



Safety Data Sheet

SDS No.:
SDS-IM/FG-K/01

Kinetic

Revision: 0, 1st Issue

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Section 1: Identification of the Hazardous Chemical and of the Supplier

1.1 Product Identifier

Product Name: Kinetic
Trade Name: Kinetic
Active Ingredient: Mixture of surfactants
CAS No.(AI): Not applicable, formulated mixture
Recommended Usage: Bioactivator

1.2 Supplier's Information

Address: Agricultural Chemicals (M) Sdn. Bhd.
962, Lorong Perusahaan 8
Taman Perindustrian Perai
13600 Perai , Pulau Pinang
Malaysia
Tel.: +6-04-3907988
Fax: +6-04-3905703
Web: www.agrichem.com.my
Emergency Phone: +6-04-3907988

Section 2: Hazard Identification

Classification: Skin Irritation, category 2
Eye Irritation, category 2

Pictogram:



Signal Word: Warning

Hazard Statement:

H315: Causes skin irritation.
H319: Causes serious eye irritation.

Precautionary Statement:

P264: Wash face and hands thoroughly after handling.
P280: Wear protective gloves/ eye protection/face protection.
P362: Take off contaminated clothing and wash before reuse.
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313: If skin irritation occurs: Get medical advice/attention.
P337 + P313: If eye irritation persists: Get medical advice/attention.



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Section 3: Composition and Information of the Ingredients of the Hazardous Chemical

Component	CAS No.	Percent, %	Hazard Code
Proprietary blend of polyalkyleneoxide modified polydimethylsiloxane and nonionic surfactant	-	100	H315, H319

*Note: This product contains organosilicone surfactants.

Section 4: First-aid Measures

Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is difficult, give oxygen and get medical advice/attention immediately. No emergency care anticipated.
Skin Contact:	Wash skin thoroughly with soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
Eye Contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion:	Drink a large amount of water. Induce vomiting. Rinse mouth. Get medical advice/attention. Do not induce vomiting or give anything by mouth to an unconscious person.
Symptoms:	No data available.
Notes to Physician:	There is no specific antidote for this material. Treatment should be directed toward control of the symptoms and the clinical condition of the patient.

Section 5: Fire-fighting Measures

Suitable Extinguishing Media:	Use alcohol type or universal type foam extinguishing agents for large fires. Use carbon dioxide (CO ₂) or dry chemical extinguishers for small fires.
Specific Hazard during Fire:	May produce carbon dioxide, carbon monoxide and oxides of silicon under fire conditions.
Special Protective Equipment:	Fire fighters should wear full-faced self-contained breathing apparatus and protective clothing.



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Section 6: Accidental Release Measures

Personal Precautions: Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.

Environmental Precautions: Avoid release to the environment.

Method for Cleaning Up: Wear protective clothing as indicated in Section 8. Evacuate non essential personnel. Isolate spill area. Cover spilled product with an inert absorbent, such as clay, sand or sawdust. Collect and place in suitable containers for disposal.

Section 7: Handling and Storage

Precautions for Safe Handling: Keep out of reach of children. Avoid contact with skin or clothing and avoid breathing vapors. Only use with adequate ventilation.

Conditions for Safe Storage: Do not store with food, feed or other material to be used or consumed by humans or animals. Keep containers closed when not in use.

Incompatibles: No data available.

Section 8: Exposure Control and Personal Protection

Exposure Limit:

Source	Component	CAS No.	Limit	
-	Proprietary blend of polyalkyleneoxide modified polydimethylsiloxane and nonionic surfactant	-	TLV	15 mg/m ³

Engineering Control: General (mechanical) room ventilation is expected to be satisfactory.

Individual Protection Measure: Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.

Personal Protective Equipment:

Eye Protection: Protective goggles

Skin Protection: Protective clothing and impervious gloves

Respiratory Protection: None required under normal conditions.



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Section 9: Physical and Chemical Properties

Appearance:	Clear, water white liquid
Odour:	Surfactant odour
Odour Threshold:	No data available
pH:	No data available
Melting/Freezing Point:	< 35°F
Initial Boiling Point:	> 150°F
Boiling Range:	No data available
Flash Point:	> 240°F (PMCC)
Evaporation Rate:	<1
Flammability:	Not determined
Upper Flammability Limit:	No data available
Lower Flammability Limit:	No data available
Vapour Pressure:	<1 mm/Hg
Vapour Density:	>1
Relative Density:	1.02 – 1.04 gms/cc (Specific Gravity)
Solubility in Water:	Dispersible
Partition Coefficient P _{o/w} :	No data available
Auto-ignition Temperature:	Not determined
Decomposition Temperature:	No data available
Viscosity:	No data available

Section 10: Stability and Reactivity

Reactivity:	No data available.
Chemical Stability:	Stable under normal conditions.
Hazardous Reaction:	No data available.
Condition to Avoid:	No data available.
Incompatible Material:	No data available.
Hazardous Decomposition Product:	No data available.

Section 11: Toxicological Information

11.1 Acute Toxicity

Oral, LD ₅₀ :			
	Rat	3343 mg/kg	
Dermal, LD ₅₀ :			
	Rabbit	>2,020 mg/kg	



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11.2 Chronic Effect from Short and Long Term Exposure

Skin Contact:	Causes skin irritation
Eye Contact:	Causes serious eye irritation
Inhalation:	No data available
Ingestion:	Ingestion may cause nausea, abdominal discomfort, vomiting and diarrhea.
Carcinogenicity:	No data available
Mutagenicity:	No data available
Teratogenicity:	No data available

11.3 Symptoms

Long term effects of overexposure include activity decrease, nasal discharge, polyuria, respiratory gurgle and salivation.

Section 12: Ecological Information

Ecotoxicity:	No data available
Persistence and Degradability:	No data available
Bioaccumulative Potential:	No data available
Mobility in Soil:	No data available

Section 13: Disposal Information

Dispose of contents/container to Kualiti Alam or in accordance to local regulation.

Section 14: Transportation Information

Land (ADR/RID)	Not regulated
Sea (IMDG)	Not regulated
Air (IATA)	Not regulated

Section 15: Regulatory Information

Classification:	Skin Irritation, category 2 Eye Irritation, category 2
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Signal Word: Warning

Pictogram:



Pesticides Act: -

Classification: -

Section 16: Other Information

Date of Preparation: 15 February 2016

Date of Revision: -

Reference Document: ICOP on Chemicals Classification and Hazard Communication 2014
GHS Purple Book

Disclaimer: To the best of our knowledge, the information contained herein is accurate. However, we cannot assume any liability whatsoever for the accuracy or completeness of the information contained herein.