

NITROFEN**0929**

March 1999

CAS No: 1836-75-5
 RTECS No: KN8400000
 EC No: 609-040-00-9

2,4-Dichloro-1-(4-nitrophenoxy) benzene
 2,4-Dichlorophenyl p-nitrophenyl ether
 $C_{12}H_7Cl_2NO_3$ / $C_6H_3Cl_2OC_6H_4NO_2$
 Molecular mass: 284.1

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
FIRE	Combustible.	NO open flames.	Powder, water spray, foam, carbon dioxide.
EXPLOSION	Finely dispersed particles form explosive mixtures in air.	Prevent deposition of dust; closed system, dust explosion-proof electrical equipment and lighting.	

EXPOSURE		PREVENT DISPERSION OF DUST! AVOID ALL CONTACT! AVOID EXPOSURE OF (PREGNANT) WOMEN!	IN ALL CASES CONSULT A DOCTOR!
Inhalation	Abdominal pain. Cough. Diarrhoea. Dizziness. Headache. Laboured breathing. Sore throat. Vomiting.	Local exhaust or breathing protection.	Fresh air, rest. Artificial respiration if indicated. Refer for medical attention.
Skin	Redness. Pain.	Protective gloves. Protective clothing.	First rinse with plenty of water, then remove contaminated clothes and rinse again. Refer for medical attention.
Eyes	Redness. Pain.	Safety spectacles, or eye protection in combination with breathing protection if powder.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
Ingestion	(See Inhalation).	Do not eat, drink, or smoke during work. Wash hands before eating.	Rinse mouth. Rest. Refer for medical attention.

SPILLAGE DISPOSAL	PACKAGING & LABELLING
Sweep spilled substance into containers. Carefully collect remainder, then remove to safe place. Do NOT let this chemical enter the environment. (Extra personal protection: P3 filter respirator for toxic particles).	T Symbol N Symbol R: 45-61-22-50/53 S: 53-45-60-61 Note: E Do not transport with food and feedstuffs.

EMERGENCY RESPONSE	STORAGE
	Separated from food and feedstuffs. Well closed.

IMPORTANT DATA

Physical State; Appearance

COLOURLESS TO BROWN CRYSTALLINE POWDER, TURNS DARK ON EXPOSURE TO LIGHT.

Physical dangers

Dust explosion possible if in powder or granular form, mixed with air.

Chemical dangers

On combustion, forms toxic fumes.

Occupational exposure limits

TLV not established.

Routes of exposure

The substance can be absorbed into the body by inhalation of its aerosol and by ingestion.

Inhalation risk

Evaporation at 20°C is negligible; a harmful concentration of airborne particles can, however, be reached quickly on spraying or dispersing.

Effects of short-term exposure

The substance irritates the skin and the respiratory tract. The substance may cause effects on the central nervous system.

Effects of long-term or repeated exposure

Repeated or prolonged contact with skin may cause dermatitis. The substance may have effects on the liver. This substance is possibly carcinogenic to humans. Animal tests show that this substance possibly causes malformations in human babies.

PHYSICAL PROPERTIES

Boiling point at 101.3 kPa: 368°C

Melting point: 70-71°C

Density: 1.3 g/cm³

Solubility in water, g/100 ml at 22°C: 0.0001

Vapour pressure, Pa at 40°C: 0.001

Flash point: >200°C c.c.

Auto-ignition temperature: >400°C

Octanol/water partition coefficient as log Pow: 3.4-5

ENVIRONMENTAL DATA

The substance is very toxic to aquatic organisms. In the food chain important to humans, bioaccumulation takes place, specifically in fish. The substance may cause long-term effects in the aquatic environment. Avoid release to the environment in circumstances different to normal use.

NOTES

If the substance is formulated with solvent(s) also consult the card(s) (ICSC) of the solvent(s).

Carrier solvents used in commercial formulations may change physical and toxicological properties.

Do NOT take working clothes home.

Tok-2, Tok E25, Tokkorn, Mezotox, FW925, Niclofen, NIP, Nitrochlor, Trazalex are trade names.

ADDITIONAL INFORMATION

LEGAL NOTICE

Neither the EC nor the IPCS nor any person acting on behalf of the EC or the IPCS is responsible