

# Safety Data Sheet

according to 1907/2006/EC, Article 31

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## HexArt Metallics 400ml Aerosol

Revision 1

Revision date 2015-08-04

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name	HexArt Metallics 400ml Aerosol (Steel, Gunmetal, Bronze, Gold)
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#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Product Use	[SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [SU19] Building and construction work; [PC9a] Coatings and paints, thinners, paint removers; [PROC7] Industrial spraying;
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Description	One-pack performance coatings.
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#### 1.3. Details of the supplier of the safety data sheet

Company	Poly-Props Limited
Address	Unit 4, Chestnut House Moorgreen Industrial Estate Newthorpe, NG16 3QU

Web	<a href="http://www.Poly-Props.com">www.Poly-Props.com</a>
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Telephone	+44 (0)7969600693
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Fax	+44 (0)7969600693
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Email	<a href="mailto:info@poly-props.com">info@poly-props.com</a>
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Email address of the competent person	<a href="mailto:info@poly-props.com">info@poly-props.com</a>
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#### 1.4. Emergency telephone number

Emergency telephone number	+44 (0)7969600693 9:00 am - 5:00 pm
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### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

2.1.1. Classification - 1999/45/EC	F; R11 Xi; R36/38 R52/53-66-67 Symbols: F: Highly flammable. Xi: Irritant.
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Main hazards	Highly flammable. Irritating to eyes and skin. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Harmful: may cause lung damage if swallowed. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.
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2.1.2. Classification - EC 1272/2008	Flam. Liq. 2: H225; Asp. Tox. 1: H304; Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H336; Aquatic Chronic 3: H412;
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#### 2.2. Label elements


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## 2.2. Label elements

Hazard pictograms	
Signal Word	Danger
Hazard Statement	Flam. Liq. 2: H225 - Highly flammable liquid and vapour. Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways. Skin Irrit. 2: H315 - Causes skin irritation. Eye Irrit. 2: H319 - Causes serious eye irritation. STOT SE 3: H336 - May cause drowsiness or dizziness. Aquatic Chronic 3: H412 - Harmful to aquatic life with long lasting effects.
Precautionary Statement: Prevention	P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P273 - Avoid release to the environment. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	P312 - Call a POISON CENTER/doctor/ /if you feel unwell.

## SECTION 3: Composition/information on ingredients

## 3.2. Mixtures

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Acetone	606-001-00-8	67-64-1	200-662-2		20 - 30%	F; R11 Xi; R36 R66 R67	
Dimethyl ether	603-019-00-8	115-10-6	204-065-8		20 - 30%	F+; R12	
Xylene (Xylene, o-,m-,p-or mixed isomers)	601-022-00-9	1330-20-7	215-535-7		10 - 20%	R10 Xn; R20/21 Xi; R38	
Petroleum Naphtha			921-024-6		10 - 20%	F; R11 Xn; R65 Xi; R38 N; R51/53 R67	
n-Butyl acetate (Butyl acetate)	607-025-00-1	123-86-4	204-658-1		1 - 10%	R10 R66 R67	
Butanone (Butan-2-one (methyl ethyl ketone))	606-002-00-3	78-93-3	201-159-0		1 - 10%	F; R11 Xi; R36 R66 R67	
Benzotriazole derivative	607-176-00-3		400-830-7		0 - 0.5%	R43 N; R51/53	
Ethylene glycol monobutyl ether (2-Butoxyethanol)	603-014-00-0	111-76-2	203-905-0		0 - 0.5%	Xn; R20/21/22 Xi; R36/38	
Di-isobutyl ketone (2,6-Dimethylheptan-4-one)	606-005-00-X	108-83-8	203-620-1		0 - 0.5%	R10 Xi; R37	

## EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Acetone	606-001-00-8	67-64-1	200-662-2		20 - 30%	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336;	
Dimethyl ether	603-019-00-8	115-10-6	204-065-8		20 - 30%	Flam. Gas 1: H220;	
Xylene (Xylene, o-,m-,p-or mixed isomers)	601-022-00-9	1330-20-7	215-535-7		10 - 20%	Flam. Liq. 3: H226; Acute Tox. 4: H332; Acute Tox. 4: H312; Skin Irrit. 2: H315;	
Petroleum Naphtha			921-024-6		10 - 20%	Flam. Liq. 2: H225; Asp. Tox. 1: H304; Skin Irrit. 2: H315; STOT SE 3: H336; Aquatic Chronic 2: H411;	
n-Butyl acetate (Butyl acetate)	607-025-00-1	123-86-4	204-658-1		1 - 10%	Flam. Liq. 3: H226; STOT SE 3: H336;	
Butanone (Butan-2-one (methyl ethyl ketone))	606-002-00-3	78-93-3	201-159-0		1 - 10%	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336;	
Benzotriazole derivative	607-176-00-3		400-830-7		0 - 0.5%	Skin Sens. 1: H317; Aquatic Chronic 2: H411;	

