



# DuPont™ Non-Stick Dry Film Lubricant Bulk

## SAFETY DATA SHEET

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH) & 1272/2008 (CLP)

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

<b>1.1 Product identifier</b>		
GHS Product Identifier		Not applicable.
Chemical Name		Not applicable.
Trade name		DuPont™ Non-Stick Dry Film Lubricant
CAS No.		Mixture
EINECS No.		Mixture
<b>1.2 Relevant identified uses of the substance or mixture and uses advised against</b>		
Identified use(s)		Lubricant
Uses advised against		None.
<b>1.3 Details of the supplier of the safety data sheet</b>		
Company Identification		Finish Line Technologies, Inc. 50 Wireless Blvd. Hauppauge, NY 11788 USA
Telephone		+1 (631) 666-7300
Fax		+1 (631) 666-7391
E-Mail (competent person)		<a href="mailto:SDSinfo@finishlineusa.com">SDSinfo@finishlineusa.com</a>
Distributor		Madison Distribution Centre 5 Roebuck way Milton Keynes, Buckinghamshire, MK5 8HL United Kingdom
Telephone		+44 (0) 1908 326032
<b>1.4 Emergency telephone number</b>		
Emergency Phone No.		<b>Medical Emergency:</b> PROSAR 24 hr: 1-800-217-5157 / 1-651-523-0304  <b>Transportation Emergency:</b> CHEMTREC 24 hr. 1-800-424-9300 / 1 (703) 527-3887 (Collect calls accepted)

### SECTION 2: HAZARDS IDENTIFICATION

<b>2.1 Classification of the substance or mixture</b>		
Regulation (EC) No. 1272/2008 (CLP).		Flam. Liq. 2; Asp. Tox. 1; Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; Aquatic Chronic 2
<b>2.2 Label elements</b>		
Hazard Symbol		
Signal word(s)	<b>Danger</b>	
Hazard statement(s)		H225: Highly flammable liquid and vapour. H304: May be fatal if swallowed and enters airways. H315: Causes skin irritation. H319: Causes serious eye irritation. H336: May cause drowsiness or dizziness. H411: Toxic to aquatic life with long lasting effects.



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Precautionary statement(s)

P210: Keep away from heat/sparks/open flames/hot surfaces. – No smoking.  
 P264: Wash (hands and exposed skin) thoroughly after handling.  
 P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
 P331: Do NOT induce vomiting.  
 P102: Keep out of reach of children.

2.3 Other hazards

None

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Mixtures

Regulation (EC) No. 1272/2008 (CLP): Substances in the product which may present a health or environmental hazard, or which have been assigned occupational exposure limits, are detailed below.

Hazardous Ingredient(s)	%W/W	EC No. CAS No. EC INDEX No. REACH Registration No.	According to Regulation (EC) No. 1272/2008 (CLP)
Isopropanol	60 - 70	200-661-7 67-63-0 603-117-00-0 None	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	30- 32	927-510-4 None None 01-2119475515-33-0015	Flam. Liq. 2; H225 Asp. Tox. 1; H304 Skin Irrit. 2; H315 STOT SE 3; H336 Aquatic Chronic 2; H411

For full text of H/P Statements see section 16.

## SECTION 4: FIRST AID MEASURES



### 4.1 Description of first aid measures

Inhalation

Move person to fresh air. If breathing is laboured, administer oxygen. If symptoms develop, obtain medical attention.

Skin Contact

Wash affected skin with soap and water. If symptoms develop, obtain medical attention.

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/doctor. Do NOT induce vomiting. Do not give anything by mouth to an unconscious person.

### 4.2 Most important symptoms and effects, both acute and delayed

Will cause skin irritation. Vapours may cause drowsiness and dizziness.

### 4.3 Indication of the immediate medical attention and special treatment needed

None



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## SECTION 5: FIRE-FIGHTING MEASURES

- 5.1 Extinguishing media**  
 -Suitable Extinguishing Media Extinguish with carbon dioxide, dry chemical, foam or waterspray.  
 -Unsuitable Extinguishing Media Do not use water jet.
- 5.2 Special hazards arising from the substance or mixture** Highly flammable vapour (flash point below 23°C).
- 5.3 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

