

Material Safety Data Sheet

(MSDS)

SECTION 1 - GENERAL INFORMATION

Product Name: PORTAFOG 3.8
Product Size: 0.35 OZ
Product Code: KCFUM128
Product Usage: Household Insecticide
Date of Issue: 05/28/06
Supersedes: 05/28/05
HK Reg. No.: 1P2(FU)
Manufacturer: Komatsu Chemical Factory
 Torch Hi-Tech Development Zone, Zhongshan City, Guangdong Province, P.R. China
 Tel: +86-760-5336074/75 Fax: +86-760-5336071 Emergency Tel: +86-760-5336076

SECTION 2 - PRODUCT INFORMATION

Ingredient	Weight	Exposure Limit / Toxicity
Starch	2 - 8	15 mg/m ³ OSHA-TWA (Starch total dust); 5 mg/m ³ ACGIH/OSHA TWA (Starch respirable fraction); 10 mg/m ³ ACGIH TWA (Starch total dust)
Altothrin	3.8 - 10.8	Not established
Azodicarbonamide	80 - 100	Not established

SECTION 3 - HEALTH HAZARDS IDENTIFICATION

Hazard Rate	Hazard	HMIS	NFPA
4 - Very High	Health	1	1
3 - High	Flammability	0	0
2 - Moderate	Reactivity special	1	1
1 - Slight			
0 - Insignificant			

Route(s) of Entry Inhalation

Effects of Acute Exposure:

Eye May cause Mild eye irritation.

Skin None known.

Inhalation May cause irritation to nose, throat and respiratory tract.

Ingestion May be harmful if swallowed.

Medical Condition None known.

Generally recognized as being aggravated by exposure.

SECTION 4 - FIRST AID MEASURES

Eye Contact Rinse with plenty of water. If irritation persists, get medical attention.
Skin Contact Wash contaminated area with water and soap. Seek immediate medical attention.
Inhalation Remove to fresh air. If breathing is affected, get medical attention.
Ingestion Immediately drink 1-2 glasses of water or milk. Induce vomiting. Seek immediate medical attention. Do not administer anything by mouth to unconscious person.

SECTION 5 - FIRE AND EXPLOSION INFORMATION

Flash Point 400°F (204°C)
Flammable Limits Not applicable
Autoignition Not applicable
Temperature
Extinguishing Media Foam, CO₂, Dry chemical, Water fog.
Special Firefighting Fire fighters should wear self-contained breathing apparatus and protective
Procedures clothing. Combustion products may be toxic.
Unusual Fire and Contact with water will cause generation of fumes.
Explosion Hazards

SECTION 6 - PREVENTIVE RELEASE MEASURES

Steps to Taken in Sweep or scrape up and containerize.
Case Material Is
Released or Spilled

SECTION 7 - HANDLING AND STORAGE

Precautionary **Warning:** Harmful if swallowed. Harmful if absorbed through skin. Eye irritant.
Information Avoid contact with skin, eyes and clothing. Do not remain in enclosed areas after use. Ventilate enclosed areas before returning. Avoid contact with food or drink. Remove plants, pets, birds and cover and turn off fish aquariums before using. Wash hands thoroughly after handling. Avoid breathing smoke.
Other Handling and Product residue may remain on/in empty containers. All precautions for handling
Storage Conditions the product must be used in handling the empty container and residue.

SECTION 8 - SPECIAL PROTECTION INFORMATION

Respiration Protection .. No special requirements under label recommended use directions.
Ventilation Ventilate enclosed areas before returning.
Protective Gloves No special requirements under normal use conditions.
Eye Protection No special requirements under normal use conditions.
Other Protective No special requirements.
Measures

SECTION 9 - PHYSICAL and Chemical Properties

Color Orange
Product State Solid
Odor Characteristic
PH Not available
Solubility in Water Appreciable
Specific Gravity(H₂O) Not applicable

Vapor Density(Air=1) Not applicable
Evaporation Rate Not available
(Butyl Acetate=1)
Vapor Pressure(mm HG). Not available
Boiling Point Not available
Freezing Point Not applicable
Coefficient of Not applicable
Water (oil
Percent Volatile by Not available
Volume(%)
Volatile Organic Not applicable
Compound(VOC)
Theoretical VOC Not applicable
(LB/GAL)

----- SECTION 10 - STABILITY AND REACTIVITY -----

Stability Stable
Stability - Condition No special requirements.
to Avoid
Incompatibility Strong acids(eg.,muriatic acid). Strong oxidizing materials(eg.,liquid chlorine).
Hazardous Toxic decomposition products include: Oxides of carbon. Oxides of nitrogen.
Decomposition Products
Hazardous Will not occur.
Polymerization
Hazardous Not applicable
Polymerization- condition to avoid

----- SECTION 11 - TOXICOLOGY INFORMATION -----

LD50 (Acute Oral Tox) Between 2500 and 5000 mg/kg (rats)
LD50 (Acute Dermal Tox) ... > 2500 mg/kg.
LD50 (Acute Inhalation..... >5.8 mg/L (4 hours)
Tox)
Effects of Chronic None known.
Exposure
Sensitization None known.
Carcinogenicity None known.
Reproductive Toxicity None known.
Teratogenicity None known.
Mutagenicity None known.

----- SECTION 12 - ECOLOGICAL INFORMATION -----

Environmental Data Not available.

----- SECTION 13 - DISPOSAL CONSIDERATIONS -----

Waste Disposal Pesticidal Waste—Observe all applicable Federal/Provincial/State regulations
Information and Local/Municipal ordinances regarding disposal of pesticide waste.

----- **SECTION 14 - TRANSPORTATION INFORMATION** -----

US DOT Information Not applicable.

TPG Classification Not applicable.

PIN/NIP Not applicable.

Packing Group Not applicable.

Exemption Name Not applicable.

----- **SECTION 15 - REGULATORY INFORMATION** -----

WHMIS Classification... Non-regulated.

All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

All ingredients in this product comply with the New Substances Notification Requirements under the Canadian Environmental Protection Act (CEPA).

----- **SECTION 16 - OTHER INFORMATION** -----

Additional Information Use as directed.

----- **PREPARATION INFORMATION** -----

Prepared by **Manufacturer's Technical Support Department. Refer to page 1/4 for contact information.**

This document has been prepared using data from sources considered technically reliable. It does not constitute a warranty, express or implied, as to the accuracy of the information contained herein. Actual conditions of use and handling are beyond seller's control. User is responsible to evaluate all available information when using product for any particular use and to comply with all Federal, State, Provincial and Local laws and regulations.