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: E-Shift Groupset Cleaner
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
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 Cycles
8 Stanmore Hill
Stanmore, Middlesex, HA7 3BQ
United Kingdom

Telephone: +44 870 034 7226

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
Flam. Aerosol 1; Skin Irrit. 2; STOT SE 3; Asp. Tox. 1;
Aquatic Chronic 3

2.2 Label elements
Hazard Symbol

Signal word(s)
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.
H336: May cause drowsiness or dizziness.
H412: Harmful to aquatic life with long lasting effects.
E-Shift Groupset Cleaner

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: 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 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


<table>
<thead>
<tr>
<th>Hazardous ingredient(s)</th>
<th>%/W/W</th>
<th>EC No. and CAS#</th>
<th>According to Regulation (EC) No. 1272/2008 (CLP)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heptane, branched, cyclic and linear</td>
<td>70-86</td>
<td>None 426260-76-6</td>
<td>Flam. Lq. 2; H225</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Asp. Tox. 1; H304</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Skin Irrit. 2; H315</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>STOT SE 3; H336</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Aquatic Chronic 3; H412</td>
</tr>
<tr>
<td>Propane</td>
<td>10-15</td>
<td>200-827-9 74-98-6</td>
<td>Flam. Gas 1, H220</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Press. Gas (*)</td>
</tr>
<tr>
<td>Isopropanol</td>
<td>4-8</td>
<td>200-661-7 67-63-0</td>
<td>Flam. Lq. 2; H225</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Eye Irrit. 2; H319</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>STOT SE 3; H336</td>
</tr>
</tbody>
</table>

For full text of H/P phrases 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
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.

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. Avoid breathing spray.

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

<table>
<thead>
<tr>
<th>SUBSTANCE.</th>
<th>CAS No.</th>
<th>LTEL (8 hr TWA ppm)</th>
<th>LTEL (8 hr TWA mg/m³)</th>
<th>STEL (ppm)</th>
<th>STEL (mg/m³)</th>
<th>Note:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heptane, branched, cyclic and linear</td>
<td>426260-76-6</td>
<td>-----</td>
<td>1800</td>
<td>-----</td>
<td>-----</td>
<td>UK - EH40</td>
</tr>
<tr>
<td>n-Heptane</td>
<td>142-82-5</td>
<td>500</td>
<td>2085</td>
<td>-----</td>
<td>-----</td>
<td>EU - IOEL</td>
</tr>
<tr>
<td>Isopropanol</td>
<td>67-63-0</td>
<td>400</td>
<td>999</td>
<td>500</td>
<td>1250</td>
<td>UK - EH40</td>
</tr>
</tbody>
</table>

Biological limit value

<table>
<thead>
<tr>
<th>Limit value type (country of origin)</th>
<th>SUBSTANCE.</th>
<th>CAS No.</th>
<th>Biological limit value</th>
<th>Note:</th>
</tr>
</thead>
<tbody>
<tr>
<td>None known</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

8.1.2 Recommended monitoring method
UK HSE Method 96 (n-Heptane & isopropanol)
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)

Respiratory protection

Normally no personal respiratory protection is necessary. In case of insufficient ventilation, wear suitable respiratory equipment.