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**SECTION 4: First aid measures**

## 4.1. Description of first aid measures

Inhalation	In case of accident by inhalation: remove casualty to fresh air and keep at rest.
Eye contact	Rinse immediately with plenty of water.
Skin contact	Wash off immediately with plenty of soap and water. Remove contaminated clothing.
Ingestion	If swallowed, rinse mouth with water (only if the person is conscious). DO NOT INDUCE VOMITING.

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

Inhalation	Harmful by inhalation. Inhalation may cause nausea and vomiting.
Eye contact	May cause irritation to eyes.
Skin contact	May cause dermatitis. May cause irritation to skin.
Ingestion	Harmful: possible risk of irreversible effects if swallowed. Ingestion is irritating to the respiratory tract and may cause damage to the central nervous system. Ingestion may cause nausea and vomiting.

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

Inhalation	Seek medical attention if irritation or symptoms persist.
Eye contact	Seek medical attention if irritation or symptoms persist.
Skin contact	Seek medical attention if irritation or symptoms persist.
Ingestion	Seek medical attention if irritation or symptoms persist.

**SECTION 5: Firefighting measures**

## 5.1. Extinguishing media

	Use extinguishing media appropriate to the surrounding fire conditions.
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## 5.2. Special hazards arising from the substance or mixture

	Flammable liquid. Burning may produce irritating, toxic and obnoxious fumes.
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## 5.3. Advice for firefighters

	Wear suitable respiratory equipment when necessary.
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**SECTION 6: Accidental release measures**

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

	Ensure adequate ventilation of the working area. Eliminate all sources of ignition. Wear suitable protective equipment. Avoid contact with skin and eyes. Do not breathe gas/fumes/vapour/spray.
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## 6.2. Environmental precautions

	Do not allow product to enter drains.
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## 6.3. Methods and material for containment and cleaning up

	Absorb with inert, absorbent material. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water. Prevent further spillage if safe.
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## 6.4. Reference to other sections

	See section 2, 3, 8 and 13 for further information.
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**SECTION 7: Handling and storage**

## 7.1. Precautions for safe handling

	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Do not breathe gas/fumes/vapour/spray. Eliminate all sources of ignition. Adopt best Manual Handling considerations when handling, carrying and dispensing.
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## 7.2. Conditions for safe storage, including any incompatibilities

	Keep in a cool, dry, well ventilated area. Keep containers tightly closed.
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## 7.3. Specific end use(s)

See section 1.2 for further information.

## SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

## 8.1.1. Exposure Limit Values



Acetone	WEL 8-hr limit ppm: 500 WEL 15 min limit ppm: 1500 WEL 8-hr limit mg/m3 total - inhalable dust: WEL 8-hr limit mg/m3 total - respirable dust:	WEL 8-hr limit mg/m3: 1210 WEL 15 min limit mg/m3: 3620 WEL 15 min limit mg/m3 total - inhalable dust: WEL 15 min limit mg/m3 total - respirable dust:
Butanone (Butan-2-one (methyl ethyl ketone))	WEL 8-hr limit ppm: 200  WEL 15 min limit ppm: 300 WEL 8-hr limit mg/m3 total - inhalable dust: WEL 8-hr limit mg/m3 total - respirable dust:	WEL 8-hr limit mg/m3: 600  WEL 15 min limit mg/m3: 899 WEL 15 min limit mg/m3 total - inhalable dust: WEL 15 min limit mg/m3 total - respirable dust:
Di-isobutyl ketone (2,6-Dimethylheptan-4-one)	WEL 8-hr limit ppm: 25  WEL 15 min limit ppm: - WEL 8-hr limit mg/m3 total - inhalable dust: WEL 8-hr limit mg/m3 total - respirable dust:	WEL 8-hr limit mg/m3: 148  WEL 15 min limit mg/m3: - WEL 15 min limit mg/m3 total - inhalable dust: WEL 15 min limit mg/m3 total - respirable dust:
Dimethyl ether	WEL 8-hr limit ppm: 400 WEL 15 min limit ppm: 500 WEL 8-hr limit mg/m3 total - inhalable dust: WEL 8-hr limit mg/m3 total - respirable dust:	WEL 8-hr limit mg/m3: 766 WEL 15 min limit mg/m3: 958 WEL 15 min limit mg/m3 total - inhalable dust: WEL 15 min limit mg/m3 total - respirable dust:
Ethylene glycol monobutyl ether (2-Butoxyethanol)	WEL 8-hr limit ppm: 25  WEL 15 min limit ppm: 50 WEL 8-hr limit mg/m3 total - inhalable dust: WEL 8-hr limit mg/m3 total - respirable dust:	WEL 8-hr limit mg/m3: 123  WEL 15 min limit mg/m3: 101.2 WEL 15 min limit mg/m3 total - inhalable dust: WEL 15 min limit mg/m3 total - respirable dust:
n-Butyl acetate (Butyl acetate)	WEL 8-hr limit ppm: 150 WEL 15 min limit ppm: 200 WEL 8-hr limit mg/m3 total - inhalable dust: WEL 8-hr limit mg/m3 total - respirable dust:	WEL 8-hr limit mg/m3: 724 WEL 15 min limit mg/m3: 966 WEL 15 min limit mg/m3 total - inhalable dust: WEL 15 min limit mg/m3 total - respirable dust:
Xylene (Xylene, o-,m-,p-or mixed isomers)	WEL 8-hr limit ppm: 50  WEL 15 min limit ppm: 100 WEL 8-hr limit mg/m3 total - inhalable dust: WEL 8-hr limit mg/m3 total - respirable dust:	WEL 8-hr limit mg/m3: 220  WEL 15 min limit mg/m3: 441 WEL 15 min limit mg/m3 total - inhalable dust: WEL 15 min limit mg/m3 total - respirable dust:

