

**Hammered Metal Paint - Copper**

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2020/878

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifier**

Product Name Hammered Metal Paint - Copper
Product code 9010, 9008, 9011, 9009, 4124, 4125, 2340, 2341
Unique Formula Identifier (UFI) R440-50TX-100A-55KW

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified Use(s) PC9a Coatings and paints, thinners, paint removers
Uses Advised Against Not known.

1.3 Details of the supplier of the safety data sheet**Manufacturer**

Company Identification Granville Oil & Chemicals Ltd
Address of Manufacturer 29 Goldthorpe Ind. Est.,
Goldthorpe,
Rotherham,
South Yorkshire,
Postal code S63 9BL
Telephone: +44 (0)1709 890099
Fax Not known.
E-mail lab@granvilleoil.com
Office hours 08:00 - 17:00

Responsible Person

Company Identification Veedol Deutschland GmbH
Address of Responsible Person Hans-Böckler-Straße 10
Langenfeld,
Germany
Postal code 40764
Telephone: +49 (0) 2173 893 30 30
Fax Not known.
E-mail lab@granvilleoil.com
Office hours

1.4 Emergency telephone number

Emergency Phone No. +44 (0)1709 890099
Contact Granville Lab
National response centre
Address NHS Direct
Emergency Phone No. +44 111

SECTION 2: HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture**

**Hammered Metal Paint - Copper**

Regulation (EC) No. 1272/2008 (CLP) Flam. Liq. 3 :Flammable liquid and vapour.
Skin Sens. 1A :May cause an allergic skin reaction.
STOT SE 3 :May cause drowsiness or dizziness.
Aquatic Chronic 3 :Harmful to aquatic life with long lasting effects.

2.2 Label elements

According to Regulation (EC) No. 1272/2008 (CLP)
Product Name Hammered Metal Paint - Copper

Hazard Pictogram(s)



GHS02



GHS07

Signal Word(s)

Warning

Hazard Statement(s)

H226: Flammable liquid and vapour.
H317: May cause an allergic skin reaction.
H336: May cause drowsiness or dizziness.
H412: Harmful to aquatic life with long lasting effects.
EUH211: Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

Precautionary Statement(s)

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
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.

Unique Formula Identifier (UFI)

R440-50TX-100A-55KW

2.3 Other hazards

HYDROCARBONS, C9-C11, n-ALKANES, ISOALKANES, CYCLICS.

2.4 Additional Information

For full text of H/P Statements see section 16.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.1 Substances**

**Hammered Metal Paint - Copper**

Not applicable.

3.2 Mixtures

HAZARDOUS INGREDIENT(S)	CAS No.	EC No. / REACH Registration No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics		919-857-5	30-60	Flam. Liq. 3 H226 Asp. Tox. 1 H304 STOT SE 3 H336	GHS02 GHS08 GHS07
Hydrocarbons, C9, aromatics		918-668-5	5-10	Flam. Liq. 3 H226 Asp. Tox. 1 H304 STOT SE 3 H335 STOT SE 3 H336 Aquatic Chronic 2 H411	GHS02 GHS08 GHS07 GHS09
trizinc bis(orthophosphate)	7779-90-0	231-944-3	<1	Aquatic Acute 1 H400 Aquatic Chronic 1 H410	GHS09
cobalt bis(2-ethylhexanoate)	136-52-7	205-250-6	<0.3	Skin Sens. 1A H317 Eye Irrit. 2 H319 Repr. 1B H360F Aquatic Acute 1 H400 Aquatic Chronic 3 H412	GHS08 GHS07 GHS09

Contains no non-classified vPvB substances.

Contains no non-classified substances with a Union workplace exposure limit.

For full text of H/P Statements see section 16.

SECTION 4: FIRST AID MEASURES**4.1 Description of first aid measures**

Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.
Skin Contact	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.
Eye Contact	Remove any contact lenses and open eyelids wide apart. Rinse with water. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing
Ingestion	Do not induce vomiting. Never give anything by mouth to an unconscious person. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Give plenty of water to drink. Get medical attention immediately. Move affected



Hammered Metal Paint - Copper

person to fresh air and keep warm and at rest in a position comfortable for breathing.

4.2 Most important symptoms and effects, both acute and delayed

Allergic contact dermatitis.

