

**Material Safety Data Sheet**  
**J. R. Simplot Company**  
**AgriBusiness**

**M74350**

Trade Name: BEST Dimension 270G  
Registration No: 7001-375

**SECTION 1**

**CHEMICAL PRODUCT AND COMPANY INFORMATION**

Manufactured For: J.R. Simplot Company  
P.O. Box 27  
Boise, ID 83707  
Emergency Phone - Chemtrec: 1-800-424-9300

Product Name: BEST Dimension 270G  
Common Name: Weed Killing Compound  
Chemical Type: Formulated Product - Herbicide

**SECTION 2**

**COMPOSITION INFORMATION**

Chemical Name and Synonyms	C.A.S. No.	Chemical Formula	WT%	TLV	PEL
Dithiopyr	97886-45-8	Not listed	<b>Hazardous</b> 0.27%	Not indicated	Not indicated
Inert Ingredient	NA		<b>Non-Hazardous</b> 99.73%	10 mg/m <sup>3</sup> Total Dust	15 mg/m <sup>3</sup> Total Dust

**SECTION 3**

**HAZARDS IDENTIFICATION**

**Ingestion:** Minimal hazards under normal conditions and use.  
**Inhalation:** Dust may cause moderate discomfort to the nose, throat, and lungs.  
**Eye Contact:** Dust may cause moderate discomfort.  
**Skin Absorption:** Dust may cause moderate discomfort.  
**Skin Contact:** Dust may cause moderate discomfort.  
**Effects of Overdose:** None listed.

**SECTION 4**

**FIRST AID MEASURES**

**Ingestion:** Give 2 large glasses of water to drink. Immediately seek medical assistance. Never give anything by mouth to an unconscious person.  
**Inhalation:** Remove to fresh air if breathing difficulty occurs. Call a physician if aggravation persists.  
**Eyes:** If eye contact occurs, flush eyes with running water for 15 minutes. Seek medical attention if discomfort persists.  
**Skin:** Wash skin with soap and water. Seek medical assistance if condition persists.

**SECTION 5**

**FIRE FIGHTING MEASURES**

**Extinguishing Media:** Use extinguishing media suitable for surrounding fire.  
**Special Fire Fighting Procedures:** Wear full protective clothing and positive pressure, self-contained breathing apparatus. Evacuate all nonessential personnel from the area to prevent human exposure from fire, smoke, and fumes.  
**Unusual Fire and Explosion Hazards:** Decomposition products may be toxic. Confine runoff water and prevent from entering sewers, streams, or lakes.

**SECTION 6**

**ACCIDENTAL RELEASE MEASURES**

**Steps to be taken in case material is released or spilled:**  
If material is uncontaminated, collect and reuse as recommended for product. Wear impervious gloves, boots, and safety glasses. Avoid dusts or use approved respirators. Keep animals away from large spills. This product is a pesticide, and is toxic to aquatic organisms. Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters. Prevent large quantities from contacting vegetation or waterways.

**SECTION 7**

**HANDLING AND STORAGE**

**Precautions to be taken in handling and storing:**  
Store in a cool, dry area. Prevent spillage and separate from strong oxidizers. Use normal safety procedures and good personal hygiene. Keep out of the reach of children.

**SECTION 8**

**EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Ventilation Protection:** Provide local or general ventilation to keep dust below ACGIH nuisance dust limit of 10 mg/M<sup>3</sup>. Applicators should stand upwind.  
**Respiratory Protection:** An approved respirator should be used if dust exposure exceeds level of 10 mg/M<sup>3</sup>.  
**Protective Clothing:** None normally required. Impervious gloves, long sleeve shirt and long pants should be worn by individuals with unusually sensitive skin.  
**Eye Protection:** Use of safety glasses with side shields is recommended.

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**SECTION 9**

**PHYSICAL AND CHEMICAL PROPERTIES**

<b>Boiling Point:</b>	Not applicable	<b>Solubility in Water:</b>	1.38 ppm @ 20°C
<b>Density:</b>	34-38 lbs/ft <sup>3</sup>	<b>% Volatiles (by volume):</b>	Not listed
<b>Flashpoint:</b>	Non-flammable	<b>Vapor Pressure, mm Hg:</b>	Not applicable
<b>pH:</b>	Not listed.	<b>Reaction with Water:</b>	Not listed.
<b>Appearance:</b>	Tan to brown granules with mild, musty odor.		
<b>Extinguishing Media:</b>	Use media suitable for extinguishing source of fire.		

**SECTION 10**

**STABILITY AND REACTIVITY**

<b>Stability (Normal Conditions):</b>	Stable under normal conditions.
<b>Conditions to Avoid:</b>	None listed
<b>Incompatibility (Material to Avoid):</b>	None known
<b>Hazardous Decomposition Products:</b>	There are no known hazardous decomposition products for this material.
<b>Hazardous Polymerization:</b>	Will not occur

**SECTION 11**

**TOXICOLOGY INFORMATION**

	<u>Oral LD50 (rat)</u>	<u>Dermal LD50 (rat)</u>	<u>Aquatic Fish 96-hour</u>	<u>Aquatic (other)</u>
<b>Mono-ammonium Phosphate</b>	> 2,000 mg/kg	> 5,000 mg/kg	> 86 mg/L (rainbow trout)	none listed
<b>Ammonium Sulfate</b>	640-4,250 mg/kg	> 2,000 mg/kg	> 13.6-159.8 mg total NH <sub>3</sub> /L	> 27.0 mg/total NH <sub>3</sub> /L (daphnia)
<b>Potassium Chloride</b>	1,500-2,600 mg/kg	none listed	2,010 mg/L	none listed

All toxicity data from TFI Product Testing Results.

**SECTION 12**

**ECOLOGICAL INFORMATION**

None listed.

**SECTION 13**

**DISPOSAL CONSIDERATIONS**

**Waste Disposal Procedures:** Apply per label directions if product is uncontaminated. If contaminated, dispose of wastes at an approved waste disposal facility in accordance with applicable regulations.

**SECTION 14**

**TRANSPORT INFORMATION**

<b>Shipping name:</b>	Not regulated by DOT	<b>C.A.S. Number:</b>	See "Ingredients"
<b>Hazard Class:</b>	None	<b>D.O.T. Number:</b>	None
<b>Reportable Quantity (RQ):</b>	None	<b>Haz Waste No:</b>	None
<b>Labels Required:</b>	None	<b>EPA Regist No:</b>	7001-375
<b>Placard:</b>	None		

**SECTION 15**

**REGULATORY INFORMATION**

**Carcinogenicity:** by IARC?: Yes ( ) No (X) by NTP?: Yes ( ) No (X)

**SARA Hazard Category:** Delayed Health Hazard  
Not on the SARA 302 list of reportable quantities.

**SECTION 16**

**OTHER INFORMATION**

<b>Flash Point (Test Method):</b>	Not applicable	<b>Flammable Limits</b>	<b>LOWER</b>	<b>UPPER</b>
<b>Autoignition Temperature:</b>	Not applicable	(% BY VOLUME)	N/A	N/A
<b>NFPA Hazard Rating:</b>	<b>Health: 1</b>	<b>Fire: 0</b>	<b>Reactivity: 0</b>	<b>Specific: None</b>

This N.F.P.A. rating is a recommendation by the manufacturer using the guidelines or published evaluations prepared by the National Fire Protection Association (N.F.P.A.).

**MSDS Version Number: 8** (revision to product name)

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