- 6.1 Personal precautions, protective equipment and emergency procedures** Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Avoid contact with skin and eyes. Use product in a well-ventilated area only.
- 6.2 Environmental precautions** Prevent substance entering sewers.
- 6.3 Methods and material for containment and cleaning up** Cover spills with inert absorbent material. Transfer to a container for disposal or recovery.
- 6.4 Reference to other sections** None

## SECTION 7: HANDLING AND STORAGE

- 7.1 Precautions for safe handling** Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Avoid contact with skin and eyes. Use product in a well-ventilated area only.
- 7.2 Conditions for safe storage, including any incompatibilities**  
 -Storage Temperature Keep container in a well-ventilated place. Store at temperatures not exceeding 38°C/100°F.  
 -Incompatible materials None
- 7.3 Specific end use(s)** Lubricant

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters**  
**8.1.1 Occupational Exposure Limits**

SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note:
Isopropanol	67-63-0	400	999	500	1250	UK WEL
Normal and branched chain alkanes ≥C7	Mixture	-----	1200	-----	-----	UK WEL
Cycloalkanes ≥C7	Mixture	-----	800	-----	-----	UK WEL

- UK WEL: Workplace Exposure Limit (UK HSE EH40)

Biological limit value				
Limit value type (country of origin)	SUBSTANCE.	CAS No.	Biological limit value	Note:
None known	None	-----	None	None



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<b>8.1.2 Recommended monitoring method</b>	UK HSE Method 96 (n-Heptane & isopropanol)
<b>8.2 Exposure controls</b>	
<b>8.2.1 Appropriate engineering controls</b>	Use only with adequate ventilation to keep exposures (airborne levels of dust, fume, vapour etc) below recommended exposure limits.
<b>8.2.2 Personal protection equipment</b>	
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)
Respiratory protection 	Normally no personal respiratory protection is necessary. In case of insufficient ventilation, wear suitable respiratory equipment.
Thermal hazards	Not normally required.
<b>8.2.3 Environmental Exposure Controls</b>	None assigned.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>9.1 Information on basic physical and chemical properties</b>	
Appearance	Liquid
Colour	Colourless
Odour	Mild isopropanol solvent
Odour Threshold (ppm)	Not available
pH (Value)	Not available
Melting Point (°C) / Freezing Point (°C)	Not available
Boiling point/boiling range (°C):	82 (isopropanol)
Flash Point (°C)	12 (isopropanol)
Evaporation rate	Not available
Flammability (solid, gas)	Highly flammable
Explosive limit ranges	2-13% (isopropanol)
Vapour Pressure (Pascal)	Not available
Vapour Density (Air=1)	Not available
Density (g/ml)	Not available
Solubility (Water)	Not available
Solubility (Other)	Not available
Partition Coefficient (n-Octanol/water)	Not available
Auto Ignition Temperature (°C)	Not available
Decomposition Temperature (°C)	Not available
Kinematic Viscosity (cSt)	<20 @ 40 °C
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.
<b>9.2 Other information</b>	Not available

## SECTION 10: STABILITY AND REACTIVITY

<b>10.1 Reactivity</b>	Stable under normal conditions.
<b>10.2 Chemical stability</b>	Stable.



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10.3	Possibility of hazardous reactions	None anticipated.
10.4	Conditions to avoid	Avoid contact with heat and ignition sources.
10.5	Incompatible materials	Strong Acids.
10.6	Hazardous Decomposition Product(s)	None known

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### 11.1.1 Substances

Not applicable

#### 11.1.2 Mixtures

Acute toxicity	Not available
Skin corrosion/irritation	Not available
Serious eye damage/irritation	Not available
Respiratory or skin sensitization	Not available
Germ cell mutagenicity	Not available
Carcinogenicity	Not available
Reproductive toxicity	Not available
STOT - single exposure	Not available
STOT - repeated exposure	Not available
Aspiration hazard	Not available

#### 11.1.3 Substances in preparations / mixtures

##### Isopropanol (CAS# 67-63-0)

Acute toxicity	Oral: LD50 = 5.84 g/kg (rat) Inhalation: LC50 > 1000 ppm (rat) 6 hour(s) Dermal: LD50 = 16.4 ml/kg (rabbit) 24 hour(s)
Skin corrosion/irritation	Not to be expected.
Serious eye damage/irritation	Irritating to eyes.
Respiratory or skin sensitization	It is not a skin sensitiser.
Germ cell mutagenicity	Not to be expected.
Carcinogenicity	Not to be expected.
Reproductive toxicity	Not to be expected.
STOT - single exposure	May cause drowsiness or dizziness.
STOT - repeated exposure	Not to be expected.
Aspiration hazard	Not available

##### Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics (EC No. 927-510-4):

Acute toxicity	Oral: LD50 >5840 mg/kg-bw Dermal: LD50 >2920 mg/kg-bw Inhalation: LC50 >2330 mg/m3
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/irritation	Not to be expected.
Respiratory or skin sensitization	Not to be expected.
Germ cell mutagenicity	Not to be expected.
Carcinogenicity	Not to be expected.
Reproductive toxicity	Not to be expected.
STOT - single exposure	May cause drowsiness or dizziness.
STOT - repeated exposure	Not to be expected.
Aspiration hazard	Aspiration of droplets may cause pulmonary oedema.

#### 11.2 Other information

None known.

## SECTION 12: ECOLOGICAL INFORMATION

### Substances in preparations / mixtures:

#### 12.1 Toxicity

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics (EC No. 927-510-4) - By analogy with similar materials:



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<b>Short term</b>	LL50 (96 hour): >13.4 mg/L ( <i>Oncorhynchus mykiss</i> ) EL50 (48 hour): 3 mg/l ( <i>Daphnia magna</i> , mobility) EC50 (96 hour): 13 mg/l ( <i>Pseudokirchnerella subcapitata</i> )
<b>Long Term</b>	NOELR (28 days) 1.5 mg/l ( <i>Fish</i> ) QSAR LOEC (21 days): 0.32 mg/l ( <i>Daphnia magna</i> ) NOEL (96 hour) 6.3 mg/l ( <i>Algae</i> )
<b>12.2 Persistence and degradability</b>	Readily biodegradable.
<b>12.3 Bioaccumulative potential</b>	The product has no potential for bioaccumulation.
<b>12.4 Mobility in soil</b>	Not available.
<b>12.5 Results of PBT and vPvB assessment</b>	Not classified as PBT or vPvB.
<b>12.6 Other adverse effects</b>	None known.

## SECTION 13: DISPOSAL CONSIDERATIONS

<b>13.1 Waste treatment methods</b>	Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.
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## SECTION 14: TRANSPORT INFORMATION

	<b>Land transport (ADR/RID)</b>	<b>Sea transport (IMDG)</b>	<b>Air transport (ICAO/IATA)</b>
<b>14.1 UN number</b>	1993	1993	1993
<b>14.2 Proper Shipping Name</b>	Flammable Liquid n.o.s. (isopropanol, heptanes)		
<b>14.3 Transport hazard class(es)</b>	3	3	3
<b>14.4 Packing Group</b>	II	II	II
<b>14.5 Environmental hazards</b>	No.	No.	No.
<b>14.6 Special precautions for user</b>	None assigned	None assigned	None assigned
<b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:</b>	Not applicable		

## SECTION 15: REGULATORY INFORMATION

<b>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:</b>	
<b>15.1.1 EU regulations</b>	<b>Listed</b>
Regulation (EC) 2037/2000 - Dangerous to the ozone layer.	No.
Regulation (EC) 850/2004 - Persistent Organic Pollutants	No.
Regulation (EC) 649/2012 - Export/Import of Dangerous Chemicals	No.
Regulation (EC) 1907/2006 - REACH Authorisations and/or restrictions on use	No.
<b>15.1.2 National regulations</b>	Not established.
German Water Classification / Wassergefährdungsklasse (Germany)	2
<b>15.2 Chemical Safety Assessment</b>	Not applicable

## SECTION 16: OTHER INFORMATION

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



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**Hazard statement(s) and Precautionary statement(s):**

- H225: Highly flammable liquid and vapour.
- H304: May be fatal if swallowed and enters airways.
- H315: Causes skin irritation.
- H319: Causes serious eye irritation.
- H336: May cause drowsiness or dizziness.
- H411: Toxic to aquatic life with long lasting effects.

**GHS Classification**

- Flam. Liq. 2: Flammable Liquid Category 2
- Asp. Tox. 1: Aspiration hazard Category 1
- Skin Irrit. 2; Skin corrosion/irritation Category 2
- Eye Irrit. 2; Serious eye damage/irritation Category 2
- STOT SE 3; Specific target organ toxicity — single exposure Category 3
- Aquatic Chronic 2; Chronic aquatic toxicity, Category 2

**Training advice:** None.

**Additional Information:** None.

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