

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Hotspot Multi Metal Polish

Ref 399/7

Version 2.0

Revision Date 21/9/15

Print Date 21/9/15

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

Commercial name : Hotspot Multi Metal Polish
Product type : Metal Polish
Intended / Recommended Use : Removal of tarnish from brass and copper and other metals
Manufacturer Name and address : HYDRACHEM LTD.
Gillmans Industrial Estate
Billingshurst, West Sussex, RH14 9EZ
www.hotspotonline.co.uk

Emergency telephone number : +44 (0) 1403 787700 (Monday to Friday 9:00 am to 5:00 pm)

2. Hazards identification

Signal Word Warning

Hazard Statements

H228 Flammable solid.

H336 May cause drowsiness or dizziness.

Precautionary Statements

P102 Keep out of reach of children.

P101 If medical advice is needed, have product container or label at hand.

P501 Dispose of contents/container in accordance with local regulations.

Supplementary Precautionary Statements

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical equipment.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P261 Avoid breathing vapour/spray.

P370+378 In case of fire: Use foam, carbon dioxide, dry powder or water fog for extinction.

P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P312 Call a POISON CENTER or doctor/physician if you feel unwell.

P403+233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

Supplemental label information

EUH066 Repeated exposure may cause skin dryness or cracking.



3. Composition/information on ingredients

Name	Range	EINECS	CAS	OEL	Classification
HYDROCARBONS, C9 - C11, n-alkanes, isoalkanes, cyclics, <2% aromatics.	<20%	919-857-5	64742-48-9		Physical and Chemical Hazards Flam. Liq. 3 - H226 Human health EUH066;STOT SE 3 - H336;Asp. Tox. 1 - H304 Environment Not classified.
Hydrocarbons, C15-C20, n-alkanes, isoalkanes, cyclics, <0.	<10%	934-956-3	64742-46-7		Asp. Tox. 1, H304
Oleic Acid BP	<5%	266-932-7	67701-08-0		The preparation is not dangerous in the sense of Regulation 1272/2008 EC
Ammonia solution	<1%	215-647-6	1336-26-6		Skin Corr. 1B; Aquatic Acute 1; H314, H400 C, N, R34 - R50
Water	<50%		7732-18-5		No classification
Aluminum oxide	<20%	215-691-6	1344-28-1		No classification
Cryptocrystalline Silica	<20%		7631-86-9		No classification
Amorphous Silica	<20%		7631-86-9		No classification
Kaolinite	<20%		1318-74-7		No classification

4. First aid measures

4.1. Description of first aid measures

General information

Remove victim immediately from source of exposure. Provide fresh air, warmth and rest, preferably in comfortable upright sitting position. Perform artificial respiration if breathing has stopped. Do not give victim anything to drink if they are unconscious.

Inhalation

Remove victim immediately from source of exposure. Move into fresh air and keep at rest. Perform artificial respiration if breathing has stopped. Get medical attention if any discomfort continues.

Ingestion

Immediately rinse mouth and provide fresh air. DO NOT induce vomiting if swallowed chemical is dissolved in petroleum-based material. Danger of aspiration and development of chemical pneumonia. Get medical attention immediately!

Skin contact

Remove contaminated clothes and rinse skin thoroughly with water. Rinse with water. Contact physician if discomfort continues.

Eye contact

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention if any discomfort continues.

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

Inhalation

Vapours may cause drowsiness and dizziness. Headache. Nausea, vomiting.

Ingestion

May cause discomfort if swallowed. Nausea, vomiting. Diarrhoea.

Skin contact

Prolonged contact may cause redness, irritation and dry skin.

Eye contact

Irritation of eyes and mucous membranes.

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

Treat symptomatically.

5. Firefighting measures

5.1. Extinguishing media

Extinguishing media

Extinguish with foam, carbon dioxide or dry powder. Water spray, fog or mist.

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

Unusual Fire & Explosion Hazards

Vapours are heavier than air and may spread near ground to sources of ignition. May travel considerable distance to source of ignition and flash back.

Specific hazards

Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO₂). Aldehydes.

5.3. Advice for firefighters

Special Fire Fighting Procedures

Keep up-wind to avoid fumes. If possible, fight fire from protected position. Move container from fire area if it can be done without risk.

Use supplied air respirator if product is involved in a fire. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control. Avoid water in straight hose stream; will scatter and spread fire.

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

Wear protective clothing as described in Section 8 of this safety data sheet. Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area. In case of inadequate ventilation, use respiratory protection. Take precautionary measures against static discharges. Do not smoke, use open fire or other sources of ignition. Do not breathe vapour. Eye contact MUST be prevented by means of suitable personal protection equipment.

6.2. Environmental precautions

Do not discharge onto the ground or into water courses. Do not allow ANY environmental contamination. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

If leakage cannot be stopped, evacuate area. Clean-up personnel should use respiratory and/or liquid contact protection. Wash thoroughly after dealing with a spillage. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb spillage with non-combustible, absorbent material. Transfer to a container for disposal. Flush area with plenty of water.

6.4. Reference to other sections

For personal protection, see section 8.

