



Revision Date 17-Feb-2005

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product code 53396
Product name John Deere Yellow
Recommended Use Coating
Supplier Lawson Products, Inc.
1666 East Touhy Avenue
Des Plaines, IL 60018
(847)-827-9666

Emergency telephone number (888) 426-4851

2. HAZARDS IDENTIFICATION

Emergency Overview

Irritant. Extremely flammable.

Color Yellow

Odor Solvent

Form Aerosol

Aggravated Medical Conditions Reports have associated prolonged overexposure to solvents with permanent brain and nervous system damage.

Principal Routes of Exposure Eyes. Inhalation.

Potential health effects

Eyes Irritation. Swelling.

Skin Skin Irritation.

Inhalation May cause irritation of the nose and throat. Central nervous system effects. Drowsiness . Dizziness. Headaches. Fatigue. Exposure to hot fumes may cause nausea and damage to respiratory system. Misuse by deliberately concentrating vapors and inhaling contents can be harmful or fatal.

Ingestion No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Propane	74-98-6	10-30
N-Butane	106-97-8	7-13
Acetone	67-64-1	10-30
Barium Sulfate	7727-43-7	7-13
Ethylene glycol monopropyl ether	2807-30-9	3-7
Titanium dioxide	13463-67-7	1-5
Methyl Propyl Ketone	107-87-9	1-5
Isobutyl acetate	110-19-0	1-5
Xylene (mix)	1330-20-7	2.42
PM Acetate	108-65-6	2.19
Methylisobutyl ketone	108-10-1	3-7

4. FIRST AID MEASURES

Eye contact	Remove to fresh air. Rinse thoroughly with plenty of water, also under the eyelids. Seek medical attention if irritation persists.
Skin contact	Wash area thoroughly with soap and water. Remove and wash contaminated clothing before re-use.
Ingestion	Call a physician or Poison Control Center immediately.
Inhalation	Move to fresh air. If symptoms persist, call a physician.

5. FIRE FIGHTING MEASURES

Flash point °C	-19
Flash point °F	-2
Method	No information available

Autoignition temperature °C	No data available
Autoignition temperature °F	

Flammability Limits (% in Air)	
Upper	13.0
Lower	1.7

Specific Information for Aerosol Products

Flame extension	15"
Flashback	None

Suitable extinguishing media

Carbon dioxide (CO₂). Water spray. alcohol-resistant foam. Sand.

Extinguishing media which must NOT be used for safety reasons

No information available.

Special Fire-Fighting Procedures

None known.

Fire and Explosion Hazards

Firefighters should wear NIOSH/MSHA approved (or equivalent) self-contained pressure-demand breathing apparatus and full protective clothing.

Sensitivity to shock

No information available.

Sensitivity to static discharge

No information available.

6. ACCIDENTAL RELEASE MEASURES**Methods for cleaning up**

Personnel should wear appropriate protective equipment. Follow all precautions for handling. Please refer to appropriate sections of MSDS for additional information. Evacuate area of unprotected and unnecessary personnel. Do not allow product to reach sewage system, soil, surface or ground water, or any water course. Notify proper authorities if entry occurs. Do not flush with water or aqueous cleansing agents. Use diluted caustic solution . Soak up with inert absorbent material. Dispose of absorbent in accordance with local, state and federal regulations.

7. HANDLING AND STORAGE**Handling**

Protect against electrostatic charges. Do not smoke. Do not spray on a naked flame or any other incandescent material.

Storage

Small pressurized containers of flammable product may be stored in areas suitable for ordinary combustibles with respect to construction, drainage, control of ignition sources, and ventilation except that they should not be stored in basements. Keep away from heat. Keep away from direct sunlight. Do not freeze.