## 8.2. Exposure controls

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## 8.2. Exposure controls

8.2.1. Appropriate engineering controls Eye / face protection Skin protection - Handprotection Skin protection - Other Respiratory protection Thermal hazards Occupational exposure controls	 
	Ensure adequate ventilation of the working area.
	<u>Approved safety goggles.</u>
	Chemical resistant gloves.
	<u>Wear suitable protective clothing.</u>
	<u>In case of insufficient ventilation, wear suitable respiratory equipment.</u>
	<u>Not applicable.</u>
	Do not breathe vapour or spray.

## SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

Appearance	Aerosol
Colour	Various
Odour	Characteristic
Odour threshold	No data available
pH	Not relevant
Melting point	No data available
Freezing Point	No data available
Initial boiling point	No data available
Flash point	0 °C
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	0.79 (H <sub>2</sub> O = 1 @ 20 °C)
Fat Solubility	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidising properties	No data available
Solubility	Insoluble in water

## 9.2. Other information

Conductivity	No data available
Surface tension	No data available
Gas group	No data available
Benzene Content	0 %
Lead content	0 %
VOC (Volatile organic compounds)	800 g/l
Total Solids	75 g/l

## SECTION 10: Stability and reactivity

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## 10.1. Reactivity

Avoid sparks, flames, heat and sources of ignition.

## 10.2. Chemical stability

Stable under normal conditions.

## 10.3. Possibility of hazardous reactions

Flammable liquid.

## 10.4. Conditions to avoid

Heat, sparks and open flames.

## 10.5. Incompatible materials

No data is available on this product.

## 10.6. Hazardous decomposition products

Burning produces irritating, toxic and obnoxious fumes.

**SECTION 11: Toxicological information**

## 11.1. Information on toxicological effects

Acute toxicity	Exposure above the recommended occupational exposure limit (OEL) may cause adverse health effects.
Skin corrosion/irritation	Irritating to skin.
Serious eye damage/irritation	Irritating to eyes.
Respiratory or skin sensitisation	May cause sensitisation by inhalation and skin contact.
Germ cell mutagenicity	
Carcinogenicity	Component(s) causes damage to human organs.
Reproductive toxicity	Component(s) causes damage to human organs.
STOT-single exposure	Component(s) causes damage to human organs.
STOT-repeated exposure	Component(s) causes damage to human organs.
Repeated or prolonged exposure	Component(s) causes damage to human organs. Causes damage to human organs.

## 11.1.4. Toxicological Information

No data available

**SECTION 12: Ecological information**

## 12.1. Toxicity

No data available

## 12.2. Persistence and degradability

No data is available on this product.

## 12.3. Bioaccumulative potential

No data is available on this product.

## Partition coefficient

P19 Matt Aerosol No data available

## 12.4. Mobility in soil

No data is available on this product.

## 12.5. Results of PBT and vPvB assessment

No data is available on this product.

## HexArt Metallics 400ml Aerosol

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Revision date 2015-08-04**SECTION 13: Disposal considerations**

## 13.1. Waste treatment methods

Dispose of in compliance with all local and national regulations.

