



DuPont™ Chain-Saver Wax-Based Lubricant

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® Chain-Saver Wax-Based 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)
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SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Regulation (EC) No. 1272/2008 (CLP).	Flam. Aerosol 1; Skin Irrit. 2; STOT SE 3; Asp. Tox. 1; Aquatic Chronic 2
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2.2 Label elements

Hazard Symbol



Danger

Signal word(s)

Hazard statement(s)

H222: Extremely flammable aerosol.
H229: Pressurised container: May burst if heated.
H315: Causes skin irritation.
H336: May cause drowsiness or dizziness.
H304: May be fatal if swallowed and enters airways.
H411: Toxic to aquatic life with long lasting effects.
EUH208: Contains: Sulphonates and Oxymolybdenum di-2-ethylhexyl phosphorodithioate, sulfurized. May produce an allergic reaction.



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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.
 P261: Avoid breathing spray.
 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.
 P410+P412: Protect from sunlight. Do no 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)
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics	65 - 75	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	4 - 8	200-827-9 74-98-6 601-003-00-5 None	Flam. Gas 1, H220 Press. Gas (Liq.)
Butane	4 - 8	203-448-7 106-97-8 601-004-00-0 None	Flam. Gas 1, H220 Press. Gas (Liq.)
Distillates (petroleum), hydrotreated heavy naphthenic	1 - 5	265-155-0 64742-52-5 None None	Asp. Tox. 1: H304
2-(heptadecenyl)-4,5-dihydro-1H-imidazole-1-ethanol	< 0.3	248-248-0 27136-73-8 None None	Acute Tox 4; H302 Skin Corr 1C; H314 Eye Dam. 1; H318 Aquatic Acute 1; H400 Aquatic Chronic 1; H410
Sulfonic acids, petroleum, calcium salts	< 0.2	263-093-9 61789-86-4 None None	Skin Sens. 1B; H317
Calcium bis(dinonylnaphthalenesulphonate)	< 0.5	260-991-2 57855-77-3 None None	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1B; H317



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Oxymolybdenum di-2-ethylhexyl phosphorodithioate, sulfurized	< 0.2	None 72030-25-2 None None	Skin Irrit. 2; H315 Skin Sens. 1B; H317
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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 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.

4.2 Most important symptoms and effects, both acute and delayed

Aspiration of droplets may cause pulmonary oedema.

4.3 Indication of the immediate medical attention and special treatment needed

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

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

Pressurised container: May burst if heated.

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	Eliminate all ignition sources if safe to do so. Avoid contact with skin and eyes. Avoid breathing vapours.
6.2 Environmental precautions	Prevent liquid entering sewers, basements and workpits.
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



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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. Avoid breathing vapours.
- 7.2 Conditions for safe storage, including any incompatibilities**
- Storage Temperature Store in a well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
 - Incompatible materials This product should be stored away from sources of strong heat or oxidizing chemicals.
- 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 ³)	STEL (ppm)	STEL (mg/m ³)	Note:
Normal and branched chain alkanes ≥C7	Mixture	-----	1200	-----	-----	UK WEL
Cycloalkanes ≥C7	Mixture	-----	800	-----	-----	UK WEL
Butane	106-97-8	600	1450	750	1810	UK WEL

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

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

- 8.1.2 Recommended monitoring method** NIOSH 1550 (Naphthas); NIOSH 1500 (HYDROCARBONS, BP 36° - 126°C)
- 8.2 Exposure controls**
- 8.2.1 Appropriate engineering controls** Use only with adequate ventilation to keep exposures (airborne levels of dust, fume, vapour etc) below recommended exposure limits.
- 8.2.2 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.
- 8.2.3 Environmental Exposure Controls** Avoid release to the environment.



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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Liquid
Colour	White (Translucent)
Odour	Petroleum spirit
Odour Threshold (ppm)	Not available
pH (Value)	Not available
Melting Point (°C) / Freezing Point (°C)	Not available
Boiling point/boiling range (°C):	94 - 98 (201 - 208 °F)
Flash Point (°C)	-104 (Propane)
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Explosive limit ranges	2.1% - 9.5% v/v (Propane)
Vapour Pressure (Pascal)	ca. 95×10^4 (Propane)
Vapour Density (Air=1)	ca. 1.56 @ 0°C (Propane)
Density (g/ml)	Not available
Solubility (Water)	Not available
Solubility (Other)	Not available
Partition Coefficient (n-Octanol/water)	Not available
Auto Ignition Temperature (°C)	450 (Propane)
Decomposition Temperature (°C)	Not available
Kinematic Viscosity (cP)	< 20.5 @ 40 °C (Liquid)
Explosive properties	Not explosive.
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 oxidising agents.
10.6 Hazardous Decomposition Product(s)	Carbon monoxide, Carbon dioxide, Acrid smoke, Other

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

11.1.1 Substances

Not applicable

11.1.2 Mixtures - By analogy with similar materials:

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

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics (CAS# 92128-67-1)

Acute toxicity	Oral: LD50 (rat) >5840 mg/kg-bw Dermal: LD50 (rat) >2800 - 3100 mg/kg-bw Inhalation; 4-hr LC50 (rat) >23.3 mg/L
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/irritation	Not to be expected.
Respiratory or skin sensitization	Not to be expected.



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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):

Acute toxicity	Inhalation: LC50 = 1237 mg/L (2-hr, mouse, gas)
Skin corrosion/irritation	Not to be expected.
Serious eye damage/irritation	Not to be expected.
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	Not to be expected.
STOT - repeated exposure	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.
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11.2 Other information None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity	
12.1.1 Substances in preparations / mixtures	
	<u>Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics (CAS# 92128-67-1)</u>
Short term	LL50 (96 hour) >13.4 mg/L - <i>Oncorhynchus mykiss</i> EL50 (48 hour) = 3 mg/L - <i>Daphnia magna</i> EL50 (72 hour) = 10 - 30 mg/L - <i>Pseudokirchneriella subcapitata</i>
Long Term	NOELR (21 days) = 1 mg/L - <i>Daphnia magna</i> NOELR (72 hour) = 10 mg/L - <i>Pseudokirchneriella subcapitata</i>
12.2 Persistence and degradability	Not persistent.
12.3 Bioaccumulative potential	The product has no potential for bioaccumulation.
12.4 Mobility in soil	The product is predicted to have high mobility in soil.
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.
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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	2.1	2.1
14.4 Packing Group	Not applicable	Not applicable	Not applicable
14.5 Environmental hazards	Yes	Yes	Yes
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		



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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.
Regulation (EC) 689/2008 - 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.
15.2 Chemical Safety Assessment	Not applicable

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 3.

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

- H220: Extremely flammable gas.
- H225: Highly flammable liquid and vapour.
- H302: Harmful if swallowed.
- H304: May be fatal if swallowed and enters airways.
- H314: Causes severe skin burns and eye damage.
- H315: Causes skin irritation.
- H317: May cause an allergic skin reaction.
- H318: Causes serious eye damage.
- H319: Causes serious eye irritation.
- H336: May cause drowsiness or dizziness.
- H400: Very toxic to aquatic life.
- H410: Very toxic to aquatic life with long lasting effects.
- H411: Toxic to aquatic life with long lasting effects.

GHS Classification

- Flam. Aerosol 1; Extremely flammable aerosol. Category 1
- Skin Irrit. 2; Skin Irritant Category 2
- STOT SE 3; Specific target organ toxicity — single exposure Category 3
- Asp. Tox. 1; Aspiration hazard Category 1
- Aquatic Chronic 2; Chronic aquatic toxicity, Category 2

Training advice: None.

Additional Information: None.

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