



Safety Data Sheet

Report Date 08-Dec-15

Page 1 of 4

1. Identification

Product Name : KICKSTAND PGR
Synonyms : None
Product Use : Plant Growth Regulator
Manufacturer/Supplier : Helena Chemical Company
Address : 225 Schilling Blvd. Collierville, TN 38017
General Information : 901-761-0050
Transportation Emergency Number : CHEMTREC:800-424-9300

2. Hazard Identification



Signal Word : Warning
Skin Irritation : Skin contact may cause irritation, including redness and burning sensation.
Eye Irritation : Mild to moderate eye irritation may occur with contact.
Acute Toxicity Oral : May be harmful if swallowed. May cause gastric upset including vomiting and diarrhea.
Acute Toxicity Dermal : May be harmful with skin absorption.
Hazard Categories : Oral/Dermal/Inhalation Toxicity-5/5/5; Eye/Skin Irritation-2A/2
Hazard Statement : May be harmful if swallowed
May be harmful in contact with skin
Causes serious eye irritation
Causes skin irritation
May be harmful if inhaled

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Indole-3-butyric Acid	133-32-4	0.0135
Proprietary blend of formulation aids	Nonhazardous	99.9865

4. First Aid Measures

Eye : Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.
Skin : Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.
Inhalation : Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
Ingestion : Call a poison control center or doctor immediately for treatment advice. Rinse mouth with water. Do not induce vomiting. Do not give anything by mouth if unconscious.
Indication of Immediate Medical Attention and Special Treatment Needed : In the event of an adverse response, treatment should be directed toward control of the symptoms.

5. Fire Fighting Measures



Safety Data Sheet

Report Date 08-Dec-15

Page 2 of 4

- Extinguishing Media** : Non-combustible mixture. Use extinguishing media suitable for underlying cause of fire.
- Specific Hazards Arising from the Chemical** : May generate toxic and irritating fumes under fire conditions.
- Special Fire Fight Proc** : Wear positive pressure self-contained breathing apparatus and full protective clothing.

6. Accidental Release Measures

- Personal Precautions** : Keep unprotected and unnecessary personnel out of spill area.
- Protective Equipment** : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Respiratory protection not normally needed. Eyewash and emergency shower should be available in work area.
- Emergency Procedures** : Contain spill. Prevent runoff to waterways, streams, storm sewers or other waterways.
- Methods and Materials for Containment and Cleanup** : If uncontaminated, this material may be reused as intended. If contaminated, absorb with an inert material and place in a chemical waste container for proper disposal.

7. Handling and Storage

- Precautions for Safe Handling** : Keep out of reach of children. Do not contaminate water, food or feed by storage, handling or disposal.
- Conditions for Safe Storage** : Protect from freezing. Store out of direct sunlight.

8. Exposure Controls / Personal Protection

- TLV/PEL** : No exposure limits set by OSHA or ACGIH.
- Appropriate Engineering Controls** : Local exhaust should be sufficient.
- Personal Protective Equipment** : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Respiratory protection not normally needed. Eyewash and emergency shower should be available in work area.

9. Physical and Chemical Properties

- Odor/Appearance** : Pale yellow slightly hazy liquid; ammonia odor.
- Flash Point, °F** : Non-combustible
- Boiling Point, °F** : >100 Degrees C.
- Melting Point(Freezing point), °C** : Not applicable
- Vapor Pressure, mm Hg @ 20 °C** : Not established
- Vapor Density** : Not established
- Solubility in Water** : Soluble
- Molecular Formula** : Not applicable, formulated mixture.
- Density, g/mL @ 25 °C** : 1.069-1.081
- Evaporation Rate(Butyl Acetate = 1)** : Not established
- Octanol/Water Partition Coefficient** : No information found
- pH** : 5.0 to 7.0 (1%)
- Flammable Limits (approximate volume % in air)** : Not applicable
- Auto-ignition Temperature** : Not applicable



Safety Data Sheet

Report Date 08-Dec-15

Page 3 of 4

Decomposition temperature : No information found

10. Stability and Reactivity

Reactivity : No information found
Chemical Stability : Stable
Hazardous Decomposition Products : May produce ammonia gas and oxides of carbon under fire conditions.
Hazardous Polymerization : Will not occur
Conditions to Avoid : None currently known
Incompatible Materials : Avoid contact with strong oxidizing agents and strong alkaline materials.

11. Toxicological Information

Acute Toxicity (Oral LD50) : No LD50 available. May be harmful if swallowed.
Acute Toxicity (Dermal LD50) : No LD50 available. May be harmful in contact with skin.
Acute Toxicity Inhalation LC50 : No LC50 available. May be harmful if inhaled.
Likely Routes of Exposure : Skin, eyes
Skin Irritation : Causes skin irritation.
Eye Irritation : Causes serious eye irritation.
Skin Sensitization : Not a skin sensitizer.
Carcinogenic : Not listed by OSHA, IARC or NTP.
Chronic Effects : None currently known.
Other Hazards : None currently known.

12. Ecological Information

Ecotoxicity : No information found
Persistence and Degradability : No information found
Bioaccumulative Potential : No information found
Mobility in Soil : No information found
Other Adverse Effects : No information found

13. Disposal Considerations

Waste Disposal Method : This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act.

14. Transport Information

UN Proper Shipping Name : Not regulated by DOT, IATA or IMDG.
Transport Hazard Class : None
UN Identification Number : None
Packaging Group : None
Environmental Hazards : No information found
Transport in Bulk : No information found
Special Precautions for Transportation : No information found
Freight Classification : Pesticides, NOI, Plant Growth Regulator, Other than Poison (NMFC Item 155050, Sub 11, Class 70)



Safety Data Sheet

Report Date 08-Dec-15

Page 4 of 4

15. Regulatory Information

National Fire Protection Association Rating :

Health: 2 Fire: 1 Reactivity: 0
Rating Level: (4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

S.A.R.A Title III Hazard Classification (Yes/No) :

Immediate(Acute) Health: Y
Delayed (Chronic) Health: N
Sudden Release of Pressure: N
Fire: N
Reactive: N

FIFRA Information : This Chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labelling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

EPA Registration Number : 5905-540
FIFRA Signal Word : Caution
FIFRA Label Statement : Keep out of reach of children.
FIFRA Label Statement : Applicators and other handlers must wear: long-sleeved shirt and long pants, shoes plus socks.
FIFRA Label Statement : Follow manufacturer's instructions for cleaning/maintaining PPE.
FIFRA Label Statement : If no such instructions for washables, use detergent and hot water.
FIFRA Label Statement : Keep and wash PPE separately from other laundry.
FIFRA Label Statement : No additional label statements.
FIFRA Label Statement : No additional label statements.

16. Other Information

Data of Preparation/Revision : 08-December-2015