



DuPont™ Penetrant with Teflon® fluoropolymer - Liquid

SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Chemical Name	Not applicable.
CAS No.	Mixture
Trade Name	DuPont™ Penetrant with Teflon® fluoropolymer - Liquid
Product Code	None

Relevant identified uses of the substance or mixture and uses advised against

Identified Use(s)	Lubricant
Uses Advised Against	None
Company Identification	Finish Line Technologies, Inc. 50 Wireless Blvd. Hauppauge, NY 11788

Telephone	(631) 666-7300
E-Mail (competent person)	SDSinfo@finishlineusa.com

Emergency telephone number

Emergency Phone No.	Medical Emergency: PROSAR 24 hr: 1-800-217-5157 / 1-651-523-0304 Transportation Emergency: CHEMTREC 24 hr: 1-800-424-9300 / 1 (703) 527-3887 (Collect calls accepted)
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SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

OSHA HCS (29 CFR 1910.1200) Flam. Liq. 4; Eye Irrit. 2; Skin Irrit. 2; STOT SE 3; Asp. Tox. 1

Label elements

Hazard Symbol



DANGER

Signal word(s)

Hazard Statement(s)

Combustible liquid
May be fatal if swallowed and enters airways.
Causes serious eye irritation.
Causes skin irritation.
May cause drowsiness or dizziness.

Precautionary Statement(s)

Keep away from flames and hot surfaces. No smoking.
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.
Avoid breathing vapours.
Keep out of reach of children.

Other hazards

None



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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredient(s)	% wt.	CAS No.
Distillates (petroleum) hydrotreated light	70 - 80	64742-47-8
Distillates (petroleum), hydrotreated heavy naphthenic	5 - 10	64742-52-5
Additives	~ 1	Trade Secret

Additional Information - Substances in the product which may present a health or environmental hazard, or which have been assigned occupational exposure limits, are detailed below.:

- Dipropylene glycol monomethyl ether (CAS No. 34590-94-8); 5 - 10%

SECTION 4: FIRST AID MEASURES



Description of first aid measures

Inhalation	Move person to fresh air. If breathing is labored, administer oxygen. If symptoms develop, obtain medical attention.
Skin Contact	Wash affected skin with soap and water. If irritation (redness, rash, blistering) develops, get medical attention. Take off contaminated clothing and wash it before reuse.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.
Ingestion	Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. Do not give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed May be fatal if swallowed and enters airways.

Indication of any immediate medical attention and special treatment needed IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media	
-Suitable Extinguishing Media	Extinguish with carbon dioxide, dry chemical, foam or water spray.
-Unsuitable Extinguishing Media	Do not use water jet.
Special hazards arising from the substance or mixture	Combustible but not readily ignited.
Advice for fire-fighters	A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Keep containers cool by spraying with water if exposed to fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Keep away from flames and hot surfaces. No smoking. Wear protective gloves/eye protection. Avoid contact with skin and eyes. Avoid breathing vapours.
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Environmental precautions	Prevent liquid entering sewers, basements and workpits.
Methods and material for containment and cleaning up	Cover spills with inert absorbent material. Transfer to a container for disposal or recovery.
Reference to other sections	None
Additional Information	None

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling	Keep away from flames and hot surfaces. No smoking. Wear protective gloves/eye protection. Avoid contact with skin and eyes. Use product in a well-ventilated area only. Avoid breathing vapours.
Conditions for safe storage, including any incompatibilities	
-Storage temperature	Keep out of reach of children. Keep in a cool, well ventilated place. Keep container tightly closed.
-Incompatible materials	This product should be stored away from sources of strong heat or oxidising chemicals.
Specific end use(s)	Lubricant

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

SUBSTANCE.	CAS No.	(8hr TWA)		STEL		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
Dipropylene glycol monomethyl ether	34590-94-8	100 ppm	100 ppm	-----	150 ppm	Skin
C9-C15 Alkanes & Cycloalkanes	-----	-----	1200 mg/m ³	-----	-----	-----
Mineral oils / Oil Mist	-----	5 mg/m ³	5 mg/m ³ ⁽¹⁾	-----	-----	⁽¹⁾ Inhalable

Recommended monitoring method NIOSH 1500 (hydrocarbons, B.P. 36 - 216 °C) ; NIOSH 5026 (Oil mist; mineral); NIOSH 2554 (Glycol ethers)

Exposure controls

Appropriate engineering controls Provide adequate ventilation to ensure that the occupational exposure limit is not exceeded.

Personal protection equipment

Eye/face protection



Wear protective eyewear (goggles, face shield, or safety glasses).