NFPA Storage Code

Store as Level 3 Aerosol (NFPA 30B)

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Exposure limits**

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Acetone	1000 ppm 2400 mg/m ³	-	500 ppm	750 ppm
Propane	1000 ppm 1800 mg/m ³	-	1000 ppm listed under aliphatic hydrocarbon gases alkane C1-C4	-
N-Butane	-	-	1000 ppm listed under aliphatic hydrocarbon gases alkane C1-C4	-
Barium Sulfate	0.5 mg/m ³ 0.5 mg/m ³ as Ba 15 mg/m ³ total dust 5 mg/m ³ respirable fraction	-	0.5 mg/m ³ 0.5 mg/m ³ as Ba 10 mg/m ³	-
Ethylene glycol monopropyl ether	-	-	-	-
Methylisobutyl ketone	100 ppm 410 mg/m ³	-	50 ppm	75 ppm
Titanium dioxide	15 mg/m ³ total dust	-	10 mg/m ³	-
Methyl Propyl Ketone	200 ppm 700 mg/m ³	-	200 ppm	250 ppm
Isobutyl acetate	150 ppm 700 mg/m ³	-	150 ppm	-
Xylene (mix)	100 ppm 435 mg/m ³	-	100 ppm	150 ppm
PM Acetate	-	-	-	-

Ventilation and Environmental Controls

Adequate ventilation should be provided to keep exposure levels below current acceptable exposure limits.

Hygiene measures

Keep away from food, drink and animal feeding stuffs. Wash hands before breaks and immediately after handling the product.

Personal protective equipment

Respiratory protection

None necessary under normal conditions. Use NIOSH approved respirator if TLV limit is exceeded.

Hand protection

Protective gloves. Impervious gloves.

Eye protection

Tightly fitting safety goggles.

Skin and body protection

No information available

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Aerosol	Color	Yellow
Odor	Solvent	Odor Threshold	No information available
pH	No data available	Specific Gravity	0.77-0.90
Vapor pressure	No data available	Vapor density	No data available
Evaporation Rate	No data available	VOC Content	46.7 %
Water solubility	No data available	Partition Coefficient (n-octanol/water)	No data available
Boiling point/range °F	-47	Boiling point/range °C	-44
Melting point/range °F	No data available	Melting point/range °C	No data available
Flash point °F	-2	Flash point °C	-19

10. STABILITY AND REACTIVITY

Stability

Stable under normal conditions.

Conditions to avoid

Do not store in temperatures above 120 degrees F.

Materials to avoid

No information available

Hazardous decomposition products

None known.

Polymerization

No information available

Synergistic Products

No information available.

11. TOXICOLOGICAL INFORMATION

Component Information

Chemical Name	LD50 (oral, rat)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat)
Acetone 67-64-1	5800 mg/kg	-	44 g/m ³ 50100 mg/m ³
Propane 74-98-6	-	-	-
N-Butane 106-97-8	-	-	658 g/m ³ 680 g/m ³
Barium Sulfate 7727-43-7	-	-	-
Ethylene glycol monopropyl ether 2807-30-9	3089 mg/kg	960 µL/kg	1530 ppm
Methylisobutyl ketone 108-10-1	2080 mg/kg	20 mL/kg	-

<i>Titanium dioxide</i> 13463-67-7	-	-	-
<i>Methyl Propyl Ketone</i> 107-87-9	1600 mg/kg	6500 mg/kg	-
<i>Isobutyl acetate</i> 110-19-0	13400 mg/kg	17400 mg/kg	-
<i>Xylene (mix)</i> 1330-20-7	4300 mg/kg	1700 mg/kg	5000 ppm
<i>PM Acetate</i> 108-65-6	8532 mg/kg	5 g/kg	-

Potential health effects**Sensitization**

No information available.

Mutagenic effects

No information available.

Reproductive toxicity

No information available

Carcinogenic effects

See table below

Chronic toxicity

No information available.

