06010 - Harringtons Liquid Metal Polish
Safety Data Sheet

1. Identification of the substance/ mixture and of the company/undertaking

1.1 Product: 06010 - Harringtons Liquid Metal Polish
1.2 Use of the preparation: For Polishing Metal Surfaces
1.3 Company: Merton Group UK Ltd
Unit 9 Foxholes Road
off Golf Course Lane
Leicester
LE3 1TH
Tel: 0116 231 4040 Fax: 0116 287 4756
headoffice@mertongroup.co.uk
1.4 Emergency Telephone: 0161 231 6111 (office hours only)

2. Hazards Identification

2.1 Classification of the substance or mixture
Classification

Physical Hazards: Flam Liq. 3 – H226

Health Hazards: Skin Irrit. 2 – H315
STOT SE 3 – H336
STOT RE 1 – H372
Asp Haz 1 – H304

Elicitation – EUH066, EUH208

Environmental Hazards: Aquatic Chronic 2 – H411

2.2 Label elements
Pictogram

Signal word Danger

Hazard statements
H315 Causes skin irritation
H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways
H336 May cause drowsiness or dizziness
H372 Causes damage to organs (central nervous system) through prolonged or repeated exposure
H411 Toxic to aquatic life with long lasting effects
EUH066 Repeated exposure may cause skin dryness or cracking.
EUH208 Contains Methylchloroisothiazolinone/ Methyisothiazolinone. May produce allergic reaction

Precautionary statements
06010 - Harringtons Liquid Metal Polish
Safety Data Sheet

P102 Keep out of reach of children
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.
No smoking.
P260 Do not breathe the spray.
P270 Not eat, drink or smoke when using this product
P271: Use only outdoors or in a well-ventilated area.
P273: Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P403+P233: Store in a well-ventilated place. Keep container tightly closed.
P405: Store locked up.
P501 Dispose of contents/container in accordance with local requirements for domestic waste disposal
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor/...
P331: Do NOT induce vomiting.
P302 + P352 IF ON SKIN: wash with plenty of soap and water
P332 + P313 If skin irritation occurs: Get medical advice/ attention
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

### Detergent labelling

>30% mixture Aromatic and Aliphatic Hydrocarbon, <5% Soaps.
Also contains Methylchloroisothiazolinone, Methylisothiazolinone

2.3 Other hazards
This product does not contain any substances classified as PBT or vPvB

### 3. Composition/ Information on Ingredients

#### 3.2 Mixtures

<table>
<thead>
<tr>
<th>Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)</th>
<th>10 - &lt;50.0%</th>
</tr>
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<tbody>
<tr>
<td><strong>EC no:</strong></td>
<td>EC-No.: 919-446-0</td>
</tr>
<tr>
<td><strong>Registration</strong></td>
<td>01-2119458049-33-xxxx</td>
</tr>
<tr>
<td><strong>Classification</strong></td>
<td><strong>Classification (67/548/EEC or 1999/45/EC)</strong></td>
</tr>
<tr>
<td>Flam. Liq.3-H226</td>
<td>Classifi R10, Xn:R48/20, R65, R66, N: R51/53</td>
</tr>
<tr>
<td>STOT SE3 – H336</td>
<td></td>
</tr>
<tr>
<td>STOT RE1 – H372</td>
<td></td>
</tr>
<tr>
<td>Asp. Tox.1 - H304</td>
<td></td>
</tr>
<tr>
<td>Aquatic Chronic 2 – H411</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sodium Castorate</th>
<th>1.0 - &lt;5.0%</th>
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</thead>
<tbody>
<tr>
<td><strong>CAS no:</strong></td>
<td>8013-06-7</td>
</tr>
<tr>
<td><strong>EC no:</strong></td>
<td>232-390-5</td>
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<td><strong>Classification</strong></td>
<td><strong>Classification (67/548/EEC or 1999/45/EC)</strong></td>
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<tr>
<td>Eye Irrit.2 - H319</td>
<td>XI R36</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Ammonia</th>
<th>0.25 -&lt;1.0%</th>
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</thead>
<tbody>
<tr>
<td><strong>CAS no:</strong></td>
<td>1336-21-6</td>
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<tr>
<td><strong>EC-no.</strong></td>
<td>215-647-6</td>
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<tr>
<td><strong>Registration</strong></td>
<td>01-2119488876-14-xxxx</td>
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<tr>
<td><strong>Classification</strong></td>
<td><strong>Classification (67/548/EEC or 1999/45/EC)</strong></td>
</tr>
<tr>
<td>Skin Corr.1B – H314</td>
<td>C: R34, N: R50</td>
</tr>
<tr>
<td>Aquatic Acute1 – H400</td>
<td></td>
</tr>
</tbody>
</table>
4. First Aid Measures

4.1. Description of first aid measures

**Inhalation:** Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

**Ingestion:** Rinse mouth out with water and drink copious amounts of water. Do not induce vomiting. If symptoms persist seek medical advice.

