Safety Data Sheet

SECTION 1: Identification

1.1 Product identifier
Product name: Lift Off Degreaser
Product number: 970
Brand: Crown Chemical, Inc.

1.2 Other means of identification
Lift Off Degreaser

1.3 Recommended use of the chemical and restrictions on use
Non-emulsifying parts degreasing, lift stations

1.4 Supplier's details
Name: Crown Chemical, Inc.
Address: 4701 W. 136th. St.
Crestwood, Illinois 60418
U.S.A.
Telephone: 708-371-6990
Fax: 708-371-6992
email: info@crown-chem.com

1.5 Emergency phone number(s)
800-535-5053

SECTION 2: Hazard identification

General hazard statement
Causes skin irritation; Causes serious eye irritation; Flammable liquid and vapor

2.1 Classification of the substance or mixture

GHS classification in accordance with: (US) OSHA (29 CFR 1910.1200)
- Skin corrosion/irritation, Cat. 2
- Eye damage/irritation, Cat. 2A
- Flammable liquids, Cat. 3

2.2 GHS label elements, including precautionary statements

Pictogram

1. Exclamation mark; 2. Flame

Signal word
Warning

Hazard statement(s)
H226 Flammable liquid and vapor
H315 Causes skin irritation
H319 Causes serious eye irritation
Precautionary statement(s)
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P233 Keep container tightly closed.
P240 Ground/bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting/…/ equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P264 Wash hands & skin thoroughly after handling.
P280 Wear eye protection/face protection/protective gloves.
P302 P352 IF ON SKIN: Wash with plenty of water/Take off immediately contaminated clothing and wash it before reuse. Call a poison control center or doctor for treatment advice if irritation persists.
P303 P361 P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305 P351 P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P321 Specific treatment (see details on label).
P332 P313 If skin irritation occurs: Get medical advice/attention.
P337 P313 If eye irritation persists: Get medical advice/attention.
P362 P364 Take off contaminated clothing and wash it before reuse.
P370 P378 In case of fire: Use … to extinguish.
P403 P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents and container in accordance with all local, state, national and international regulations.

2.3 Other hazards which do not result in classification
None identified

SECTION 3: Composition/information on ingredients

3.2 Mixtures
Irritant Mixture; Flammable Mixture

Components

1. Naphtha (petroleum), heavy alkylate
Concentration 40 - 50 % (By Weight)
CAS no. 64741-65-7
- Carcinogenicity, Cat. 1B
- Germ cell mutagenicity, Cat. 1B
- Aspiration hazard, Cat. 1

H304 May be fatal if swallowed and enters airways
H340 May cause genetic defects [route]
H350 May cause cancer [route]

Trade secret statement (OSHA 1910.1200(i))
The specific chemical identities and/or actual concentrations for one or more components are being withheld as trade secrets under the US regulation 29 CFR 1910.1200(i).

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures
General advice
Do not breathe dust or mists. Wear protective rubber gloves and chemical splash goggles when using this product. Mix ONLY with water. Wash thoroughly after handling. Keep away from heat, sparks, open flame and hot surfaces. No smoking. Keep container tightly closed. Ground container and receiving equipment. Take precautionary measures against static discharge.
If inhaled
Remove person to fresh air and keep comfortable for breathing. Call a Poison Control Center or doctor for treatment advice.

In case of skin contact
Wash with plenty of water. Take off contaminated clothing and wash before reuse. Call a Poison Control Center or doctor for treatment advice if irritation persists.

In case of eye contact
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a Poison Control Center or doctor for treatment advice.

If swallowed
Rinse out mouth. Do NOT induce vomiting. Call a Poison Control Center or doctor if you feel unwell.

4.2 Most important symptoms/effects, acute and delayed
The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11

4.3 Indication of immediate medical attention and special treatment needed, if necessary
Treat exposure symptomatically. In all cases where large quantities have been ingested or inhaled, contact a doctor or Poison Control Center immediately.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Specific hazards arising from the chemical
None known

5.3 Special protective actions for fire-fighters
Wear self-contained breathing apparatus for firefighting if necessary.

Further information
Use water spray to cool unopened containers. Remove all persons from the vicinity. No responsive action should be taken without proper training.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Initiate spill containment procedures immediately using containment or absorption methods. Keep people away from area. Put on appropriate protective equipment (see Section 8).

6.2 Environmental precautions
Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up
Do not allow spilled material to enter sewers, waterways or soil. Neutralize with water. Mop, sweep or otherwise collect spilled material and hold for disposal. Consult local government authorities for allowable disposal methods. After removal, rinse area completely with water to remove residue.

Reference to other sections
For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Avoid contact with eyes, skin or clothing. Avoid inhalation of dust or mists. Use in a well ventilated area. Wash thoroughly after handling.
7.2 **Conditions for safe storage, including any incompatibilities**
Keep containers tightly closed when not in use. Store in a well ventilated area inaccessible to small children. Store between 50-100°F (15-38°C). Keep away from heat, sparks, open flame and hot surfaces. Ground container and receiving equipment. Take precautionary measures against static discharge.