8.2.3 Environmental Exposure Controls

None assigned.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>Colourless</td>
</tr>
<tr>
<td>Odour</td>
<td>Mild isopropanol solvent</td>
</tr>
<tr>
<td>Odour Threshold (ppm)</td>
<td>Not available</td>
</tr>
<tr>
<td>pH (Value)</td>
<td>Not available</td>
</tr>
<tr>
<td>Melting Point (°C) / Freezing Point (°C)</td>
<td>Not available</td>
</tr>
<tr>
<td>Boiling point/boiling range (°C):</td>
<td>Not available</td>
</tr>
<tr>
<td>Flash Point (°C)</td>
<td>-104 (Propane)</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Extremely flammable</td>
</tr>
<tr>
<td>Explosive limit ranges</td>
<td>2.1% - 9.5% v/v (Propane)</td>
</tr>
<tr>
<td>Vapour Pressure (Pascal)</td>
<td>ca. 95 x 10^4 (Propane)</td>
</tr>
<tr>
<td>Vapour Density (Air=1)</td>
<td>ca. 1.56 @ 0°C (Propane)</td>
</tr>
<tr>
<td>Density (g/ml)</td>
<td>Not available</td>
</tr>
<tr>
<td>Solubility (Water)</td>
<td>Not available</td>
</tr>
<tr>
<td>Solubility (Other)</td>
<td>Not available</td>
</tr>
<tr>
<td>Partition Coefficient (n-Octanol/water)</td>
<td>Not available</td>
</tr>
<tr>
<td>Auto Ignition Temperature (°C)</td>
<td>450 (Propane)</td>
</tr>
<tr>
<td>Decomposition Temperature (°C)</td>
<td>Not available</td>
</tr>
<tr>
<td>Kinematic Viscosity (cP)</td>
<td>&lt;25</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not explosive.</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>Not oxidising.</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Substance</th>
<th>Acute toxicity</th>
<th>Skin corrosion/irritation</th>
<th>Serious eye damage/irritation</th>
<th>Respiratory or skin sensitization</th>
<th>Germ cell mutagenicity</th>
<th>Carcinogenicity</th>
<th>Reproductive toxicity</th>
<th>STOT - single exposure</th>
<th>STOT - repeated exposure</th>
<th>Aspiration hazard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heptane, branched, cyclic and linear (CAS# 426260-76-6) - By analogy with similar materials:</td>
<td>Not available</td>
<td>Not available</td>
<td>Not available</td>
<td>Not available</td>
<td>Not available</td>
<td>Not available</td>
<td>Not available</td>
<td>Not available</td>
<td>Not available</td>
<td>Not available</td>
</tr>
<tr>
<td>Acute toxicity</td>
<td>Oral: LD50 &gt;5 gr/kg-bw</td>
<td>Dermal: LD50 &gt;2 g/kg-bw</td>
<td>Inhalation: LC50 = 65 - 103 mg/L (Vapour), 4-hr. rat</td>
<td>Causes skin irritation. Repeated exposure may cause skin dryness or cracking.</td>
<td>May cause eye irritation.</td>
<td>It is not a skin sensitiser.</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Aspiration of droplets may cause pulmonary oedema.</td>
</tr>
<tr>
<td>Serious eye damage/irritation</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Aspiration of droplets may cause pulmonary oedema.</td>
</tr>
<tr>
<td>Respiratory or skin sensitization</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Aspiration of droplets may cause pulmonary oedema.</td>
</tr>
<tr>
<td>Germ cell mutagenicity</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Aspiration of droplets may cause pulmonary oedema.</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Aspiration of droplets may cause pulmonary oedema.</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Aspiration of droplets may cause pulmonary oedema.</td>
</tr>
<tr>
<td>STOT - single exposure</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Aspiration of droplets may cause pulmonary oedema.</td>
</tr>
<tr>
<td>STOT - repeated exposure</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Aspiration of droplets may cause pulmonary oedema.</td>
</tr>
</tbody>
</table>

11.1.3 Substances in preparations / mixtures

<table>
<thead>
<tr>
<th>Substance</th>
<th>Acute toxicity</th>
<th>Skin corrosion/irritation</th>
<th>Serious eye damage/irritation</th>
<th>Respiratory or skin sensitization</th>
<th>Germ cell mutagenicity</th>
<th>Carcinogenicity</th>
<th>Reproductive toxicity</th>
<th>STOT - single exposure</th>
<th>STOT - repeated exposure</th>
<th>Aspiration hazard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propane (CAS# 74-98-6):</td>
<td>Inhalation: LC50 = 1237 mg/L (2-hr, mouse, gas)</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>- NOAEC: ≥19678 mg/m3 (28-day, rat, Systemic effects)</td>
<td>- LOAEC: 21641 mg/m3 (28-day, rat, effects: Body weight)</td>
<td>Aspiration of droplets may cause pulmonary oedema.</td>
</tr>
<tr>
<td>Isopropanol (CAS# 67-63-0):</td>
<td>Oral: LD50 = 5.84 g/kg (rat)</td>
<td>Inhalation: LC50 &gt; 1000 ppm (rat) 6 hour(s)</td>
<td>Dermal: LD50 = 16.4 ml/kg (rabbit) 24 hour(s)</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>Not to be expected.</td>
<td>May cause drowsiness or dizziness.</td>
<td></td>
<td>Aspiration of droplets may cause pulmonary oedema.</td>
</tr>
</tbody>
</table>
SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity
12.1.1 Substances in preparations / mixtures

Heptane, branched, cyclic 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)

**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)

12.2 Persistence and degradability
- Readily biodegradable.

12.3 Bioaccumulative potential
- The product has low 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.

SECTION 14: TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th>Land transport (ADR/RID)</th>
<th>Sea transport (IMDG)</th>
<th>Air transport (ICAO/IATA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN number</td>
<td>1950</td>
<td>1950</td>
</tr>
<tr>
<td>Proper Shipping Name</td>
<td>Aerosols</td>
<td>Aerosols</td>
</tr>
<tr>
<td>Transport hazard class(es)</td>
<td>2.1</td>
<td>2</td>
</tr>
<tr>
<td>Packing Group</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Environmental hazards</td>
<td>None assigned</td>
<td>None assigned</td>
</tr>
<tr>
<td>Special precautions for user</td>
<td>None assigned</td>
<td>None assigned</td>
</tr>
</tbody>
</table>

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

- 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: 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.
- H412: Harmful 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
- 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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