**Skin contact:** Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

**Eye contact:** Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

4.2. Most important symptoms and effects, both acute and delayed

**Inhalation:** Not expected to be irritating to the respiratory system. Not volatile therefore limited inhalation exposure anticipated

**Ingestion:** May cause mild stomach upset

**Skin contact:** May cause skin irritation & sensitisation or allergic reactions in sensitive individuals

**Eye contact:** May cause severe irritation to eyes.

4.3. Indication of any immediate medical attention and special treatment needed

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

5. Fire Fighting Measures

5.1. Extinguishing media

**Extinguishing media:** Use fire-extinguishing media appropriate for surrounding materials.

**Unsuitable extinguishing media:** Do not use water jet as an extinguisher, as this will spread the fire

5.2. Special hazards arising from the substance or mixture

**Specific hazards:** No specific firefighting precautions applicable when small quantities are involved in the fire

**Hazardous combustion products:** Carbon dioxide (CO2). Carbon monoxide (CO). Nitrous gases(NOx). Oxides of sulphur
### 5.3. Advice for firefighters

**Protective equipment for fire-fighters:** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

### 6. Accidental Release Measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions:** Take care as floors and other surfaces may become slippery.

#### 6.2. Environmental precautions

**Environmental precautions:** Large Spillages - Do not discharge into drains or watercourses or onto the ground.

#### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up:** Take care as floors and other surfaces may become slippery. Large Spillages: Absorb spillage with suitable absorbent material. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. For waste disposal, see Section 13.

#### 6.4. Reference to other sections

**Reference to other sections:** See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

### 7. Handling and Storage

#### 7.1. Precautions for safe handling

**Usage precautions:** Read and follow manufacturer’s recommendations on label. Handle all packages and containers carefully to minimise spills. Keep container tightly sealed when not in use.

**Advice on general occupational hygiene:** Remove contaminated clothing and protective equipment before entering eating areas. Wash at the end of each work shift and before eating, smoking and using the toilet.

#### 7.2. Conditions for safe storage, including any incompatibilities

**Storage precautions:** Store in tightly-closed, original container. Store upright in a cool, safe place away from direct sunlight.

#### 7.3. Specific end use(s)

**Specific end use(s):** As stated in Section 1.2.

### 8. Exposure controls/ Personal Protection

#### 8.1. Control parameters

**Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)**

Derived No Effect Level (DNEL)/Derived Minimal Effect Level (DMEL)

- **Workers, Long-term - systemic effects, Inhalation:** 330 mg/m³
- **Workers, Long-term - systemic effects, Skin contact:** 44 mg/kg bw/day
- **Consumers, Long-term - systemic effects, Inhalation:** 71 mg/m³
- **Consumers, Long-term - systemic effects, Skin contact:** 26 mg/kg bw/day
- **Consumers, Long-term - systemic effects, Ingestion:** 26 mg/kg bw/day

**Ammonia**

Derived No Effect Level (DNEL)
Workers, Acute & Long term - systemic effects, Skin contact : 6.8 mg/kg bw/day
Workers, Acute - systemic effects, Inhalation : 47.6 mg/m³
Workers, Acute - local effects, Inhalation : 36 mg/m³
Workers, Long-term - systemic effects, Inhalation : 47.6 mg/m³
Workers, Long-term - local effects, Inhalation : 14 mg/m³

Predicted No Effect Concentration (PNEC)
Fresh water : 0.0011 mg/l
Marine water : 0.0011 mg/l
Intermittent releases : 0.0068 mg/l

Other Occupational Exposure Limit Values
EH40 WEL, Time Weighted Average (TWA): 25 ppm, 18 mg/m³
EH40 WEL, Short Term Exposure Limit (STEL): 35 ppm, 25 mg/m³

Sodium Hydroxide
Short term exposure limit (15 mins) WEL 2mg/m³

8.2. Exposure controls
Appropriate engineering
Provide adequate ventilation. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection
Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment for eye and face protection should comply with European Standard EN166.

