



杭州大阳化工有限公司

HANGZHOU DAYANGCHEM CO.LIMITED

MSDS for ODB-2

Product and Company Identification

Product Name	2-Phenylamino-3-methyl-6-di-n-butylaminofluoran
Synonyms	ODB-2
CAS Number	89331-94-2
ELINCS Number	89-06-0173
Chemical Family	Heterocyclic compound
Formula	$C_{35}H_{36}N_2O_3$
Formula Weight	523.7
Supplier	Dayang Chemicals Co., Ltd. (China)
For information, call	+86-571-88938657
For information, Fax	+86-571-88938652

Hazardous Ingredients

Component	CAS Number	(%)	OSHA-PEL	ACGIH-TLV
SENR-2	89331-94-2	>99.5	None	None

Physical Data

Boiling Point	Not applicable
Melting Point	183 °C (361.4 °F)
Specific Gravity (H ₂ O=1)	1.19
Vapor Pressure (mmHg)	Not applicable
Vapor Density (Air=1)	Not applicable
Evaporation Rate (Butyl Acetate=1)	Not applicable
Solubility in water	Negligible
Appearance and Odor	Light colored powder, Odorless

Fire and Explosion hazard data

Flash Point	Over 200°C (392.5.) (Tag closure method)
Auto-ignition Temperature	No information
Flammable Limits in Air, % by Volume Lower Upper	No information No information
Extinguishing Media	Water spray, fog, foam, carbon dioxide, dry chemical
Special Fire Fighting Procedures	Firefighters should be equipped with air supplied respirators
Unusual Fire and Explosion Hazards	Handle as an organic dust

Reactivity Data

Stability	Stable at normal temperatures and conditions of storage
Condition to Avoid	Light, heat
Incompatibility	Oxidizing agents, acid materials
Hazardous Decomposition Products	Carbon monoxide on incomplete Combustion Nitrogen oxides on combustion
Hazardous Polymerization	Will not occur

Health Hazard Data

Primary Route(s) of Entry	Inhalation, Skin contact, Ingestion
Acute Toxicity	LD ₅₀ > 5.0g/kg of body weight
Acute oral toxicity	LD ₅₀ > 2.0g/kg of body weight
Acute dermal toxicity	Negative
Skin irritation	Negative
Eye irritation	Negative
Hypersensitivity	
Mutagenicity Ames	Negative
Chromosomal analysis	Negative
Carcinogenicity National toxicology program (NTP)IARC Monographs OSHA	Not listed Not listed Not listed
Ecotoxicological studies	96h LC ₅₀ > 1.0 mg/

Acute toxicity to fish Acute toxicity to daphnia Algae growth inhibition	96h NOEC : 1.0 mg/ 48h EC ₅₀ > 1.0 mg/ 48h NOEC : 1.0 mg/l 72h IC ₅₀ > 0.76 mg/l 72h NOEC : 1.76 mg/l
Signs and Symptoms of Exposure	None normally encountered
Medical Condition Generally Aggravated by Exposure	No information

Precautions for Safe Handling and Use

Steps to be Taken in Case of Material is Released or Spilled	Sweep up, do not raise dust. Collect waste in closed drum for disposal.
Waste Disposal Method	Controlled burning
Precaution to be Taken in Handling and Storing	Care should be taken to prevent excessive contact. Keep away from sun and heat. Protect from direct contact with water or excessive moisture. Avoid excessive dust formation.
Emergency and First Aid Procedures Inhalation Skin Eye	Ensure supply of fresh air. (If necessary, consult a physician.) Wash with soap and water Flush with plenty of water for at least 15 minutes. Have eyes examined and treated by a physician.

MSDS Creation Date

2/01/2002

Revision #0 Date

Original.

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