**Specific end use(s)**
Apart from the uses mentioned in section 1 no other specific uses are stipulated.

### SECTION 8: Exposure controls/personal protection

8.2 **Appropriate engineering controls**
Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, gas, etc.) below recommended exposure limits.

8.3 **Individual protection measures, such as personal protective equipment (PPE)**

**Eye/face protection**
Wear chemical splash goggles or face shield when using this product.

**Skin protection**
Wear protective rubber gloves and a long sleeved shirt to prevent contact.

**Body protection**
Wash thoroughly after use and before eating, smoking, or using the bathroom. Avoid contamination of clothing or shoes, and wash any contaminated items before reuse. If possible, avoid wearing contact lenses when using this product.

**Respiratory protection**
If inhalable particles of dusts or mists may occur during use, wear NIOSH approved respiratory protection.

**Thermal hazards**
No data available.

**Environmental exposure controls**
Do not let product enter drains.

### SECTION 9: Physical and chemical properties

**Information on basic physical and chemical properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance/form (physical state, color, etc.)</td>
<td>Colorless Liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Citrus</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available.</td>
</tr>
<tr>
<td>pH</td>
<td>N/A (1% solution)</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>N/A / &lt;0°F</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>No data available.</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt;74°F</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>&gt;1.0</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available.</td>
</tr>
<tr>
<td>Upper/lower flammability limits</td>
<td>No data available.</td>
</tr>
<tr>
<td>Upper/lower explosive limits</td>
<td>No data available.</td>
</tr>
<tr>
<td>Vapor pressure</td>
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</tr>
<tr>
<td>Vapor density</td>
<td>&gt;1.0</td>
</tr>
<tr>
<td>Relative density</td>
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</tr>
<tr>
<td>Solubility(ies)</td>
<td>No data available.</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No data available.</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
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</tr>
<tr>
<td>Decomposition temperature</td>
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<tr>
<td>Viscosity</td>
<td>&lt;1.0</td>
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<tr>
<td>Explosive properties</td>
<td>No data available.</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No data available.</td>
</tr>
</tbody>
</table>
Other safety information
No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity
Product is not reactive under normal storage and usage conditions. Mix this product ONLY with water.

10.2 Chemical stability
Product is stable under normal storage and usage conditions.

10.3 Possibility of hazardous reactions
No data available.

10.4 Conditions to avoid
Heat, flames and sparks. Incompatible products. Keep away from open flames, hot surfaces and sources of ignition.

10.5 Incompatible materials
Strong oxidizers, bases and acids.

10.6 Hazardous decomposition products
None are expected under normal storage and usage conditions.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity
Likely Routes of Exposure: Eye contact. Skin contact. Inhalation. Ingestion.

Skin corrosion/irritation
Skin contact may cause irritation or pain and redness.

Serious eye damage/irritation
Eye contact may cause irritation or pain, redness and watering.

Respiratory or skin sensitization
Inhalation may cause coughing, choking and respiratory tract irritation.

Germ cell mutagenicity
Based on available data, classification data are not met

Carcinogenicity
This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity
Based on available data, classification data are not met
**STOT-single exposure**
Based on available data, classification data are not met

**STOT-repeated exposure**
Based on available data, classification data are not met

**Aspiration hazard**
Based on available data, classification data are not met

**SECTION 12: Ecological information**

**Toxicity**
No specific data available for this mixture.

**Persistence and degradability**
No data available on product

**Bioaccumulative potential**
No data available on product

**Mobility in soil**
No data available on product.

**Results of PBT and vPvB assessment**
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

**Other adverse effects**
No known significant effects or critical hazards.

**SECTION 13: Disposal considerations**

**Disposal of the product**
Avoid disposal of this product. Use complete contents according to directions. Do not release contents into a municipal sewer except through normal dilution and usage. Do not release contents onto the ground or into any body of water. Dispose of empty container by offering for recycling if available, or into a landfill. Follow all applicable state and local regulations.

**Disposal of contaminated packaging**
Dispose of as unused product.

**SECTION 14: Transport information**

**DOT (US)**
UN Number: NA 1993
Class: 3
Packing Group: III
Proper Shipping Name: NA 1993, Compounds, cleaning liquid, 3, PG III (Contains Petroleum Distillates)

**Note:** Certain package sizes of this product may qualify for exceptions to DOT’s packaging, labeling and other requirements, and thus may have different DOT shipping names. For bulk shipments, see the shipping documents.

**SECTION 15: Regulatory information**

15.1 **Safety, health and environmental regulations specific for the product in question**

**SARA 302 Components**
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313 Components
This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards
Fire Hazard, Acute Health Hazard

Massachusetts Right To Know Components
No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components
No components are subject to the Pennsylvania Right to Know Act.

New Jersey Right To Know Components
No components are subject to the New Jersey Right to Know Act.

California Prop. 65 Components
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16: Other information

The information herein is believed to be correct, but is given without warranty or guaranty of any kind, express or implied. The hazards provided in this Safety Data Sheet apply to the product in its concentrated form, and may differ significantly after dilution.

16.1 Further information/disclaimer
DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. In no event shall Crown Chemical, Inc. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if Crown Chemical, Inc. has been advised of the possibility of such damages.