Teratogenic effects

No information available

Target Organ Effects

No information available

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Acetone	A4 - Not Classifiable as a Human Carcinogen	-	-	-	-
Propane	-	-	-	-	-
N-Butane	-	-	-	-	-
Barium Sulfate	A4 - Not Classifiable as a Human Carcinogen A4 - Not Classifiable as a Human Carcinogen (as Ba)	-	-	-	-
Ethylene glycol monopropyl ether	-	-	-	-	-
Methylisobutyl ketone	-	-	-	-	-
Titanium dioxide	A4 - Not Classifiable as a Human Carcinogen	-	-	-	-
Methyl Propyl Ketone	-	-	-	-	-
Isobutyl acetate	-	-	-	-	-
Xylene (mix)	A4 - Not Classifiable as a Human Carcinogen	-	-	-	-
PM Acetate	-	-	-	-	-

Specific Hazards

Reports have associated repeated and prolonged occupational exposure to solvents with permanent brain damage.

12. ECOLOGICAL INFORMATION

Aquatic toxicity

Acetone

Water Flea Data*water flea LC50=0.0039 mg/L (48 h)**water flea EC50=12700 mg/L (48 h)*

Methylisobutyl ketone

Microtox Data*Photobacterium phosphoreum EC50=79.6 mg/L (5 min)***Water Flea Data***water flea EC50=4280.0 mg/L (24 h)*

Xylene (mix)

Microtox Data*Photobacterium phosphoreum EC50=0.0084 mg/L (24 h)*

Water Flea Data*water flea EC50=3.82 mg/L (48 h)***13. DISPOSAL CONSIDERATIONS****Waste from residues / unused products**

Dispose in accordance with federal, state, and local regulations. Do not puncture or incinerate. Please recycle empty container whenever possible.

14. TRANSPORT INFORMATION**DOT**

Consumer commodity (Propane,N-Butane),ORM-D,

TDG

AEROSOLS(Propane,N-Butane), Class 2.1,UN1950,PG

IMDG/IMO

Aerosols(Propane,N-Butane),UN1950,PG

IATA

Aerosols, flammable(Propane,N-Butane),UN1950
Hazard Class 2.1

MEX

UN1950 Aerosols(Propane,N-Butane),2.2,

15. REGULATORY INFORMATION

Chemical Name	US EPA SARA 313 Emission Reporting
Barium Sulfate	Listed Listed
Ethylene glycol monopropyl ether	Listed
Methylisobutyl ketone	Listed
Xylene (mix)	Listed

State Regulations

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Acetone	Listed	Listed	Not Listed
Propane	Listed	Listed	Not Listed
N-Butane	Not Listed	Listed	Not Listed
Barium Sulfate	Not Listed	Listed Listed	Not Listed
Ethylene glycol monopropyl ether	Not Listed	Listed	Not Listed
Methylisobutyl ketone	Listed	Listed	Not Listed
Titanium dioxide	Not Listed	Listed	Not Listed
Methyl Propyl Ketone	Not Listed	Listed	Not Listed
Isobutyl acetate	Listed	Listed	Not Listed
Xylene (mix)	Not Listed	Listed	Not Listed
PM Acetate	Not Listed	Not Listed	Not Listed

International Inventories

Chemical Name	EINECS	DSL	NDSL	TSCA
Acetone	X	X	-	X
Propane	X	X	-	X
N-Butane	X X	X	-	X
Barium Sulfate	X X	X	-	X
Ethylene glycol monopropyl ether	X	X	-	X
Methylisobutyl ketone	X	X	-	X
Titanium dioxide	X X X	X	-	X
Methyl Propyl Ketone	X	X	-	X
Isobutyl acetate	X	X	-	X
Xylene (mix)	X	X	-	X
PM Acetate	X	X	-	X

CPRC

This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all of the information required by the Controlled Product Regulations

16. OTHER INFORMATION

NFPA		HMIS	
Health	1	Health	1
Flammability	4	Flammability	4
Reactivity	3	Physical Hazard	3

Reason for revision No information available.

Prepared By T. Heidorn, MSDS Project Lead

The information accumulated herein is believed to be accurate, but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.