

Issue Date: 19-Jun-2015

Revision Date: 23-Aug-2019

Version 2

1. IDENTIFICATION

Product Identifier

Product Name

DS 6000 PLUS DRAWING & STAMPING FLUID (Undyed)

Other means of identification

SDS

Item # E-2661-05

E-2661-14

E-2661-55

E-2661-275

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

Classification

Classified according to OSHA HazCom 29CFR 1910.1200(d) and the Canadian Hazardous Products Regulation: This chemical does not meet the hazardous criteria set forth by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Supplemental Information

Low hazard for usual industrial or commercial handling

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Triethanolamine	102-71-6	10-30
Polyalkylene Glycol Monobutyl Ether	9038-95-3	1-5
Hexahydro-1,3,5-tris(2-hydroxyethyl)-S-triazine	4719-04-4	1-5

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

First Aid Measures

General Advice	When possible, have the product container or label with you when calling a poison control center or doctor or going for treatment. If exposed or concerned: Get medical advice/attention.
Eye Contact	Flush immediately with plenty of water for 15 minutes. If irritation persists, see physician.
Skin Contact	Wash contact areas with soap and water. If skin irritation persists, call a physician.
Inhalation	Remove from further exposure. If irritation persists, seek medical assistance.
Ingestion	Rinse mouth. Do not induce vomiting without medical advice. If symptoms persist, call a physician.

Most important symptoms and effects

Symptoms	No significant symptoms are expected due to the non-classification of the product. No hazard is expected under intended use and appropriate handling. See SECTION 11 for delayed and chronic effects.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically
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5. FIRE-FIGHTING MEASURES**Extinguishing Media**

Suitable extinguishing media	Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.
Unsuitable Extinguishing Media	None known.

Special Hazards Arising from the Chemical

Fire hazard	Not flammable
Explosion hazard	None known
Reactivity hazard	None known

Protective equipment and precautions for firefighters

Firefighting Instructions	Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent firefighting water from entering drains or water courses.
Protection during firefighting	Wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Personal Precautions	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective gloves and clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. See SECTION 8 for Personal Protective Equipment.
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Environmental Precautions Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases.
Prevent further leakage or spillage if safe to do so.
Avoid discharge into drains, water courses or onto the ground.

Methods and material for containment and cleaning up

Methods for Containment Absorb or cover with inert absorbent material (ie. dry earth, sand or other non-combustible material). Sweep up absorbed material and shovel into suitable containers for disposal. If the product contaminates rivers and lakes or drains inform respective authorities. Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations. See SECTION 13 for Waste Disposal.

Methods for Clean-Up Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use.
For waste disposal, see section 13 of the SDS.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on Safe Handling Handle in accordance with good industrial hygiene and safety practice. Wash face, hands, and any exposed skin thoroughly after handling. See SECTION 8 for Personal Protection. See SECTION 2 for Precaution Statements.

Conditions for safe storage, including any incompatibilities

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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Triethanolamine (5-8%) cas # 102-71-6	TWA: 5 mg/m ³	-	-
2-aminoethanol (0.03 – 0.04%) cas # 7664-38-2	TWA: 7.5 mg/m ³ 8 hours STEL: 15 mg/m ³ 15 mins	TWA: 6 mg/m ³	TWA: 8 mg/m ³ STEL: 15 mg/m ³

Appropriate engineering controls

Engineering Controls Provide exhaust ventilation or adequate ventilation is required to keep airborne concentrations of vapors below their respective threshold limit value (TLV). Maintain eye wash fountain and quick-drench facilities in work area.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Safety glasses or tightly fitting safety goggles.

Skin and Body Protection If prolonged or repeated contact is likely, chemical, and oil resistant clothing is recommended. Wear suitable gloves resistant to chemical penetration.

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.

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

Physical State	Liquid	Odor	Mild
Appearance	transparent	Odor Threshold	Not determined
Color	Light yellow		
<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>	
pH	8.3 – 8.6		
Melting Point/Freezing Point	Not determined		
Boiling Point/Boiling Range	100 °C / 212 °F		
Flash Point	Not determined		
Evaporation Rate	< 1.0	(butyl acetate = 1)	
Flammability (Solid, Gas)	Not determined		
Upper Flammability Limits	Not determined		
Lower Flammability Limit	Not determined		
Vapor Pressure	< 1.0	@ 68°F (20 ° C)	
Vapor Density	< 1.0	(Air=1)	
Specific Gravity	1.045 – 1.055	(1=Water)	
Water Solubility	Completely soluble		
Solubility in other solvents	Not determined		
Partition Coefficient	Not determined		
Auto-ignition Temperature	Not determined		
Decomposition Temperature	Not determined		
Kinematic Viscosity	Not determined		
Dynamic Viscosity	Not determined		
Explosive Properties	None		
Oxidizing Properties	Non oxidizing		

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**

Direct sunlight. Extremely high or low temperatures.

Incompatible Materials

Strong acids. Strong bases.

Hazardous Decomposition Products Under normal conditions of storage and use, hazardous decomposition products should not be produced.**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure****Product Information****Eye Contact**

May cause temporary irritation on eye contact.

Skin Contact	Prolonged contact may cause redness or slight irritation.
Inhalation	May cause irritation.
Ingestion	May be harmful if swallowed.

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	Not classified.
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12. ECOLOGICAL INFORMATION

<u>Ecotoxicity</u>	Not expect to be harmful to aquatic organisms.
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<u>Persistence/Degradability</u>	Not determined.
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<u>Bioaccumulation</u>	Not determined.
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<u>Mobility</u>	Not determined
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<u>Other Adverse Effects</u>	Avoid release into the environment
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13. DISPOSAL CONSIDERATIONS**Waste Treatment Methods**

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

<u>DOT</u>	Not regulated
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<u>IATA</u>	Not regulated
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<u>IMDG</u>	Not regulated
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15. REGULATORY INFORMATION**International Inventories**

All components are listed

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

*AICS - Australian Inventory of Chemical Substances***US Federal Regulations****TSCA 8(b) inventory:**

All components are listed or exempted.

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

SARA 311/312 Hazard Categories

This material, as supplied, does not contain any substances subject to the requirements of SARA Sections 311/312 (40 CFR 370)

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

US State Regulations**California Proposition 65**

This product does NOT contain any chemicals known to the state of California to cause cancer or reproductive harm.

16. OTHER INFORMATION

<u>NFPA</u>	Health Hazards	Flammability	Instability	Special Hazards
	1	0	0	
<u>HMIS</u>	Health Hazards	Flammability	Physical Hazards	
	1	0	0	

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Revision Note:	Revised SDS to new formulation. DEL

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