Hand protection
Protective gloves should be used if there is a risk of direct contact or splash. Neoprene, nitrile, polyethylene or PVC. EN 388

Other skin and body protection
Wear appropriate clothing to prevent repeated or prolonged skin contact.

Hygiene measures
When using do not eat, drink or smoke. Wash hands thoroughly after handling. Wash at the end of each work shift and before eating, smoking and using the toilet.

Respiratory protection
If ventilation is inadequate, suitable respiratory protection must be worn.

Environmental exposure controls
Keep container tightly sealed when not in use. Provide adequate ventilation. Observe any occupational exposure limits for the product or ingredients.

9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties
Appearance: Opaque liquid.
Colour: Beige
Odour: Characteristic Odour.
Odour Threshold: Not available.

pH: 10.0 – 10.9
Melting point: ~0°C
Initial boiling point and range: 102°C
Flash point: 40°C
Evaporation rate: Not available.
9.2 Other Information

Other Information: No information required

10. Stability and Reactivity

10.1 Reactivity
See the other subsections of this section for further details.

10.2 Chemical stability
Stability: Stable at normal ambient temperatures and when used as recommended.

10.3 Possibility of hazardous reactions
No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.4 Conditions to avoid
Avoid excessive heat for prolonged periods of time.

10.5 Incompatible materials
Materials to avoid: No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6 Hazardous decomposition products
Does not decompose when used and stored as recommended.

11. Toxicological Information

11.1 Information on toxicological effects

Acute toxicity - oral
Based on available data the classification criteria are not met.

Acute toxicity - dermal
Based on available data the classification criteria are not met.

Acute toxicity - inhalation
Based on available data the classification criteria are not met.

Skin corrosion/irritation
Animal data
Causes skin irritation.

Serious eye damage/ irritation
Based on available data the classification criteria are not met.

**Respiratory sensitisation**
Based on available data the classification criteria are not met.

**Skin sensitisation**
May cause skin sensitisation or allergic reactions in sensitive individual

**Germ cell mutagenicity**

**Genotoxicity - in vitro**
Based on available data the classification criteria are not met.

**Carcinogenicity**
Based on available data the classification criteria are not met.

**Reproductive toxicity**

**Reproductive toxicity - fertility**
Based on available data the classification criteria are not met.

**Reproductive toxicity - development**
Based on available data the classification criteria are not met.

**Specific target organ toxicity - single exposure**

**STOT - single exposure**
May cause drowsiness or dizziness.
Affected organs: central nervous system
Route of exposure: Inhalation

**Specific target organ toxicity - repeated exposure**

**STOT - repeated exposure**
Causes damage to organs (central nervous system) through prolonged or repeated exposure
Route of exposure: Inhalation

**Aspiration hazard**
May be fatal if swallowed and enters airways.

**Toxicological information on ingredients.**

<table>
<thead>
<tr>
<th>Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Acute toxicity - oral</strong></td>
</tr>
<tr>
<td>Acute toxicity oral (LD50 mg/kg)</td>
</tr>
<tr>
<td>Species</td>
</tr>
<tr>
<td>Raw material suppliers’ information. Based on available data the classification criteria are not met.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Acute toxicity - dermal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity dermal (LD50 mg/kg)</td>
</tr>
<tr>
<td>Species</td>
</tr>
<tr>
<td>Raw material suppliers’ information. Based on available data the classification criteria are not met.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Acute toxicity - inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity inhalation (LC50 mg/L, 4 hrs)</td>
</tr>
</tbody>
</table>
Species  Rat
Raw material suppliers’ information. Based on available data the classification criteria are not met.

Ammonia
No data available on acute toxicity

Skin Corrosion/Irritation  Corrosive effects (rabbit) (OECD Test Guideline 404)
Serious eye damage/ irritation  Severe eye irritation (rabbit). Risk of serious damage to eyes.
STOT SE  May cause respiratory irritation.
STOT RE  The substance or mixture is not classified as specific target organ toxicant, repeated exposure.
Based on Raw material supplier information

5-Chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one

Acute toxicity - oral
Acute toxicity oral (LD50 mg/kg)  4467  Based on available data the classification criteria are not met
Species  Rat

Acute toxicity - dermal
Acute toxicity dermal (LD50 mg/kg) >5000 Based on available data the classification criteria are not met
Species  Rat

Skin Corrosion/Irritation  Causes caustic effect on skin and mucous membrane
Serious eye damage/ irritation  Cause serious eye damage
Skin Sensitisation  Sensitization by skin contact

12. Ecological Information

12.1. Toxicity
Harmful to aquatic life with long lasting effects. Large or frequent spills may have an adverse effect on the environment

Ecological information on ingredients.

