



DuPont™ Non-Stick Dry Film Lubricant Aerosol

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

1.1 Product identifier	
GHS Product Identifier	Not applicable.
Chemical Name	Not applicable.
Trade name	DuPont™ Non-Stick Dry Film Lubricant
CAS No.	Mixture
EINECS No.	Mixture
1.2 Relevant identified uses of the substance or mixture and uses advised against	
Identified use(s)	Lubricant
Uses advised against	None.
1.3 Details of the supplier of the safety data sheet	
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)	SDSinfo@finishlineusa.com
Distributor	Madison Distribution Centre 5 Roebuck way Milton Keynes, Buckinghamshire, MK5 8HL United Kingdom
Telephone	+44 (0) 1908 326032
1.4 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)

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture	
Regulation (EC) No. 1272/2008 (CLP).	Flam. Aerosol 1; Asp. Tox. 1; Skin Irrit. 2; Eye Irrit. 2; STOT SE 3; Aquatic Chronic 3
2.2 Label elements	
Hazard Symbol	
Signal word(s)	Danger
Hazard statement(s)	H222: Extremely flammable aerosol. H229: Pressurised container: May burst if heated. H304: May be fatal if swallowed and enters airways. H315: Causes skin irritation. H319: Causes serious eye irritation. H336: May cause drowsiness or dizziness. H412: Harmful 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.

P211: Do not spray on an open flame or other ignition source.

P251: Pressurized container: Do not pierce or burn, even after use.

P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P331: Do NOT induce vomiting.

P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.

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	40 - 50	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	18 - 24	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
Propane	10 - 20	200-827-9 74-98-6 ----- -----	Flam. Gas 1, H220 Press. Gas (Liq.)
Butane	10 - 20	203-448-7 106-97-8 601-004-00-0 None	Flam. Gas 1, H220 Press. Gas (Liq.)

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.



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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

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/m³)	STEL (ppm)	STEL (mg/m³)	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



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Butane	106-97-8	600	1450	750	1810	UK WEL
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- 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

<p>8.1.2 Recommended monitoring method</p> <p>8.2 Exposure controls</p> <p>8.2.1 Appropriate engineering controls</p> <p>8.2.2 Personal protection equipment</p> <p>Eye/face protection</p>  <p>Skin protection (Hand protection/ Other)</p>  <p>Respiratory protection</p>  <p>Thermal hazards</p>	<p>UK HSE Method 96 (n-Heptane & isopropanol)</p> <p>Use only with adequate ventilation to keep exposures (airborne levels of dust, fume, vapour etc) below recommended exposure limits.</p> <p>Wear protective eyewear (goggles, face shield, or safety glasses).</p> <p>Wear suitable gloves if prolonged skin contact is likely (Nitrile rubber)</p> <p>Normally no personal respiratory protection is necessary. In case of insufficient ventilation, wear suitable respiratory equipment.</p> <p>Not normally required.</p>
<p>8.2.3 Environmental Exposure Controls</p>	<p>None assigned.</p>

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<p>9.1 Information on basic physical and chemical properties</p> <p>Appearance</p> <p>Colour</p> <p>Odour</p> <p>Odour Threshold (ppm)</p> <p>pH (Value)</p> <p>Melting Point (°C) / Freezing Point (°C)</p> <p>Boiling point/boiling range (°C):</p> <p>Flash Point (°C)</p> <p>Evaporation rate</p> <p>Flammability (solid, gas)</p> <p>Explosive limit ranges</p> <p>Vapour Pressure (Pascal)</p> <p>Vapour Density (Air=1)</p> <p>Density (g/ml)</p> <p>Solubility (Water)</p> <p>Solubility (Other)</p> <p>Partition Coefficient (n-Octanol/water)</p> <p>Auto Ignition Temperature (°C)</p> <p>Decomposition Temperature (°C)</p> <p>Kinematic Viscosity (cP)</p> <p>Explosive properties</p>	<p>Liquid</p> <p>Colourless</p> <p>Mild isopropanol solvent</p> <p>Not available</p> <p>Not available</p> <p>Not available</p> <p>Not available</p> <p>-104 (Propane)</p> <p>Not available</p> <p>Highly flammable</p> <p>2.1% - 9.5% v/v (Propane)</p> <p>ca. 95 x 10⁴ (Propane)</p> <p>ca. 1.56 @ 0°C (Propane)</p> <p>Not available</p> <p>Not available</p> <p>Not available</p> <p>Not available</p> <p>450 (Propane)</p> <p>Not available</p> <p><20</p> <p>Not explosive.</p>
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Oxidising properties	Not oxidising.
9.2 Other information	Not available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Stable under normal conditions.
10.2 Chemical stability	Stable.
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.

Propane (CAS# 74-98-6):



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Acute toxicity
 Skin corrosion/irritation
 Serious eye damage/irritation
 Respiratory or skin sensitization
 Germ cell mutagenicity
 Carcinogenicity
 Reproductive toxicity
 STOT - single exposure
 STOT - repeated exposure

Inhalation: LC50 = 1237 mg/L (2-hr, mouse, gas)
 Not to be expected.
 Not to be expected.
 It is not a skin sensitiser.
 Not to be expected.
 - NOAEC: ≥19678 mg/m3 (28-day, rat, Systemic effects)
 - LOAEC: 21641 mg/m3 (28-day, rat, effects: Body weight)

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:

Short term
 LL50 (96 hour): >13.4 mg/L (*Oncorhynchus mykiss*)
 EL50 (48 hour): 3 mg/l (*Daphnia magna*, mobility)
 EC50 (96 hour): 13 mg/l (*Pseudokirchnerella subcapitata*)

Long Term
 NOELR (28 days) 1.5 mg/l (*Fish*) QSAR
 LOEC (21 days): 0.32 mg/l (*Daphnia magna*)
 NOEL (96 hour) 6.3 mg/l (*Algae*)

12.2 Persistence and degradability

Readily biodegradable.

12.3 Bioaccumulative potential

The product has no potential for bioaccumulation.

12.4 Mobility in soil

Not available.

12.5 Results of PBT and vPvB assessment

Not classified as PBT or vPvB.

12.6 Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 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 (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO/IATA)
14.1 UN number	1950	1950	1950
14.2 Proper Shipping Name	Aerosols, flammable	Aerosols, flammable	Aerosols, flammable
14.3 Transport hazard class(es)	2.1	2	2.1
14.4 Packing Group	Not applicable	Not applicable	Not applicable
14.5 Environmental hazards	None assigned	None assigned	None assigned
14.6 Special precautions for user	None assigned	None assigned	None assigned
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	Not applicable		

SECTION 15: REGULATORY INFORMATION

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

15.1.1 EU regulations

Listed

Regulation (EC) 2037/2000 - Dangerous to the ozone layer.

No.

Regulation (EC) 850/2004 - Persistent Organic Pollutants

No.



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Regulation (EC) 649/2012 - Export/Import of Dangerous Chemicals	No.
Regulation (EC) 1907/2006 - REACH Authorisations and/or restrictions on use	No.
15.1.2 National regulations	Not established.
German Water Classification / Wassergefährdungsklasse (Germany)	2
15.2 Chemical Safety Assessment	Not applicable

SECTION 16: OTHER INFORMATION

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

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

- H220: Extremely flammable gas.
- 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. Aerosol 1: Extremely flammable aerosol. Category 1
- 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 3; Chronic aquatic toxicity, Category 3

Training advice: None.

Additional Information: None.

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