed

Symptoms	No expected hazard under normal use. Dakota Bio uses non pathogenic organisms that are considered to be non-allergenic, and non-irritating.
Symptoms from eye contact	May cause irritation
Special Treatment/medical attention	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 emergency procedures

#### 6.1.1 Non-emergency personnel

Emergency procedures	Stop leak or cause of release.
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#### 6.1.2 Emergency responders

Protective equipment	Equip cleanup crew with proper protection
Emergency procedure	Ventilate the area

### 6.2 Environmental 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.
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### 6.4 Reference to other sections

No additional information



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## 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 eye wash fountains, safety showers
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
pH	6.5-7.4



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## 9.1 Continued - Information on basic physical and chemical properties

Freezing point	-4 C (25 F)
Boiling point	Not available
Flash point	Not available
Auto ignition temperature	Not applicable
Decomposition temperature	Not available
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

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



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## 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

## 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.
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## 14. Transport information

In accordance with DOT	Not regulated for transport
Additional information	
Other	No supplemental information needed

## 15. Regulatory information

15.1 National regulations	This material is not considered hazardous
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## 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.

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