

# Material Safety Data Sheet - U.S. Department of Labor

May be used to comply with  
OSHA's Hazard Communication Standard,  
29 CFR 1910.1200. Standard must be  
consulted for specific requirements.

Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072

IDENTITY *(As Used on Label and List)*  
**ION-14**

## Section I

Manufacturer's Name <b>Faust Bio-Agricultural Services, Inc.</b>	Emergency Telephone Number <b>(503) 838-2467</b>
Address <i>(Number, Street, City, State, and ZIP Code)</i> <b>6080 Wigrich Road, Independence, OR 97351</b>	Telephone Number for Information <b>(503) 838-2467</b>
Date Prepared: <b>8/7/13</b>	Signature of Preparer <i>(optional)</i>

## Section II - Hazard Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% <i>(optional)</i>
<b>NONE: No known chronic hazards. Not listed by NTP, IARC or OSHA as a carcinogen.</b>				

## Section III - Physical/Chemical Characteristics

Boiling Point	<b>N/A</b>	Specific Gravity (H <sub>2</sub> O = 1)	<b>.8 – 1.2</b>
pH	<b>8-9</b>		
Vapor Pressure (mm Hg.)	<b>N/A</b>	Melting Point	<b>N/A</b>
Vapor Density (AIR = 1)	<b>N/A</b>	Evaporation Rate (Butyl Acetate = 1)	<b>N/A</b>
Solubility in Water: <b>mostly soluble</b>			
Appearance and Odor: <b>Dark brown to black particles of various sizes and/or powder</b>			

## Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used): <b>Non-combustible</b>	Flammable Limits: <b>N/A</b>	LEL: <b>N/A</b>	UEL: <b>N/A</b>
Extinguishing Media: <b>N/A</b>			
Special Fire Fighting Procedures: <b>N/A</b>			
Unusual Fire and Explosion Hazards: <b>NONE</b>			

## Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid: <b>NONE</b>
	Stable	<b>X</b>	This material is stable under all conditions of use and storage.
Incompatibility ( <i>Materials to Avoid</i> ): <b>Generates heat when mixed with acid. May react with ammonium salt solutions resulting in evolution of ammonia gas. Flammable hydrogen gas may be produced on contact with aluminum, tin, lead, and zinc.</b>			
Hazardous Decomposition or Byproducts; <b>Hydrogen</b>			
Hazardous Polymerization	May Occur		Conditions to Avoid <b>NONE</b>
	Will Not Occur	<b>X</b>	

## Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation?; <b>YES</b>	Skin? <b>NO</b>	Ingestion? <b>YES</b> (large quantities)
Health Hazards ( <i>Acute and Chronic</i> ): <b>Avoid eye contact, skin and dust inhalation. Use particulate respirator.</b>			
<b>Digestive tract irritation</b>			
Carcinogenicity: <b>Unknown</b>	NTP? <b>N/A</b>	IARC Monographs? <b>None Known</b>	OSHA Regulated? <b>No</b>
Medical Conditions Generally Aggravated by Exposure: <b>Emphysema, allergies or upper-respiratory illnesses</b>			
Emergency and First Aid Procedures: <b>Should particles get in eye, wash with approved eyewash.</b>			

## Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled: <b>Clean-up with shovel, broom &amp; dustpan. Where respirator, avoid contact with skin.</b>
Waste Disposal Method: <b>Landfill or agricultural application.</b>
Precautions to Be taken in Handling and Storing: <b>Keep containers closed.</b>
Other Precautions: <b>None</b>

## Section VIII - Control Measures

Respiratory Protection ( <i>Specify Type</i> ): <b>Dust mask, protective clothing and eye protection recommended</b>		
Ventilation	Local Exhaust: <b>If in enclosed area</b>	Special: <b>N/A</b>
	Mechanical ( <i>General</i> ): <b>Regular</b>	Other: <b>N/A</b>

Protective Gloves: <b>Advised</b>	Eye Protection: <b>Approved safety glasses – particulate hazard</b>
Other Protective Clothing or Equipment: <b>N/A</b>	
Work/Hygienic Practices: <b>Good housekeeping to minimize dust.</b>	

### Section IX – Special Precautions

This product does not contain any chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372

### Section X – Shipping Information

Shipping Name: Not regulated by DOT, IATA or IMDG  
Hazard Class: None  
Identification No: None  
Labels Required: None Required  
Placarding: None  
Freight Class: 50  
Chemical Name: n/a  
Equivalent R.Q.: n/a

### Section XI – General Product Information

<b>National Fire Protection Association Rating: (Rating level: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)</b>
Health: 1
Fire: 0
Reactivity: 0
<b>S.A.R.A. Title III Hazard Classification: (yes/no)</b>
Immediate (Acute) Health: Y
Delayed (Chronic) Health: N
Sudden Release of Pressure: N
Fire: N
Reactive: N