7. Handling and storage

7.1. Precautions for safe handling

Avoid spilling, skin and eye contact. Keep away from heat, sparks and open flame. Eliminate all sources of ignition. Static electricity and formation of sparks must be prevented. Storage tanks and other containers must be grounded. Protect electric equipment against sparking in case of risk of explosion. Wear full protective clothing for prolonged exposure and/or high concentrations. Contaminated rags and cloths must be put in fireproof containers for disposal. Always remove grease with soap and water or skin cleaning agent, never use organic solvents. Do not eat, drink or smoke when using the product. Container must be kept tightly closed.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from heat, sparks and open flame. Keep containers tightly closed. Keep away from food, drink and animal feeding stuffs. Avoid contact with oxidising agents. Flammable/combustible - Keep away from oxidisers, heat and flames. Ground container and transfer equipment to eliminate static electric sparks. Keep in original container. Store away from: Acids. Suitable containers: mild steel, stainless steel.

Storage Class

Flammable liquid storage.

7.3. Specific end use(s)

8. Exposure controls/personal protection

NON HAZARDOUS INGREDIENTS

Ingredient Comments

WEL = Workplace Exposure Limits

8.2. Exposure controls

Protective equipment

Engineering measures

Provide adequate general and local exhaust ventilation.

Respiratory equipment

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit. Use specified dust masks.

Hand protection

Use protective gloves made of:

Blue Nitrile, powder-free. Category 3.

Eye protection

Wear approved safety goggles.

Hygiene measures

Wash hands at the end of each work shift and before eating, smoking and using the toilet.



9. Physical and chemical properties

Appearance :	Beige Liquid
Odour :	Ammoniacal, Petroleum. Solvent.
Flash point :	>40°C
Ignition temperature :	Not Available
Lower explosion limit :	Not Available
Upper explosion limit :	Not Available
Flammability (solid, gas) :	Not Available
Oxidizing properties :	Not Available
Autoignition temperature :	>230°C
pH :	approximatley 10
Melting point :	Not Available
Boiling point :	130°C
Vapour pressure :	Not Available
Density :	~ 1.2 g/cm3.
Water solubility :	Not Soluble
Partition coefficient: n- octanol/water :	Not Available
Solubility in other solvents :	Not Available
Viscosity, dynamic :	Not Available
Viscosity, kinematic :	Not Available
Relative vapour density :	Not Available
Evaporation rate :	Not Available
Other information Oxidising potential :	Not Available

10. Stability and reactivity Note: no data available

10.1. Reactivity

10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Hazardous Polymerisation

Will not polymerise.

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials To Avoid

Strong oxidising substances. Strong acids.

10.6. Hazardous decomposition products

None at ambient temperatures. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

Aldehydes.

11. Toxicological information

11.1. Information on toxicological effects

Inhalation

May cause irritation to the respiratory system.

Ingestion

May cause internal injury. Gastrointestinal symptoms, including upset stomach.

Skin contact

Prolonged or repeated exposure may cause severe irritation.

Eye contact

May cause severe irritation to eyes.

Health Warnings

This product has low toxicity. Only large volumes may have adverse impact on human health.

12. Ecological information

Ecotoxicity

No data is available on the product itself

12.1. Toxicity

12.2. Persistence and degradability

12.3. Bioaccumulative potential

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

13. Disposal considerations

General information

Do not puncture or incinerate even when empty. Waste, residue, empty containers, discarded work clothes and used disposable towels must be collected in designated receptacles, labelled with content. Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

13.1. Waste treatment methods

Contact specialist disposal companies. Do not allow runoff to sewer, waterway or ground. Confirm disposal procedures with environmental engineer and local regulations.

Waste Class

Hazardous Waste The product contains a substance which is hazardous to aquatic organisms and which may cause long term adverse effects in the aquatic environment. See section 12. EWC NUMBER: Allocation of a waste code number in accordance with the European Waste Catalogue, should be carried out in agreement with an EA authorised waste disposal company.

14. Transport information

14.1. UN number

UN No. (ADR/RID/ADN) 1325

UN No. (IMDG) 1325

UN No. (ICAO) 1325

14.2. UN proper shipping name

Proper Shipping Name FLAMMABLE SOLID, ORGANIC, N.O.S.

14.3. Transport hazard class(es)

ADR/RID/ADN Class 4.1

ADR/RID/ADN Class Class 4.1: Flammable solids, self-reactive substances and solid desensitized explosives.

ADR Label No. 4.1

IMDG Class 4.1

ICAO Class/Division 4.1

Transport Labels



14.4. Packing group

ADR/RID/ADN Packing group III

IMDG Packing group III

ICAO Packing group III

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

No.

14.6. Special precautions for user

EMS F-A, S-G

Tunnel Restriction Code (E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

15. Regulatory information

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

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I. 2009 No. 716).

EU Legislation

Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

National Regulations

Workplace Exposure Limits 2005 (EH40)

Authorisations (Title VII Regulation 1907/2006)

No specific authorisations are noted for this product.

Restrictions (Title VIII Regulation 1907/2006)

No specific restrictions of use are noted for this product.

Water hazard classification

WGK

16. Other information Full text of R-phrases referred to under sections 2 and 3

Hazard Statements In Full

EUH066 Repeated exposure may cause skin dryness or cracking.

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H336 May cause drowsiness or dizziness.

Disclaimer:

The information contained in this data sheet is, to the best of our knowledge and belief, and is based upon our technical knowledge of the product and accurate the date of issue.

No warranty or representation, express or implied, is made as to its accuracy, reliability or completeness.

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