

Material Safety Data Sheet Pest SOLUT-ION



Material Safety Data Sheet (MSDS)

Revision Date: 01.07.2020

SECTION 1 - INTRODUCTION

Product Name	Pest Solut-ion
Chemical Name	Quercetin
Made and Produced By	PT PANDAWA AGRI INDONESIA Jalan Raya Benelanlor, Krajan, Kabat Banyuwangi, East Java Indonesia Phone: (0333) 637 0737 Email: info@pandawaid.com Website: www.pandawaid.com

SECTION 2 - COMPOSITION

Material	CAS number #	Form
Ammonium Hydroxide	1336-21-6	Liquid
Quercetin	117-39-5	Solid
Acetic Acid	64-19-7	Liquid
Other ingredients	-	solid
Chemical name	: Quercetin	

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SECTION 3 – TOXICOLOGICAL DATA

Ammonium Hydroxide	: Acute toxicity Ammonia (gas): 2000 ppm (male Rat for 4 hours)
Quercetin	: Oral toxicity LD50: 161 mg/Kg Rat : Oral toxicity LD50: 159 mg/Kg Mice
Acetic acid	: Inhalation LC50: 5620 ppm/1 hour; Oral acute toxicity LD50: 3310 mg/kg Rat; Dermal toxicity LC50:1060 mg/Kg Rabbit
As a product	: Oral toxicity LD50: >15000 mg/Kg Rat

SECTION 4 – HAZARDS IDENTIFICATION

Acute Potential Hazards	: Risk of irritate to eyes and irritate skin if contain in long exposure
Chronic Potential Hazards	: None carcinogenic, mutagenic, teratogenic effect by ACGIH, EPA, IARC, NTP, OSHA

SECTION 5 – FIRST AID MEASURES

Eye Contact	Check and remove each contact lens. Let the eyelid open and rinse immediately with running water for 15 minutes. Seek your doctor if irritation persists
Skin Contact	Wash the affected skin with water and soap while cleaning the contaminants. Seek medical advice immediately if irritation persists
Inhalation	Immediately move into an open place with clean air. Loosen tight clothing around neck and waist. If the symptoms persist, take the medical treatment.
Ingestion	Rinse your mouth and drink plenty of water. If unconscious, contact the doctor or medical personnel immediately

SECTION 6 – FIRE AND EXPLOSION DATA

Flash Point	: Not applied
Flammability Point	: Not applied
Extinguishing Media	: Not easily to explode and flam. If so, use foam, dry powder, and water spray

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Ecotoxicity	: This material is not registered in the list of materials that can cause contamination in the sea. Maybe, it is dangerous to cattle if swollen in abundant quantity
BOD and COD	: Not applied

SECTION 13 – TOXICOLOGY INFORMATION

Toxicity Route	: If Swollen
Animal Toxicity	: Relates to section 3
Human Toxicity	: Not applied

SECTION 14 – DISPOSAL CONSIDERATION

Waste Disposal or Recycling	: Place and collect used packaging at the disposal site. Make sure disposal complies with local government requirements or regulations
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SECTION 15 – INFORMATION FOR TRANSPORTATION

Land Transport

ADR:

UN Number	: 3082
PSN	: Environmentally hazardous substance, liquid, n.o.s (Quercetin)
Class	: 9
Packaging group	: III
Label	: 9 miscellaneous dangerous goods substance

RID:

UN Number	: 3082
PSN	: Environmentally hazardous substance, liquid, n.o.s (Quercetin)
Class	: 9

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Packaging group : III
Label : 9 miscellaneous dangerous goods substance

Sea Transport

IMDG:
UN Number : 3082
PSN : Environmentally hazardous substance, liquid, n.o.s (Quercetin)
Class : 9
Packaging group : III
Label : 9 miscellaneous dangerous goods substance

Air Transport

ICAO/IATA:
UN Number : 3082
PSN : Environmentally hazardous substance, liquid, n.o.s (Quercetin)
Class : 9
Packaging group : III
Label : 9 miscellaneous dangerous goods substance

SECTION 16 – REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture Inventories : Indonesia Management of Hazardous and Toxic Substances ACT (Present)

Hazard symbol : -

Hazard component : Quercetin

Warning : Acute Potential Hazards (Risk of irritate to eyes and irritate skin if contain in long exposure) and Chronic Potential Hazards (None-carcinogenic, none-mutagenic, none-teratogenic effect by ACGIH, EPA, IARC, NTP, OSHA)

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SECTION 17 – OTHER INFORMATION

Consumers accept all risks related to the usage of this product. The consumer accepts all responsibility to ensure that the product is used in a safe manner in accordance with applicable environmental, health and safety procedures, regulations and policies. PT Pandawa Agri Indonesia is not responsible for improper use and is not responsible for accidents or damage that is directly or indirectly related to the use of this product. All information contained in this sheet was developed from various sources that are accurate and trusted by PT Pandawa Agri Indonesia and compiled based on opinions and facts that existed during the preparation process.