

# SAFETY DATA SHEET

Date issued: 30-Oct-15

## John Deere J20c/D

### SECTION 1: PRODUCT IDENTIFICATION

<b>Product Name</b>	John Deere J20c/D
<b>Product Code #</b>	255
<b>CAS #</b>	Not applicable for mixtures
<b>Manufacturer</b>	Royal Mfg Co, LP
<b>Synonym</b>	Not applicable
<b>Chemical Name</b>	Not applicable
<b>Chemical Formula</b>	Not applicable
<b>Trade Secret</b>	No
<b>Address</b>	516 S. 25th West Ave. Tulsa, OK 74127
<b>Phone</b>	(918) 584-2671
<b>Emergency Contact</b>	CHEMTREC (24 hour Emergency Telephone), call: 1-800-424-9300 International CHEMTREC, call: 1-800-255-3924
<b>Recommended Use</b>	Tractor Hydraulic Fluid
<b>Restrictions on Use</b>	This product must not be used in applications other than recommended in Section 1 without taking the advice from supplier/manufacturer.

### SECTION 2: HAZARD(S) IDENTIFICATION

**Classifications:** Skin sensitization: Category 1  
Aquatic Hazard – Acute: Category 3  
Aquatic Hazard – Long-term: Category 4

**Pictograms:**



**Signal Word:** Warning

**Hazard Statements:** May cause an allergic skin reaction.  
Harmful to aquatic life.  
May cause long lasting harmful effects to aquatic life.

**Precautionary Statements:** P101: If medical advice is needed have product container or label at hand  
P102: Keep out of reach of children  
P103: Read Label before use  
P210: Keep away from Heat, hot surfaces, sparks, open flames and other ignition sources. No Smoking.  
P211: So not spray on an open flame or other ignition source.  
P232: Protect from Moisture.  
P233: Keep container tightly closed  
P273: Avoid release to the environment.  
P280: Wear protective gloves/protective clothing/eye protection/face protection

P404: Store in a closed container  
Percent of the mixture consisting of ingredient(s) of unknown toxicity: Not known

### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Designation	% of Comp.	CAS No.
Zinc Alkyldithiophosphate	1 - 5%	84605-29-8
Borate Ester	< 1.0%	Confidential
Aryl Phosphite	< 1.0%	101-02-0
Aryl Thiophosphate	< 0.1%	597-82-0

### SECTION 4: FIRST AID MEASURES

**Eyes:** Flush eyes with water for at least 15 minutes. If irritation persists, seek medical attention.  
**Skin:** Immediately remove contaminated clothing and shoes. Wash off immediately with plenty of water for at least 15 minutes. Call a physician immediately.  
**Inhalation:** Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration using a pocket mask type resuscitator. Call a physician immediately.  
**Ingestion:** Do not induce vomiting. Get immediate medical attention. Never give anything by mouth to an unconscious person.

### SECTION 5: FIRE FIGHTING MEASURES

**Fire Hazard:** No  
**Flash Point °C (°F):** > 93.0° (199.4°)  
**Flammable Limits:** LOWER: Not determined UPPER: Not determined  
**Extinguishing Media:** Water Mist  
Foam  
Dry Powder  
CO2  
**Special protective Equipment and firefighting procedures:** Not determined  
**Unusual Fire & Explosion:** Not determined

### SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Vapor protective clothing should be worn for spills and leaks with no fire. Do not touch damaged container or spilled material unless wearing appropriate protective clothing/equipment. Ventilate the closed area.  
**Spills / Leaks:** Isolate the spill/leak area in all directions for about 50 meters (150 ft) for liquids and about 25 meters (75 ft) for solids and semi-solids. Eliminate all ignition sources (no smoking, flares, sparks/flames in close vicinity). Keep unauthorized persons away and ventilate closed space before entering

### SECTION 7: HANDLING & STORAGE

**Handling:** Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure and prompt removal of material from eyes skin and clothing.  
**Storage:** Store in a sealed container in a cool, dry environment.

### SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

**Exposure Limits:**



**OSHA Permissible Exposure Limits (PELs) :** 5 mg/m<sup>3</sup>  
**Threshold Limit Values (TLVs):** 10 mg/m<sup>3</sup>

**Engineering Controls:**  
N/A

**Personal Protective Equipment:**

**Face:**

**Eyes:** Safety Glasses

**Skin:** Gloves

**Respiratory:**

**Pictograms:**



## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Amber Liquid	<b>Upper Flammability/Explosive Limit:</b>	Not determined
<b>Odor:</b>	Petroleum	<b>Lower Flammability/Explosive Limit:</b>	Not determined
<b>Odor Threshold:</b>	Not determined	<b>Vapor Pressure:</b>	Not determined
<b>pH:</b>	Not determined	<b>Vapor Density:</b>	Not determined
<b>Melting Point °C (°F):</b>	Not determined	<b>Vapor Temperature °C (°F):</b>	Not determined
<b>Freezing Point °C (°F):</b>	Not determined	<b>Relative Density/Specific Gravity:</b>	0.8790
<b>Pour Point °C (°F):</b>	-40.0° (-40.0°)	<b>Solubility:</b>	Not Water Soluble
<b>Boiling Range:</b>	N/A	<b>Partition Coefficient:</b>	Not determined
<b>Flash Point °C (°F):</b>	> 199.4° (93.0°)	<b>Auto-ignition temperature:</b>	Not determined
<b>Flash Point Method used:</b>	ASTM D92	<b>Decomposition temperature:</b>	Not determined
<b>Evaporation Rate:</b>	Not determined	<b>Viscosity (cSt):</b>	9.40 @ 100° C
<b>Flammability:</b>	None	<b>VOC Content:</b>	N/A
		<b>VOC Less Water &amp; Exempts:</b>	N/A

## SECTION 10: STABILITY AND REACTIVITY

<b>Chemical Reactivity:</b>	Not determined
<b>Chemical Stability:</b>	Stable under normal ambient temperature and conditions.
<b>Conditions to Avoid:</b>	Extreme temperature and direct sunlight/heat/flame
<b>Materials to Avoid:</b>	Strong oxidizing agents
<b>Hazardous Decomposition:</b>	Not expected

## SECTION 11: TOXICOLOGICAL INFORMATION

### Inhalation

**Description of effects from short- and long-term exposure:**

Not known

**Description of symptoms:**

Not known

**Measure of toxicity:**

Not known

### Ingestion

**Description of effects from short- and long-term exposure:**



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Not known

**Description of symptoms:**

May cause nausea and vomiting.

**Measure of toxicity:**

Not known

**Eyes**

**Description of effects from short- and long-term exposure:**

Not known

**Description of symptoms:**

Contact may cause eye irritation.

**Measure of toxicity:**

Not known

**Skin**

**Description of effects from short- and long-term exposure:**

Not known

**Description of symptoms:**

Prolonged or repeated skin contact may cause irritation.

**Measure of toxicity:**

Not known

**Carcinogens listing:**

**NTP:** No

**IARC:** No

**OSHA:** No

**GHS:** No

**Chronic Toxicity:** No

## SECTION 12: ECOLOGICAL INFORMATION

**Aquatic Toxicity:** No data available

**Biodegradability:** No data available

**Bioaccumulation:** No data available

## SECTION 13: DISPOSAL CONSIDERATION

Treatment, storage, transportation, and disposal must be in accordance with applicable federal, state/provincial, and local regulations. Regulations may vary by location.

## SECTION 14 : TRANSPORT INFORMATION

Not regulated in transportation by DOT/IMO/IATA. Not classified as dangerous in the meaning of transport regulation.

**Pictograms:**

## SECTION 15: REGULATORY INFORMATION

**OSHA Regulated Hazard:** No

**DOT Regulated:** No

**E C Classification:** Non-applicable

**TSCA Status:** In compliance with TSCA inventory requirements for commercial purposes

**SARA 312 Regulated Chemical(s):** No



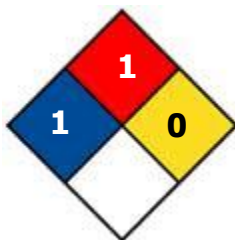
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<b>SARA 313 Regulated Chemical(s):</b>	Yes	
<b>EPA Registration Number:</b>	Non-applicable	
<b>California Prop. 65:</b>	Toluene	0.006866%
	Benzene	0.000062%
	Naphthalene	0.000060%
	Ethyl benzene	0.000060%
<b>PA Right to know Chemical(s):</b>	None known	
<b>NJ Right to know Chemical(s):</b>	None known	
<b>Additional State Regulations:</b>	None known	
<b>Canada:</b>	Non-applicable	

### SECTION 16: OTHER INFORMATION

#### NFPA



#### HMIS

John Deere J20c/D	
HEALTH	1
FLAMMABILITY	1
REACTIVITY	0
PERSONAL PROTECTION	B

The above Information is based on the present state of our knowledge of the product at the time of publication. No warranty is implied with respect to the quality or the specification of the product and the user must satisfy themselves that the product is entirely suitable for their purposes.

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