4.3 Indication of any immediate medical attention and special treatment needed

Specific treatment (see Medical Advice on this label). Call a POISON CENTRE/doctor if you feel unwell. Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing media

Extinguish with the following media: Foam. Dry chemicals, sand, dolomite etc.

Unsuitable extinguishing media

5.2 Special hazards arising from the substance or mixture

The product is flammable. Thermal decomposition or combustion products may include the following substances: Very toxic gases or vapours.

5.3 Advice for firefighters

Avoid breathing fire gases or vapours. Cool containers exposed to flames with water until well after the fire is out.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Keep unnecessary and unprotected personnel away from the spillage. No smoking, sparks, flames or other sources of ignition near spillage.

6.2 Environmental precautions

Use appropriate containment to avoid environmental contamination.

6.3 Methods and material for containment and cleaning up

Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Absorb in vermiculite, dry sand or earth and place into containers. Avoid the spillage or runoff entering drains, sewers or watercourses.

6.4 Reference to other sections

See Also Section 8, 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation. Avoid inhalation of vapours. Use approved respirator if air contamination is above an acceptable level.

Do not eat, drink or smoke when using this product. No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.

**Hammered Metal Paint - Copper****7.2 Conditions for safe storage, including any incompatibilities**

Store in tightly-closed, original container in a dry, cool and well-ventilated place.

Flammable liquid storage

Storage temperature

Ambient.

Storage life

Stable under normal conditions.

Incompatible materials

None known.

7.3 Specific end use(s)

PC9a Coatings and paints, thinners, paint removers

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters**

8.1.1 Occupational Exposure Limits

Occupational Exposure Limits						
SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
Tungsten and compounds (as W) insoluble compounds and others	7779-90-0		5		10	

Region	Source
United Kingdom	UK Workplace Exposure Limits EH40/2005 (Fourth edition, published 2020)

Remark	Notes
--------	-------

8.2 Exposure controls

8.2.1. Appropriate engineering controls Use non-sparking ventilation systems, approved explosion-proof equipment, and intrinsically safe electrical systems. Ensure adequate ventilation. A washing facility/water for eye and skin cleaning purposes should be present.

8.2.2. Personal protection equipment



Eye Protection

Wear eye protection with side protection (EN166).



Skin protection

Wear protective clothing and gloves: Impervious gloves (EN 374).



Respiratory protection

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

Combination filter, type A2/P2. Check that the respirator fits tightly and the filter is changed regularly.



Thermal hazards

None known.



Hammered Metal Paint - Copper

8.2.3. Environmental Exposure Controls Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. Store in a demarcated bunded area to prevent release to drains and/or watercourses. Keep container tightly sealed when not in use. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	Liquid.
Colour	Copper.
Odour	Characteristic.
Melting point/freezing point	Not known.
Boiling point or initial boiling point and boiling range	Approximately 140°C
Flammability	Not known.
Lower and upper explosion limit	Lower flammable/explosive limit: 0.7% Upper flammable/explosive limit: 7%
Flash Point	38°C Closed cup
Auto-ignition temperature	Not known.
Decomposition Temperature	Not known.
pH	Not known.
Kinematic Viscosity	4.8 - 5.2 P (Cone & Plate) @ 25°C
Solubility	Solubility (Water) : Immiscible with water. Solubility (Other) : Not known.
Partition coefficient n-octanol/water (log value)	Not known.
Vapour pressure	Not known.
Density and/or relative density	Relative density : 0.92 - 0.94
Relative vapour density	Not known.
Particle characteristics	Not known.
9.2 Other information	None.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Flammable/combustible materials.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose.

10.4 Conditions to avoid

Avoid heat, flames and other sources of ignition.

10.5 Incompatible materials



Hammered Metal Paint - Copper

Avoid contact with the following materials: Acids. Strong oxidising agents.

