



## MATERIAL SAFETY DATA SHEET

**PRODUCT** : IMAZETHAPYR 100SL  
**EFFECTIVE DATE** : August 2019  
**REVISION NO** : 3  
**PAGES** : 4

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### 1. IDENTIFICATION OF THE SUBSTANCE AND THE COMPANY

**Product name** : **IMAZETHAPYR 100SL**  
**Common name** : Imazethapyr  
**Chemical name** : 2-[4.5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-ethyl-3-pyridinecarboxylic acid

**Supplier** : **NOVA AGRO (HK) LIMITED**  
6th Floor Wyndham Place  
44 Wyndham Street  
CENTRAL HONG KONG.

**Emergency Tel/Fax** : +27(0) 32 9463472 or +27(0) 83 676 1998

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### 2. COMPOSITION / INFORMATION ON INGREDIENTS

#### Chemical characteristic

**Formulation type** : Soluble concentrate (SL)  
**Use** : Herbicide  
**Active ingredient(s)** : 100g/l  
imazethapyr

#### Hazardous Component(s)

CAS	Product Denomination	g/litre
101917-66-2	Imazethapyr Ammonium salt (as100%)	100
107-21-1	ethylene glycol	Up to 1 litre

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### 3. HAZARDS IDENTIFICATION

**Health Hazards:** Slight.

**Environmental hazard in case of accident** (spillage/leakage): Harmful to flora. Low toxicity to birds, fish and aquatic invertebrates.

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#### 4. FIRST- AID MEASURES

##### First-aid Measures

**Eye contact:** Rinse eyes with copious amounts of clean water. Get medical attention if irritation persists.

**Ingestion:** Induce vomiting by touching back of the throat with fingers. Get medical attention.

**Contact:** Remove contaminated clothing and thoroughly wash the affected parts of the body with soap and water. Get medical attention if irritation persists.

##### Medical Instructions

**Antidote:** No specific antidote is known. Apply symptomatic therapy.

**Experiences specific to man:** No case of human poisoning is on record.

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#### 5. FIRE-FIGHTING MEASURES

**Flash point:** > 93°C

**Extinguishing media:**

**Suitable Extinguishing Media:** Dry chemical extinguisher, foam, carbon dioxide or water spray (do not use direct jet of water).

##### Fire fighting

**Special Hazards during Fire Fighting:** Combustion products are toxic and/or irritant. Measures have to be taken to prevent the contaminated extinguishing agent from seeping into the ground or from spreading uncontrollably.

**Protective Equipment for Fire Fighting:** Use self-contained breathing apparatus. Wear protective equipment.

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#### 6. ACCIDENTAL RELEASE MEASURES

**Environmental Protection Measures following Accidents:** Soak up with absorptive material such as sand, soil, diatomaceous earth, etc. Prevent material from spreading, e.g. by damming in with absorptive material. Collect material in specially marked, tightly closing containers. Spilled product cannot be used further and must be disposed of. If safe disposal is not possible, contact the manufacturer, the dealer or the local representative. Do not contaminate waters and sewers.

**Wear appropriate protective clothing and personal protective equipment.**

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#### 7. HANDLING AND STORAGE

##### Handling information

**General:** Avoid contact with skin, eyes and clothing. Avoid inhalation of fog and vapours. Do not eat, drink or smoke while working. In addition to the measures usually taken in chemical works like splash-proof filling and measuring equipment (including vapour stripping), further personal protection measures may have to be implemented to avoid possible contact with the product.

##### Storage information

**Special Instructions for Storage:** Store the product in closed original containers. Protect from light. Store away from frost.

**Storage Compatibility with other Products:** Store separately from feed, food and stimulants.

##### Storage Temperature

**Max. Storage Temperature:** 35°C

**Min. Storage Temperature:** 0°C

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Personal protective equipment****In General:** Change working clothes daily.**Breathing Protection:** In case of heavy exposure, wear: Gas mask.**Eye Protection:** Goggles or face-shield**Hand Protection:** Gloves**Body Protection:** Heavy duty cotton or synthetic fabric working clothes (e.g. overalls).**Precautionary measures after work:** Wash thoroughly (shower, bath, wash hair). Change clothing. Thoroughly clean protective gear. Thoroughly clean contaminated equipment with soap or soda solution.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Formulation:</b>	Soluble concentrate	
<b>Colour:</b>	Clear light green to dark brown.	
<b>Physical State:</b>	Liquid	
<b>Boiling Point/Range</b>		
<b>Boiling Point:</b>	> 90 - 100°C	
<b>Flash-Point:</b>	> 93°C	DIN 51758
<b>Flammability:</b>	Flammable	
<b>Explosive Properties</b>		
<b>Assessment:</b>	Non- explosive	
<b>Density:</b>	1.08 - 1.10 g/cm <sup>3</sup> (20°C)	IA-79
<b>pH Value:</b>	7.1 – 7.5 (1% Suspension in water)	IA-105
<b>Miscibility with water:</b>	Dispersible	

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## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable under normal conditions.**Corrosiveness / Incompatible Materials:** Zinc, iron, mild steel, brass and copper.**Hazardous decomposition Products:** Combustion may produce oxides of carbon and nitrogen.

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## 11. TOXICOLOGICAL INFORMATION

<b>Acute Oral Toxicity</b>		OECD 401
<b>LD<sub>50</sub>:</b>	> 5000 mg/kg (rat) - practically non-toxic.	
<b>Acute Dermal Toxicity</b>		OECD 402
<b>LD<sub>50</sub>:</b>	> 4000 mg/kg (rat) – practically non-toxic.	
<b>Acute Skin Irritation:</b>	Non - irritating (rabbit)	OECD 404
<b>Acute Eye Irritation:</b>	Non - irritating (rabbit)	OECD 405



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### 12. ECOLOGICAL INFORMATION

**Environmental hazard in case of accident (Spillage/Leakage):** Harmful to flora. Low toxicity to birds, fish and aquatic invertebrates.

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### 13. DISPOSAL CONSIDERATIONS

#### Disposal

**Product Disposal:** Pay attention to protective clothing and measures. Cover up product with absorptive material such as sand, soil, diatomaceous earth, etc. Collect material in specially marked, tightly closing containers. Clean dirty areas with water and detergent. Put washing water in containers too, to avoid any contamination of surface and ground water, water supplies and drains. Hose down the area for a prolonged period. Heavily contaminated soil layers have to be dug out down to clean soil. Spilled product cannot be used further and must be disposed of. If safe disposal is not possible, contact the manufacturer, the dealer or the local representative and dispose of in an incinerator approved for chemicals.

**Container Disposal:** Dispose of empty containers in an incinerator approved for chemicals. Damaged containers: Place original containers in specially marked larger ones. Check possibilities of recycling large empty containers, drums and barrels.

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### 14. TRANSPORT INFORMATION

NOT RESTRICTED

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### 15. REGULATORY INFORMATION

#### International

<b>WHO Toxicity Classification (a.i.)</b>	III
<b>EPA Toxicity Classification (form.)</b>	IV

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### 16. OTHER INFORMATION

The information contained herein is based on the present state of our knowledge as is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.

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