

**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

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Detergent labelling	<p>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. >30% mixture Aromatic and Aliphatic Hydrocarbon, <5% Soaps. Also contains Methylchloroisothiazolinone, Methylisothiazolinone</p>
2.3 Other hazards	This product does not contain any substances classified as PBT or vPvB

3. Composition/ Information on Ingredients

3.2 Mixtures

Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	10 - <50.0%
EC no: EC-No. : 919-446-0 Registration : 01-2119458049-33-xxxx	
Classification Flam. Liq.3-H226 STOT SE3 – H336 STOT RE1 – H372 Asp. Tox.1 - H304 Aquatic Chronic 2 – H411	Classification (67/548/EEC or 1999/45/EC) R10, Xn:R48/20, R65, R66, N: R51/53
Sodium Castorate	1.0 - <5.0%
CAS no: 8013-06-7 EC no: 232-390-5	
Classification Eye Irrit.2 - H319	Classification (67/548/EEC or 1999/45/EC) Xi R36
Ammonia	0.25 - <1.0%
CAS no: 1336-21-6 EC-no. : 215-647-6 Registration : 01-2119488876-14-xxxx	
Classification Skin Corr.1B – H314 Aquatic Acute1 – H400	Classification (67/548/EEC or 1999/45/EC) C: R34, N: R50

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STOT SE3 –H335

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

<0.025%

CAS no: 55965-84-9

EC no: 611-341-5

M factor (Acute)=1

Classification

Classification (67/548/EEC or 1999/45/EC)

Acute Tox. 3 – H301

T: R23/R24/25, C: R34, Xi: R43, N:R50/53

Acute Tox. 3 – H311

Acute Tox 3 – H331

Skin Corr 1B – H314

Aquatic Acute 1 – H400

Aquatic Chronic 1 – H410

Skin Sens. 1A – H317

The full text for all R- Phrases and Hazard Statements are Displayed in section 16

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(NO_x). Oxides of sulphur

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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)

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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.

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Evaporation factor:	Not available.
Vapour pressure:	Not available.
Vapour density:	Not available.
Relative density:	0.95-1.02 @ 20°C
Bulk density:	Not available.
Solubility (ies):	Soluble in water.
Partition coefficient:	Not available.
Viscosity:	Not available.
Explosive properties:	Not considered to be explosive.
Oxidising properties:	Does not meet the criteria for classification as oxidising.

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

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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.

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

Acute toxicity - oral

Acute toxicity oral (LD50 mg/kg) >15000

Species Rat

Raw material suppliers' information. Based on available data the classification criteria are not met.

Acute toxicity - dermal

Acute toxicity dermal (LD50 mg/kg) >3400

Species Rat

Raw material suppliers' information. Based on available data the classification criteria are not met.

Acute toxicity - inhalation

Acute toxicity inhalation (LC50 mg/l, 4 hrs) >13100

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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 infor Fish 96Hrs 10-30mg/l

Ammonia

Fish	LC50, 96hrs	0.89mg/l
Daphnia magna	EC50, 48hrs	24mg/l

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

Fish (rainbow trout)	EC50, 96hrs	14.6mg/l
Daphina	EC 50, 48hrs	6.7mg/l
Alga (Pseudokirchneriella subcapitata)	EC 50, 72hrs	3.2mg/l

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.

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Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, 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, cyclics, 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, cyclics, 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

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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

Disclaimer

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