10.6 Hazardous decomposition products

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

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity - Ingestion	Calculation method : Not classified.
Acute toxicity - Skin Contact	Calculation method : Not classified.
Acute toxicity - Inhalation	Calculation method : Not classified.
Skin corrosion/irritation	Calculation method : Not classified.
Serious eye damage/irritation	Calculation method : Not classified.
Skin sensitization data	Calculation method : May cause an allergic skin reaction.
Respiratory sensitization data	Calculation method : Not classified.
Germ cell mutagenicity	Calculation method : Not classified.
Carcinogenicity	Calculation method : Not classified.
Reproductive toxicity	Calculation method : Not classified.
Lactation	Calculation method : Not classified.
STOT - single exposure	Calculation method : May cause drowsiness or dizziness.
STOT - repeated exposure	Calculation method : Not classified.
Aspiration hazard	Self classification: Not classified.

11.2 Information on other hazards

Not known.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

Toxicity - Aquatic invertebrates	Not known.
Toxicity - Fish	Not known.
Toxicity - Algae	Not known.
Toxicity - Sediment Compartment	Not classified.
Toxicity - Terrestrial Compartment	Not classified.

12.2 Persistence and degradability

Not known.

12.3 Bioaccumulative potential

Not known.

12.4 Mobility in soil

Not known.

12.5 Results of PBT and vPvB assessment

Not known.

12.6 Endocrine disrupting properties

**Hammered Metal Paint - Copper**

None known.

12.7 Other adverse effects

Not known.

SECTION 13: DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

Dispose of contents in accordance with local, state or national legislation. Recycle only completely emptied packaging. Containers must not be punctured or destroyed by burning, even when empty. Do not allow to enter drains, sewers or watercourses. Do NOT landfill. Normal disposal is via incineration operated by an accredited disposal contractor. Send to a licensed recycler, reclaimer or incinerator. Dispose of this material and its container to hazardous or special waste collection point. Dispose at suitable refuse site.

13.2 Additional Information

Disposal should be in accordance with local, state or national legislation.

SECTION 14: TRANSPORT INFORMATION**14.1 UN number or ID number**

UN No. 1263

14.2 UN proper shipping name

UN proper shipping name PAINT

14.3 Transport hazard class(es)

ADR/RID

ADR/RID Class 3

ADR Classification Code F1

Special Provisions 163, 367, 650

Limited Quantities 5 L

Excepted Quantities E1

Emergency Action Code •3Y

Mixed Packing Instructions for Packages P001 IBC03 LP01 R001

Special Packing Provisions for Packages PP1

Mixed Packing Instructions for Packages MP19

Packing Instructions for Portable Tanks T2

Special Provisions for Portable Tanks TP1 TP29

Tank Code for Tanks LGBF

Special Provisions for Tanks

Vehicle for Tank Carriage FL

ADR Transport Category 3

Tunnel Restriction Code D/E

Special Provisions for Carriage - Packages V12

Packages

Special Provisions for Carriage - Bulk

**Hammered Metal Paint - Copper**

Special Provisions for Carriage - Loading, Unloading and Handling	
Special Provisions for Carriage - Operation	S2
ADR HIN	30
IMDG	
IMDG Class	3
Special Provisions	163, 367, 650
Limited Quantities	5 L
Excepted Quantities	E1
Mixed Packing Instructions for Packages	P001 IBC03 LP01 R001
Special Packing Provisions for Packages	PP1
Packing Instructions for Portable Tanks	T2
Special Provisions for Portable Tanks	TP1 TP29
IMDG EMS	F-E, S-E
Stowage and Handling	Category A
Segregation	
Marine Pollutant	
ICAO/IATA	
IATA Proper Shipping Name	PAINT
Excepted Quantities	E1
Passenger and Cargo Aircraft Limited Quantities Packing Instructions	Y344
Passenger and Cargo Aircraft Limited Quantities Max net Qty	10L
Passenger and Cargo Aircraft Packing Instructions	355
Passenger and Cargo Aircraft Max net Qty	60L
Cargo Aircraft Packing Instructions	366
Cargo Aircraft Max net Qty	220L
Special Provisions	A3, A72, A192
Emergency Response Guidebook (ERG) Code	3L
Labels	
Labels	3

**14.4 Packing group**

Packing group III

14.5 Environmental hazards

Environmental hazards Not classified as a Marine Pollutant.

14.6 Special precautions for user

Special precautions for user Not known.

