

# **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 E-Shift
Product Code None

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

Identified Use(s)LubricantUses Advised AgainstNone

Company Identification Finish Line Technologies, Inc.

50 Wireless Blvd. Hauppauge, NY 11788

Telephone (631) 666-7300

E-Mail (competent person)

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**

### Classification of the substance or mixture

OSHA HCS (29 CFR 1910.1200)

Label elements

Hazard Symbol

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Flam. Aerosol 1

Asp. Tox. 1, Skin Irrit. 2,STOT SE 3







Hazard Statement(s) Extremely flammable aerosol.

Pressurised container: May burst if heated. May be fatal if swallowed and enters airways.

Causes skin irritation.

May cause drowsiness or dizziness.

Precautionary Statement(s)

Keep away from heat/sparks/open flames/hot surfaces. – No

smoking.

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

Do not pierce or burn, even after use.

IF SWALLOWED: Immediately call a POISON CENTER or

doctor/physician. Do NOT induce vomiting.

Protect from sunlight and do not expose to temperatures

exceeding 50 °C/122 °F.
Keep out of reach of children.



Other hazards None

#### **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

Hazardous Ingredient(s)	% wt.	CAS No.
Heptane, branched, cylic and linear	60-80	426260-76-6
Acetone	10-20	67-64-1
1,1-Difluoroethane	10-15	75-37-6
Isopropanol	4-8	67-63-0

Additional Information - None

## **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 symptoms develop, obtain

medical attention.

Eye Contact IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing. If symptoms

occur obtain medical attention.

Ingestion Do not give anything by mouth to an unconscious person. Seek medical

treatment.

Most important symptoms and effects, both acute and

delayed

Will cause skin irritation.

Vapors may cause drowsiness and dizziness.

Indication of any immediate medical attention and

special treatment needed

None

## **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

Highly flammable vapor (flash point below 23°C).

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.

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#### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and Keep away from heat/sparks/open flames/hot surfaces. - No smoking. emergency procedures

Avoid contact with skin and eyes. Use product in a well-ventilated area

only. Avoid breathing spray.

**Environmental precautions** Prevent substance entering sewers.

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 heat/sparks/open flames/hot surfaces. - No smoking.

Avoid contact with skin and eyes. Use product in a well-ventilated area

only.

Conditions for safe storage, including any incompatibilities

Keep container in a well-ventilated place. Store at temperatures not -Storage temperature

exceeding 38°/100°F.

-Incompatible materials None

Specific end use(s) Lubricant

#### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### **Occupational Exposure Limits**

		(8hr TWA)		STEL		
SUBSTANCE.	CAS No.	PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	Note:
Heptane, branched, cylic and linear	426260-76-6	500 ppm*	1500 mg/m <sup>3</sup>			*n-heptane
Acetone	67-64-1	1000 ppm	500 ppm		750 ppm	
Isopropanol	67-63-0	400 ppm	200 ppm		400 ppm	

<sup>\*</sup>Assure minimum oxygen content of work atmosphere.

Recommended monitoring method NIOSH 1500 (hydrocarbons, B.P. 36 - 216 °C)

NIOSH 1400 (alcohols I)

**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 chemical resistant protective eye glasses.



Skin protection (Hand protection/ Other)

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



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Respiratory protection



Normally no personal respiratory protection is necessary. In case of

insufficient ventilation, wear suitable respiratory equipment.

Thermal hazards

Odor Threshold (ppm)

Not normally required. Use gloves with insulation for thermal

Not available

Not available

protection, when needed.

**Environmental Exposure Controls** 

None known

### **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

Information on basic physical and chemical properties

Appearance Liquid Color. Colorless

Odor Mild isopropanol odor

Not available pH (Value) Melting Point (°C) / Freezing Point (°C) Not available Not available Boiling point/boiling range (°C): Flash Point (°C) Not available **Evaporation Rate** Not available

Flammability (solid, gas) Extremely flammable

4.3-17.4% (1,1-difluoroethane) **Explosive Limit Ranges** Vapour pressure (Pascal) 514,624 (25°C) (1,1-difluoroethane)

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 Point (°C) 440°C (1,1-difluoroethane)

Decomposition Temperature (°C) Not available

Kinematic Viscosity <25

Explosive properties Not explosive. Oxidizing properties Not oxidizing. Other information

## **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 Acids. Hazardous decomposition product(s) None known

## **SECTION 11: TOXICOLOGICAL INFORMATION**

Exposure routes: Inhalation, Skin Contact, Eye Contact

Substances in preparations / mixtures

Heptane, branched, cylic and linear (CAS# 426260-76-6) - By analogy with similar materials:

Oral: LD50 >5 g/kg-bw Acute toxicity

Dermal: LD50 >2 g/kg-bw

Inhalation: LC50 = 65 - 103 mg/L (Vapor), 4-hr. rat

May cause drowsiness or dizziness.

May be fatal if swallowed and enters airways.

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Irritation/Corrosivity Causes skin irritation. Repeated exposure may cause skin

dryness or cracking. May cause eye irritation.

Sensitization It is not a skin sensitizer.

Repeated dose toxicity NOAEC: 12350 mg/m3 (2 yr, inhal., rat, Systemic effects)

LOAEC: 1650 mg/m3 (2 hr, inhal., rat, CNS effects)

May cause drowsiness or dizziness.

Carcinogenicity

No data. It is unlikely to present a carcinogenic hazard to

man.

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

Mutagenicity There is no evidence of mutagenic potential.

Toxicity for reproduction No information available

Acetone (CAS# 67-64-1):

Acute toxicity Oral LD50 5800 mg/kg(rat)

Irritation/Corrosivity Irritating to eyes.

Sensitization It is not a skin sensitizer.

Repeated dose toxicity No data.

Carcinogenicity

No data. It is unlikely to present a carcinogenic hazard to

man.

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

Mutagenicity There is no evidence of mutagenic potential.

**Toxicity for reproduction**No information available

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)

May cause drowsiness or dizziness.

Irritation/CorrosivityIrritating to eyes.SensitizationIt is not a skin sensitizer.

Repeated dose toxicity NOAEL = 5,000 ppm (Inhalation)

May cause drowsiness or dizziness.

Carcinogenicity

It is unlikely to present a carcinogenic hazard to man.

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

Mutagenicity There is no evidence of mutagenic potential.

Toxicity for reproduction No information available

## **SECTION 12: ECOLOGICAL INFORMATION**

Toxicity - Substances in preparations / mixtures

Heptane, branched, cylic and linear (CAS# 426260-76-6) - 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)

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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)

Isopropanol (CAS# 67-63-0):

Short term LC50 (96 hour): 10,000 mg/l (Fathead minnow (Pimephales promelas))

LC50 24hour(s): >10,000 mg/l (Daphnia magna)

Long Term NOEC: 3.37 μmol/l (Daphnia magna) (Growth rate)

Persistence and degradability Readily biodegradable.

Bioaccumulative potential The product has low potential for bioaccumulation.

Mobility in soil The product is predicted to have high mobility in soil.

**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 ( <u>IMDG)</u>	Air transport (ICAO/IATA)
UN number	1950	1950	1950
Proper Shipping Name	Aerosols	Aerosols	Aerosols
Transport hazard class(es)	2.1	2	2.1
Packing group	Not applicable	Not applicable	Not applicable
Environmental hazards	None assigned	None assigned	None assigned
Special precautions for user	None assigned	None assigned	None assigned

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

### **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.

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

			RQ
Chemical Name	CAS No.	Typical %wt.	(Pounds)
Acetone	67-64-1	10 - 20	5000

#### 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			

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#### 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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