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)
No data available REACH Dossier – get info  Fish 96Hrs 10-30mg/l

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<table>
<thead>
<tr>
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<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Fish</td>
<td>LC50, 96hrs</td>
<td>0.89mg/l</td>
</tr>
<tr>
<td>Daphnia magna</td>
<td>EC50, 48hrs</td>
<td>24mg/l</td>
</tr>
</tbody>
</table>

Ammonia

5-Chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Fish (rainbow trout)</td>
<td>EC50, 96hrs</td>
<td>14.6mg/l</td>
</tr>
<tr>
<td>Daphnia</td>
<td>EC 50, 48hrs</td>
<td>6.7mg/l</td>
</tr>
<tr>
<td>Alga (Pseudokirchneriella subcapitata)</td>
<td>EC 50, 72hrs</td>
<td>3.2mg/l</td>
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</tbody>
</table>

12.2. Persistence and degradability
Persistence and degradability
The surfactant(s) contained in this product complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents.

Ecological information on ingredients.
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclicitys, aromatics (2-25%)

Biodegradability 75% (Exposure Time: 28 d) (OECD Test Guideline 301F). Not readily biodegradable.

Ammonia

Persistence and degradability The product is readily biodegradable.

5-Chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one

Persistence and degradability The product is not readily biodegradable.

12.3 Bioaccumulative potential

Product is not expected to bioaccumulate

Ecological information on ingredients.

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclicitys, aromatics (2-25%)

No data available

Ammonia

Bioaccumulation is not expected. log Pow < 1

5-Chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one

Log Kow -0.71: +0.75 (n-Octanol/ water) BCF 3.6 (calculated)

12.4 Mobility in soil

The product is soluble in water

Ecological information on ingredients.

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclicitys, aromatics (2-25%)

Surface Tension 0.02 mN/m (25 °C)

Ammonia

The product is mobile in water environment.

5-Chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one

No data available

12.5 Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB

12.6 Other adverse effects

None known

13. Disposal Considerations

13.1 Waste treatment methods

General information

Disposal methods: Dispose of contents/container in accordance with national regulations

14. Transport Information

14.1 UN number (ADR/RID/ IMDG/ ICAO/ AND) : 1300
UN No. (ADR/RID) 1300  UN No. (ICAO) 1300
UN No. (IMDG) 1300  UN No. (ADN) 1300

14.2. UN proper shipping name (ADR/RID/IMDG/ICAO/ADN): Turpentine Substitute.

14.3. Transport hazard class(es):
ADR/RID class 3  ADR/ RID label 3  ADR/RID classification code F1
IMDG class 3  IMDS subsidiary risk
ICAO class/ division 3  ICAO subsidiary risk
ADN class 3
Transport label

14.4. Packing group (ADR.RID/IMDG/ICAO/AND): III.

14.5. Environmental hazards:
Environmentally hazardous substance/marine pollutant: Yes

14.6. Special precautions for user:
EmS F-E, S-E
ADR transport category 3
Emergency Action Code 3Y
Hazard Identification Number (ADR/RID) 30

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

15. Regulatory Information

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

National regulations

EU legislation

15.2 Chemical safety assessment:
No Chemical Safety Assessment has been carried out.

16. Other Information

Revision Comments Amendment to Hazard statement . Amendment to section 14
Revision Date 9.5.2016
Revision 05
Risk Phrases In Full
R10 Flammable
R23/24/25 Toxic by inhalation, in contact with skin and if swallowed
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R34 Causes burns
R36 Irritating to eyes
R43 May cause sensitisation by skin contact
R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation
R50 Very toxic to aquatic organisms
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R65 Harmful: may cause lung damage if swallowed
R66 Repeated exposure may cause skin dryness or cracking

Hazard Statements In Full
H226 Flammable liquid and vapour
H301 Toxic if swallowed
H304 May be fatal if swallowed and enters airways
H311 Toxic in contact with skin
H314 Causes severe burns and eye damage
H317 May cause an allergic skin reaction
H319 Causes serious eye irritation
H331 Toxic if inhaled
H335 May cause respiratory irritation
H336 May cause drowsiness or dizziness
H372 Causes damage to organs through prolonged or repeated exposure
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

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