**SECTION 14: Transport information**

## Hazard pictograms



## 14.1. UN number

UN1950

## 14.2. UN proper shipping name

AEROSOLS

## 14.3. Transport hazard class(es)

ADR/RID	2
Subsidiary risk	see SP63
IMDG	2
Subsidiary risk	see SP63
IATA	2
Subsidiary risk	see SP63

## 14.4. Packing group

Packing group -

## 14.5. Environmental hazards

Environmental hazards	No
Marine pollutant	No

## ADR/RID

Hazard ID	-
Tunnel Category	(D)

## IMDG

EmS Code	F-D S-U
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## IATA

Packing Instruction (Cargo)	203
Maximum quantity	150 kg
Packing Instruction (Passenger)	203
Maximum quantity	75 kg

**SECTION 15: Regulatory information**

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

COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

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

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

## 15.2. Chemical safety assessment

No data is available on this product.

## SECTION 16: Other information

## Other information

## Revision

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.

This document differs from the previous version in the following areas:.

- 1 - Product Use.
- 2 - 2.1. Classification of the substance or mixture.
- 2 - 2.1.2. Classification - EC 1272/2008.
- 2 - Hazard pictograms.
- 2 - Signal Word.
- 2 - Precautionary Statement: Prevention.
- 2 - Precautionary Statement: Response.
- 2 - Precautionary Statement: Storage.
- 2 - Precautionary Statement: Disposal.
- 9 - 9.1. Information on basic physical and chemical properties (Appearance).
- 9 - 9.1. Information on basic physical and chemical properties (Colour).
- 9 - 9.1. Information on basic physical and chemical properties (PH).
- 9 - 9.1. Information on basic physical and chemical properties (Initial boiling point).
- 9 - 9.1. Information on basic physical and chemical properties (Melting point).
- 9 - 9.1. Information on basic physical and chemical properties (Flammability (solid, gas)).
- 9 - 9.1. Information on basic physical and chemical properties (Autoignition temperature).
- 9 - 9.1. Information on basic physical and chemical properties (Explosive properties).
- 9 - 9.1. Information on basic physical and chemical properties (Oxidising properties).
- 9 - 9.1. Information on basic physical and chemical properties (Vapour pressure).
- 9 - 9.1. Information on basic physical and chemical properties (Relative density).
- 9 - 9.1. Information on basic physical and chemical properties (Viscosity).
- 9 - 9.1. Information on basic physical and chemical properties (Vapour density).
- 9 - 9.1. Information on basic physical and chemical properties (Evaporation rate).
- 9 - 9.1. Information on basic physical and chemical properties (Freezing Point).
- 9 - 9.1. Information on basic physical and chemical properties (Fat Solubility).
- 9 - 9.1. Information on basic physical and chemical properties (Odour threshold).
- 9 - 9.2. Other information (Conductivity).
- 9 - 9.2. Other information (Partition coefficient).
- 9 - 9.2. Other information (Gas group).
- 9 - 9.2. Other information (Surface tension).
- 9 - 9.2. Other information (Benzene Content).
- 9 - 9.2. Other information (Lead content).
- 12 - 12.1. Toxicity.
- 15 - Labelling.
- 15 - Risk phrases.
- 15 - Safety phrases.

Text of risk phrases in Section 3

- R10 - Flammable
- R11 - Highly flammable.
- R12 - Extremely flammable.



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## Other information

Text of Hazard Statements in Section 3	<p>R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed.  R20/21 - Harmful by inhalation and in contact with skin.  R36/38 - Irritating to eyes and skin.  R36 - Irritating to eyes.  R37 - Irritating to respiratory system.  R38 - Irritating to skin.  R43 - May cause sensitisation by skin contact.  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.  R67 - Vapours may cause drowsiness and dizziness.</p> <hr/> <p>EUH066 - Repeated exposure may cause skin dryness or cracking.  Flam. Liq. 2: H225 - Highly flammable liquid and vapour.  Eye Irrit. 2: H319 - Causes serious eye irritation.  STOT SE 3: H336 - May cause drowsiness or dizziness.  Flam. Gas 1: H220 - Extremely flammable gas.  Flam. Liq. 3: H226 - Flammable liquid and vapour.  Acute Tox. 4: H312 - Harmful in contact with skin.  Skin Irrit. 2: H315 - Causes skin irritation.  Acute Tox. 4: H332 - Harmful if inhaled.  Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.  Aquatic Chronic 2: H411 - Toxic to aquatic life with long lasting effects.  Skin Sens. 1: H317 - May cause an allergic skin reaction.</p>
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