**Hammered Metal Paint - Copper****14.7 Maritime transport in bulk according to IMO instruments**

No information available

SECTION 15: REGULATORY INFORMATION**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

European Regulations - Authorisations and/or Restrictions On Use

Candidate List of Substances of Very High Concern for Authorisation Not listed

REACH: ANNEX XIV list of substances subject to authorisation Not listed

REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics (), Hydrocarbons, C9, aromatics (), trizinc bis(orthophosphate) (7779-90-0), cobalt bis(2-ethylhexanoate) (136-52-7)

Community Rolling Action Plan (CoRAP) trizinc bis(orthophosphate) (7779-90-0)

Regulation (EU) N° 2019/1021 of the European Parliament and of the Council on persistent organic pollutants Not listed

Regulation (EC) N° 1005/2009 on substances that deplete the ozone layer Not listed

Regulation (EU) N° 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals Not listed

National regulations

Other Not known.

15.2 Chemical Safety Assessment

A REACH chemical safety assessment has not been carried out.



GHS02



GHS07

Hazard Pictogram(s)

GHS08: GHS: Health hazard

GHS09: GHS: Environment

**Hammered Metal Paint - Copper**

Hazard classification

Flam. Liq. 3 : Flammable liquid, Category 3
Asp. Tox. 1 : Aspiration hazard, Category 1
Skin Sens. 1A : Skin sensitization, Category 1A
Eye Irrit. 2 : Serious eye damage/irritation, Category 2
STOT SE 3 : Specific target organ toxicity — single exposure, Category 3
STOT SE 3 : Specific target organ toxicity — single exposure, Category 3
Repr. 1B : Reproductive toxicity, Category 1B
Aquatic Acute 1 : Hazardous to the aquatic environment, Acute, Category 1
Aquatic Chronic 1 : Hazardous to the aquatic environment, Chronic, Category 1
Aquatic Chronic 2 : Hazardous to the aquatic environment, Chronic, Category 2
Aquatic Chronic 3 : Hazardous to the aquatic environment, Chronic, Category 3

Hazard Statement(s)

H226: Flammable liquid and vapour.
H304: May be fatal if swallowed and enters airways.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.
H336: May cause drowsiness or dizziness.
H360F: May damage fertility.
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.
H412: Harmful to aquatic life with long lasting effects.
EUH211: Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

Precautionary Statement(s)

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233: Keep container tightly closed.
P240: Ground and bond container and receiving equipment.
P241: Use explosion-proof electrical/ventilating/lighting/equipment.
P242: Use non-sparking tools.
P243: Take action to prevent static discharges.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P271: Use only outdoors or in a well-ventilated area.
P272: Contaminated work clothing should not be allowed out of the workplace.
P273: Avoid release to the environment.
P280: Wear protective gloves/protective clothing/eye protection/face protection.



Hammered Metal Paint - Copper

P302+P352: IF ON SKIN: Wash with plenty of water.

P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312: Call a POISON CENTRE/doctor if you feel unwell.

P321: Specific treatment (see Medical Advice on this label).

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

P362+P364: Take off contaminated clothing and wash it before reuse.

P370+P378: In case of fire: Use water spray, dry powder or carbon dioxide to extinguish.

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

P403+P235: Store in a well-ventilated place. Keep cool.

P405: Store locked up.

P501: Dispose of contents in accordance with local, state or national legislation.

Acronyms

ADN : European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE : Acute Toxicity Estimate

CAS : Chemical Abstracts Service

CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

DNEL : Derived No Effect Level

EC : European Community

EINECS : European Inventory of Existing Commercial Chemical Substances

IATA : International Air Transport Association

IBC : Intermediate Bulk Container

ICAO : International Civil Aviation Organization

IMDG : International Maritime Dangerous Goods

LTEL : Long term exposure limit

PBT : Persistent, Bioaccumulative and Toxic

PNEC : Predicted No Effect Concentration

REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals

RID : Regulations concerning the International Carriage of Dangerous Goods by Rail

STEL : Short term exposure limit

STOT : Specific Target Organ Toxicity

UN : United Nations

vPvB : very Persistent and very Bioaccumulative

Key literature references and sources for Regulation (EC) No. 1272/2008 (CLP) data used to compile the SDS



Hammered Metal Paint - Copper

Disclaimers

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. Granville Oil & Chemicals Ltd gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. Granville Oil & Chemicals Ltd accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.