IMIDACLOPRID

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CAS No: 138261-41-3
RTECS No: NJ0560000
UN No: 2588

1-(6-Chloro-3-pyridylmethyl)-N-nitroimidazolidin-2-ylideneamine
1-((6-Chloro-3-pyridinyl)methyl)-N-nitro-2-imidazolidinimine
1-(6-Chloro-3-pyridinylmethyl)-N-nitroimidazolidin-2-ylideneamine
1H-Imidazol-2-amine, 1-((6-chloro-3-pyridinyl)methyl)-4,5-dihydro-N-nitro
$C_9H_{10}ClN_5O_2$
Molecular mass: 255.7

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/SYMPTOMS	PREVENTION	FIRST AID/FIRE FIGHTING
FIRE	Combustible. Gives off irritating or toxic fumes (or gases) in a fire.	NO open flames.	Powder, water spray, foam, carbon dioxide.
EXPLOSION			
EXPOSURE			
Inhalation		Avoid inhalation of dust.	Fresh air, rest.
Skin		Protective gloves.	Rinse and then wash skin with water and soap.
Eyes		Safety spectacles.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
Ingestion	Dizziness. Drowsiness. Tremors. Uncoordinated movements.	Do not eat, drink, or smoke during work. Wash hands before eating.	Induce vomiting (ONLY IN CONSCIOUS PERSONS!).

SPILLAGE DISPOSAL	PACKAGING & LABELLING	
Sweep spilled substance into containers. Carefully collect remainder, then remove to safe place. Personal protection: P2 filter respirator for harmful particles. Do NOT let this chemical enter the environment.	UN Hazard Class: 6.1 UN Pack Group: III	Do not transport with food and feedstuffs.

EMERGENCY RESPONSE	STORAGE
Transport Emergency Card: TEC (R)-61GT7-III	Separated from food and feedstuffs.

IPCS
International Programme on Chemical Safety

Prepared in the context of cooperation between the International Programme on Chemical Safety and the European Commission

IMPORTANT DATA

Physical State; Appearance
COLOURLESS CRYSTALS OR BEIGE POWDER.

Chemical dangers
On combustion, forms toxic gases. The substance decomposes on heating.

Occupational exposure limits
TLV not established.
MAK not established.

Routes of exposure
The substance can be absorbed into the body by ingestion.

Inhalation risk
Evaporation at 20/C is negligible; a nuisance-causing concentration of airborne particles can, however, be reached quickly on spraying.

Effects of short-term exposure
The substance may cause effects on the nervous system.

PHYSICAL PROPERTIES

Melting point: 144/C
Density: 1.54 g/cm^3
Solubility in water, g/100 ml at 20/C: 0.061

Vapour pressure, Pa at 20/C: negligible
Octanol/water partition coefficient as log Pow: 0.57

ENVIRONMENTAL DATA

This substance may be hazardous in the environment; special attention should be given to birds, crustacea, fish and honey bees.

NOTES

Other melting points: 136.4/C and 143.8 /C depending on crystal form.
If the substance is formulated with solvents also consult the ICSCs of these materials.
Carrier solvents used in commercial formulations may change physical and toxicological properties.

ADDITIONAL INFORMATION