



Safety Data Sheet

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

Induce

Revision: 0, 1st Issue

Page 1 of 6

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

1.1 Product Identifier

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

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.



Safety Data Sheet

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

Induce

Revision: 0, 1st Issue
Page 2 of 6

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

Component	CAS No.	Percent, %	Hazard Code
Proprietary blend of alkyl aryl polyoxyalkane ether and free fatty acids	-	90	-
Water and formulation aids	-	10	-

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.
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:	Give 1 to 2 glasses of water to drink and induce vomiting. Rinse mouth. Get medical advice/attention.
Symptoms:	No data available.
Notes to Physician:	In the event of an adverse response, treatment should be directed toward control of the symptoms.

Section 5: Fire-fighting Measures

Suitable Extinguishing Media:	Dry chemical powder, water spray, water fog, carbon dioxide, foam or sand/earth.
Specific Hazard During Fire:	Water spray may be ineffective. Cool fire-exposed containers with water. Fog nozzles are preferable. Closed containers may rupture/ explode when exposed to extreme heat.
Special Protective Equipment:	Fire fighters should wear full-faced self-contained breathing apparatus and protective clothing.

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.
-----------------------	--



Safety Data Sheet

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

Induce

Revision: 0, 1st Issue

Page 3 of 6

Environmental Precautions: Do not contaminate water supplies, lakes, streams or ponds.
Method for Cleaning Up: Wear protective clothing as indicated in Section 8. Evacuate non essential personnel. Absorb spills with inert material such as sand, soil or vermiculite and collect in a drum. Cover up the contaminated area with household detergent and small amount of water. Brush the slurry and spread inert absorbents on the slurry liquid and collect the absorbed material in a drum. Seal drum and dispose of. Do not contaminate water resources.

Section 7: Handling and Storage

Precautions for Safe Handling: Keep out of reach of children. Keep container tightly closed. Keep away from heat, sparks or flames. Store between 40°F and 120°F.
Conditions for Safe Storage: Do not store with food, feed or other material to be used or consumed by humans or animals. Store between 40°F and 120°F.
Incompatibles: Strong oxidizers such as hydrogen peroxide, bromine and chromic acid.

Section 8: Exposure Control and Personal Protection

Exposure Limit:

Source	Component	CAS No.	Limit	
-	Proprietary blend of alkyl aryl polyoxyalkane ether and free fatty acids	-	TLV	150mg/m ³

Engineering Control: Mechanical exhaust system
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: NIOSH/MSHA certified respirator with organic vapour cartridge if concentration exceeds permissible exposure limits.

Section 9: Physical and Chemical Properties

Appearance: Yellow liquid
Odour: Alcohol odour
Odour Threshold: No data available
pH: No data available
Melting/Freezing Point: < 40°F
Initial Boiling Point: > 250°F
Boiling Range: No data available
Flash Point: > 200°F



Safety Data Sheet

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

Induce

Revision: 0, 1st Issue

Page 4 of 6

Evaporation Rate:	Not applicable
Flammability:	Combustible
Upper Flammability Limit:	Not applicable
Lower Flammability Limit:	Not applicable
Vapour Pressure:	Not established
Vapour Density:	2.1
Relative Density:	0.9975 gms/cc (Specific Gravity)
Solubility in Water:	Dispersible
Partition Coefficient $P_{o/w}$:	No data available
Auto-ignition Temperature:	> 750°F
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:	Excessive heat and open flames.
Incompatible Material:	Avoid contact with strong oxidizers such as hydrogen peroxide, bromine and chromic acid.
Hazardous Decomposition Product:	No data available.

Section 11: Toxicological Information

11.1 Acute Toxicity

Acute Toxicity:		
Oral, LD ₅₀ :		
Rat (male)	>5,010 mg/kg	
Dermal, LD ₅₀ :		
Rabbit	>2,010 mg/kg	

11.2 Chronic Effect from Short and Long Term Exposure

Skin Contact:	Causes skin irritation
Eye Contact:	Causes serious eye irritation
Inhalation:	Exposure may cause nasal and respiratory irritation
Ingestion:	May cause gastrointestinal irritation, nausea, vomiting and diarrhea
Carcinogenicity:	No data available
Mutagenicity:	No data available
Teratogenicity:	No data available
Other hazard:	Mild irritation of eyes and nose occurs at very high concentrations. The liquid can defeat the skin, producing a dermatitis characterized by drying and fissuring.



Safety Data Sheet

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

Induce

Revision: 0, 1st Issue

Page 5 of 6

11.3 Symptoms

No data available.

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

Signal Word: Warning

Pictogram:



Pesticides Act: -
Classification: -

	Safety Data Sheet	SDS No.: SDS-IM/FG-I/01
	Induce	Revision: 0, 1 st Issue Page 6 of 6

Section 16: Other Information

Date of Preparation: 5 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.