Skin protection (Hand protection/ Other)



Wear suitable gloves if prolonged skin contact is likely (Nitrile rubber or Butyl rubber)

Respiratory protection



In case of insufficient ventilation, wear suitable respiratory equipment. Check with protective equipment manufacturer's data.

Thermal hazards

Not normally required.

Environmental Exposure Controls

Avoid release to the environment.



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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Liquid
Color	Not available
Odor	Negligible
Odor Threshold (ppm)	Not available
pH (Value)	Not available
Melting Point (°C) / Freezing Point (°C)	Not available
Boiling point/boiling range (°C):	~ 226.7 – 287.8
Flash Point (°C)	~ 81.11
Evaporation Rate	Not available
Flammability (solid, gas)	Not applicable
Explosive Limit Ranges	Not available
Vapour pressure (Pascal)	<13
Vapour Density (Air=1)	~ 6.2
Density (g/ml)	Not available
Solubility (Water)	Insoluble
Solubility (Other)	Not available
Partition Coefficient (n-Octanol/water)	Not available
Auto Ignition Point (°C)	Not available
Decomposition Temperature (°C)	Not available
Kinematic Viscosity (cSt)	<20 @ 40 °C
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
Other information	None

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Stable under normal conditions.
Chemical stability	Stable.
Possibility of hazardous reactions	None anticipated.
Conditions to avoid	Avoid contact with heat and ignition sources.
Incompatible materials	Strong oxidising agents and Reducing agents. Acids and Alkalis.
Hazardous decomposition product(s)	Carbon monoxide, Carbon dioxide, Acrid smoke, Other

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes: Inhalation, Skin Contact, Eye Contact

Toxicity - Substances in preparations / mixtures

Information on toxicological effects

Distillates (petroleum) hydrotreated light (CAS# 64742-47-8) - By analogy with similar materials:

Acute toxicity	Oral: LD50 >5000 mg/kg-bw (rat) Dermal: LD50 >2000 mg/kg-bw (rabbit) Inhalation: LC50 >5.28 mg/L (air), 4-hr. rat May cause drowsiness or dizziness. May be fatal if swallowed and enters airways.
Irritation/Corrosivity	Causes skin irritation. Repeated exposure may cause skin dryness or cracking.
Sensitization	It is not a skin sensitizer.
Repeated dose toxicity	No information available
Carcinogenicity	No data. It is unlikely to present a carcinogenic hazard to man.



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NTP	IARC	ACGIH	OSHA	NIOSH
No.	No.	No.	No.	No.

Mutagenicity No information available
 Toxicity for reproduction No information available

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Distillates (petroleum) hydrotreated light (CAS# 64742-47-8) - By analogy with similar materials:

Short term LL50 (96 hour): 2 – 5 mg/L (*Oncorhynchus mykiss*)
 EL50 (48 hour): 1.4 mg/l (*Daphnia magna*, mobility)
 EC50 (72 hour): 1 - 3 mg/l (*Pseudokirchnerella subcapitata*)

Long Term NOEL (28 days) 0.098 mg/l (*Fish*) QSAR
 NOEL (21 days): 0.48 mg/l (*Daphnia magna*)

Persistence and degradability Inherently biodegradable
 Bioaccumulative potential Not available.
 Mobility in soil Not available.
 Results of PBT and vPvB assessment Not classified as PBT or vPvB.
 Other adverse effects None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

SECTION 14: TRANSPORT INFORMATION

	Land transport (U.S. DOT)*	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN number	NA 1993		Not classified as dangerous for transport.
Proper Shipping Name	Combustible liquid, n.o.s. (Contains: Petroleum Distillate)		
Transport hazard class(es)	Comb. Liq.		
Packing group	III		
Hazard label(s)	Combustible Liquid		
Environmental hazards	No		
Special precautions for user	None assigned		

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

*Not regulated for ground shipments in the U.S. in non-bulk packaging (<119 gallons).

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

TSCA (Toxic Substance Control Act) - Inventory Status: All components listed or polymer exempt.

TSCA 12(b) Export Notification: CAS 9002-84-0 Polytetrafluoroethylene

Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)
None	----	----	----



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SARA 311/312 - Hazard Categories:

Fire Sudden Release Reactivity Immediate (acute) Chronic (delayed)

SARA 313 - Toxic Chemicals (40 CFR 372):

Chemical Name	CAS No.	Typical %wt.
None	----	----

SARA 302 - Extremely Hazardous Substances(40 CFR 355):

Chemical Name	CAS No.	Typical %wt.	TPQ (pounds)
None	----	----	----

California Proposition 65 List:

Chemical Name	CAS No.	Type of Toxicity
None	----	----

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

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