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Version

1. IDENTIFICATION

Product Identifier

Product Name DS 2475 DRAWING & STAMPING OIL

Other means of identification

SDS #

Item# E-2475-05, E-2475-55, E-2475-275

Recommended use of the chemical and restrictions on use

Recommended Use Metalworking fluid.

Details of the supplier of the safety data sheet

Supplier Address

Ashburn Chemical Technologies
7403 Wright Rd
Houston, TX 77041

Emergency Telephone Number

Company Phone Number

832-399-1000

Emergency Telephone (24 hr)

INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance Clear, yellow

Physical State Liquid

Odor Mild

Classification

The classification and labeling information in this Safety Data Sheet should be viewed as provisional, as the ingredient's percentages are kept as a trade secret.

Skin corrosion/irritation	Category 1B
Specific Target Organ Toxicity - single exposure (Respiratory tract)	Category 3

Signal Word

WARNING

Hazard Statements

Causes severe skin burns and eye damage

May cause respiratory tract irritation



Precautionary Statements - Prevention

Do not breathing dust/fume/gas/mist/spray.

Wash face, hands and any exposed skin thoroughly after handling

Wear protective gloves/protective clothing/eye protection/face protection.

Use only outdoors or in a well-ventilated area

Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 Immediately call a poison center or doctor/physician
 IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reusing
 If skin irritation occurs: Get medical attention.
 If SWALLOWED: rinse mouth. Do NOT induce vomiting
 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

Precautionary Statements – Storage

Store in a well-ventilated place. Keep Container tightly closed
 Store locked up.

Precautionary Statements – Disposal

Disposal of contents in accordance with local regulation

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Castor Oil	8001-79-4	20-50
Phosphoric Acid, 2-ethylhexyl ester	12645-31-7	1-20

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

General Advice	Provide this SDS to medical personnel for treatment.
Eye Contact	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.
Skin Contact	Wash contact areas with soap and water. Remove contaminated clothing and wash before reuse. If skin irritation persists, call a physician.
Inhalation	Remove person to fresh air and keep at a comfortable position for breathing. Get medical advice/attention if you feel unwell or are concerned.
Ingestion	Do not induce vomiting without medical advice. Seek immediate medical attention/advice.
Symptoms	May cause eye, skin and respiratory tract irritation. May include pain or irritation, eye watering, redness, mouth/throat/stomach burn or irritation
Notes to Physician	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Use water fog, foam, dry chemical or carbon dioxide (CO ₂) to extinguish flames. Do not use a heavy water stream
Specific Hazards Arising from the Chemical	Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries
Hazardous Combustion Products	Oxides of carbon, fume, gas

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions** Avoid contact with skin or eyes.
See SECTION 8 for Personal Protective Equipment
- Environmental Precautions** Prevent entry into waterways, rivers, lakes, drains, surface water, or ground water.
Prevent further leakage or spillage if safe to do so.
See SECTION 12 for Ecological Information
- Methods for Clean-Up** Absorb or cover with dry earth, sand or other non-combustible material.
Sweep up absorbed material and shovel into suitable containers for disposal.
Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations.
See SECTION 13 for Waste Disposal

7. HANDLING AND STORAGE

- Advice on Safe Handling** Handle in accordance with good industrial hygiene and safety practice.
Avoid breathing fumes, vapors, mists, spray.
Wash face, hands, and any exposed skin thoroughly after handling.
Contaminated work clothing should not be allowed out of the workplace.
See SECTION 8 for Personal Protection.
See SECTION 2 for Precaution Statements.
- Storage Conditions** Keep container tightly closed and store in a cool, dry and well-ventilated place.
Do not store in open or unlabeled containers.
Store away from heat and open flame. Storage temperature > 40 °F.
- Incompatible Materials** See SECTION 10

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Engineering Controls** Maintain eye wash fountain and quick-drench facilities in work area.

Individual protection measures, such as personal protective equipment

- Eye/Face Protection** Safety glasses with side shields.
- Skin Protection** Wear suitable protective clothing and chemical resistant gloves.
- Respiratory Protection** Ensure adequate ventilation, especially in confined areas.
- General Hygiene Considerations** Avoid contact with skin, eyes and clothing.
After handling this product, wash hands before eating, drinking, or smoking.
Remove contaminated clothing and lauder before reuse

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Liquid	Odor	Mild
Appearance	Clear	Odor Threshold	Not determined
Color	Yellow		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	N/A	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	> 150 °C / 302 °F	(estimated)
Flash Point	> 230 °C / 446 °F	
Evaporation Rate	< 1.0	(butyl acetate = 1)
Flammability (Solid, Gas)	Not determined	
Upper Flammability Limits	Not determined	
Lower Flammability Limit	Not determined	
Vapor Pressure	Not determined	@68° F(20°C)
Vapor Density	Not determined	(Air=1)
Specific Gravity	0.99	(1=Water)
Water Solubility	Insoluble	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	Not auto-flammable	
Decomposition Temperature	Not determined	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	
VOC Content (%)	Not determined	

10. STABILITY AND REACTIVITY

Reactivity	Not reactive under normal conditions.
Chemical Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reactions	None under normal processing.
Conditions to Avoid	Incompatible Materials and extreme heat.
Incompatible Materials	Strong Acid. Strong base. Strong oxidizers
Hazardous Decomposition Products	Thermal decomposition and combustion are not expected to occur except under extreme conditions.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Eye Contact	May cause serious eye burns.
Skin Contact	May harmful in contact with skin.
Inhalation	May cause irritation to the mucous membranes and upper respiratory tract.
Ingestion	May cause burns or irritation of the lining of the mouth, throat, and gastrointestinal tract

Information on physical, chemical and toxicological effects

Symptoms	Please see section 4 of this SDS for symptoms.
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Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity	Carcinogenic potential is unknown.
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Numerical measures of toxicity Not determined

12. ECOLOGICAL INFORMATION

Ecotoxicity May be harmful to aquatic life with long lasting effects.

Persistence/Degradability Biodegradation: Expected to be slowly biodegradable. Natural carbon dioxide will slowly neutralize this material.

Bioaccumulation No data available

Mobility No data available

Other Adverse Effects No data available

13. DISPOSAL CONSIDERATIONS

Disposal of Wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT Not regulated

IATA Not regulated

IMDG Not regulated

15. REGULATORY INFORMATION

International Regulations The component of this product is listed on the chemical inventories of the following countries:
 CASTOR OIL CAS#8001-79-4
 Australia (AICS), Canada (DSL orNDSL), China (IECSC), Europe (EINECS, ELINCS)
 Japan (METI/CSCL, MHLW/ISHL), South Korea (KECI), New Zealand (NZIoC)
 Philippines (PICCS), Switzerland (SWISS), Taiwan (NECSI), USA (TSCA)

US Federal Regulations TSCA 8(b) inventory: CASTOR OIL CAS#8001-79-4

SARA 311/312 Hazard Categories CASTOR OIL CAS#8001-79-4
 Acute Health Hazard
 PHOSPHORIC ACID, 2-Ethylhexyl Ester CAS# 12645-31-7
 Acute Health Hazard

US State Regulations

U.S. State Right-to-Know Regulations
 None known

16. OTHER INFORMATION

<u>NFPA</u>	Health Hazards	Flammability	Instability	Special Hazards
	1	1	0	Not determined
<u>HMIS</u>	Health Hazards	Flammability	Physical Hazards	Personal Protection
	1	1	0	Not determined

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Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet