



By Appointment to
Her Majesty The Queen
Brushes, Paints & Gilding Materials
A.S. Handover Ltd.



A. S. HANDOVER

BRUSHES, PAINTS,
GOLD LEAF & SUNDRIES

Safety Data Sheet

-Handover Metallic Paint-

Issued 30/01/2023

1. Identification of substance

Product details

Trade name: **HANDOVER METALLIC PAINT**

Application of the substance / the preparation: metallic pigmented paint for use indoors and outdoors

Producer/ Supplier:

A.S.Handover Ltd.

1 Farleigh Place,

London N16 7SX

Phone +44 (0) 207 241 5877

2. Composition/Data on components

Chemical characterization:

Name	Concentration % (C)	Classification
DIBUTYL PHTHALATE Cas No 84-74-2 Repr. Cat. 2 CE No 201-557-4 Index No 607-318-00-4 Repr. Cat. 3	0,3 <= C < 0,35	T R61 Xn R62 N R50
XYLENE (MIXTURE OF ISOMERS) Cas No 1330-20-7 CE No 215-535-7 Index No 601-022-00-9 Note C	35 <= C < 37,5	R10 Xn R20/21 Xi R38
NAPHTHA (PETROL.) HYDRODESULFURIZED HEAVY Cas No 64742-82-1 Note H P 4 CE No 265-185-4 Index No 649-330-00-2	3,5 <= C < 4	Xn R65

3. Hazards identification

Hazard designation



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Xn

R 10-20/21-38.

Information pertaining to particular dangers for man and environment

Because of its chemical-physical features, this product is graded as flammable (flash-point 21 °C or higher and 55 °C or lower).

HARMFUL BY INHALATION AND IN CONTACT WITH SKIN.

IRRITATING TO SKIN.

Classification system

This product is dangerous under 67/548/EEC and 1999/45/EC directives and subsequent amendments. Therefore, this product requires a safety data sheet according to the Regulation (EC) 1907/2006 and subsequent amendments..

4. First aid measures

General information:

- * After inhalation Remove to open air. If breathing is irregular or stopped, administer artificial respiration. Obtain immediate medical attention.
- * After skin contact Immediately wash with plenty of water. Remove all contaminated clothing. Obtain immediate medical attention. Wash contaminated clothing separately before using them again.
- * After eye contact, Irrigate copiously with clean, fresh water for at least 15 minutes. Seek medical advice.
- * After swallowing Obtain immediate medical attention. Induce vomiting only if indicated by the doctor. Give nothing by mouth to an unconscious person.

5. Fire fighting measures

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Excess pressure may form in containers exposed to fire at a risk of explosion.

Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system.



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Dispose of contaminated water and the remains of the fire according to applicable regulations.

Suitable extinguishing agents:

The extinction equipment should contain carbon dioxide, foam or chemical powders. For product leaks and spills that have not caught fire, nebulised water can be used to dispel flammable fumes and protect the individuals taking part in stemming the leak.

For safety reasons /unsuitable extinguishing agents:

Do not use jets of water. Water is not effective for putting out fires but can be used to cool containers exposed to flames to prevent explosions.

Protective equipment for fire-fighters:

Hardhat with visor, fireproof clothing (fireproof jacket and trousers with ties around arms, legs and waist) work gloves (fireproof, cut proof and dielectric), self-respirator (self-protector).

6. Accidental release measures

Person-related safety precautions:

Eliminate sources of ignition (cigarettes, flames, sparks, etc.) from the air in which the leak occurred. If there are no contraindications, spray solid products

with water to prevent the formation of dust. Use breathing equipment if fumes or powders are released into the air. Block the leakage if there is no hazard. Do not handle damaged containers or leaked product before donning appropriate protective gear. Send away individuals who are not suitably equipped. For information on risks for the environment and health, respiratory tract protection, ventilation and personal protection equipment, refer to the other sections of this sheet.

Measures for environmental protection:

The product must not penetrate the sewers, surface water, ground water and neighbouring areas.

Measures for cleaning/collecting:

For liquid products, suck into a suitable container (made of material not incompatible with the product) and soak up any leaked product with absorbent inert material (sand, vermiculite, diatomaceous earth, Kieselguhr, etc). Collect the majority of the remaining material and deposit in containers for disposal.

For solid products, use spark proof mechanical tools to collect the leaked product and place it in plastic containers. If there are no contraindications, use jets of water to eliminate product residues. Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.



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7. Handling and storage

Store in a well ventilated place, keeping the containers closed when not used. Do not smoke while handling. Keep far away from sources of heat, bright flames and sparks and other sources of ignition.

8. Exposure controls and personal protection

Additional information:

As the use of adequate technical equipment must always take priority over personal protection equipment, make sure that the workplace is well aired through effective local aspiration or bad air vents. If such operations do not make it possible to keep the concentration of the product below the permitted workplace exposure thresholds a suitable respiratory tract protection must be used. See product label for hazard details during use. Ask your chemical substance suppliers for advice when choosing personal protection equipment. Personal protection equipment must comply with the rules in force indicated below.

General protective and hygienic measures: Wash hands during breaks and at the end of the work.

Breathing equipment: If workplace maximum concentration thresholds are exceeded, wear a partial facemask with an ABEK2P3 fume and powder mask (see standard EN141). If no technical measures are defined, to limit worker exposure, airway protection equipment, such as masks with cartridges for organic fumes and for powders/dusts must be used.

Facemasks only provide limited protection. For high concentrations in the workplace or in the case of an emergency, when exposure levels are unknown, wear an open circuit compressed air self-respirator (see standard EN 137) or an external air intake respirator with mask, partial mask or snorkel (see standard EN 138).

Protection of hands: Protect hands using Laminate LCT Film work gloves. We recommend applying protective hand cream. The following should be considered when choosing work glove material: degradation, breakage times and permeation. Work glove resistance to preparations should be checked before use, as it can be unpredictable. This limit depends on the duration of exposure.

Eye protection: Wear sealed protective goggles with side shields (see standard EN 166).

Body protection: Wear water-repellent overalls with long sleeves and professional water-repellent safety footwear.

For maintenance and product transfer operations: tyvek overalls and water-repellent PVC boots. Wash with soap and water after removing protective clothing. Wash clothing before reuse.

An emergency eye washing and shower system must be provided.

9. Physical and chemical properties



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* General information	
Form : Colour: Smell:	Liquid As metallic pigment added Solvent
Change in condition Melting point/Melting range: Boiling point/Boiling range:	Not determined Not available
Flash point:	>21°C
Inflammability (solid, gaseous)	flammable
Danger of explosion:	Not available
Density at 20 °C:	Not available
Settled apparent density at 20 °C:	Not available
Solubility in/ Miscibility with organic solvent :	Soluble

10. Stability and reactivity

Thermal decomposition / conditions to be avoided:

The product is stable in normal conditions of use and storage. When heated or in the event of a fire, carbon oxides may be released and vapours which are dangerous to health. The vapours may also form explosive mixtures with the air.

Xylene is stable but may give violent reactions if placed in contact with strong oxidants such as nitric acid, sulfuric acid, perchlorates and similar agents. It is biodegradable in water and decomposes in the sunlight (photodegradable).

11. Toxicological information

Acute toxicity: inhalation and cutaneous absorption of this product are harmful. This product may irritate mucosas, the upper respiratory tract, and eyes.

Exposure symptoms may include: stinging and irritated eyes, mouth, nose, throat; cough, respiratory disorders, dizziness, headache, nausea and sickness.

In the most serious cases, inhalation of this product may cause larynx and bronchial tube edema and irritation, chemical pneumonia and pulmonary edema. Upon contact with skin, this product may irritate it, causing an increase in skin temperature, swelling and itchiness. Ingestion of even small amounts of this product may cause health problems (stomach



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pain, nausea, sickness, diarrhoea).

Xylene: has a toxic effect on the CNS (encephalopathies). Irritating to the skin, conjunctivae, cornea and respiratory apparatus.

12. Ecological information

General notes: No specific data are available for this product. Handle it according to good working practices. Avoid littering. Do not contaminate soil, sewers and waterways. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

Please take all the proper measures to reduce harmful effects on aquifers.

DIBUTYL PHTHALATE

EC50 (48h):

3,93 mg/l/48h Daphnia magna

IC50 (72h):

0,21 mg/l/72h Scenedesmus acutus

LC50 (96h):

1,6 mg/l/96h Oncorhynchus mykiss

13. Disposal considerations

Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Waste transportation may be subject to ADR restrictions.

Uncleaned packagings:

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

14. Transport information



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Land transport ADR/RID and GGVS/ GGVE (cross-border/domestic):		
	* Class ADR/RID- GGVS/E: * Kemler Number : * UN-Number: * Packaging Group: * Label * Designation of goods:	3 30 1263 III 3 Paint or paint related material 640E
Maritime transport IMDG/GGVSea:		
	* Class IMDG-GGVSea: * UN-Number: * Packaging Group: * Label * EMS Number * Correct technical name:	3 1263 III 3 F-E, S-E Paint or paint related material
Air transport ICAO-TI and IATA-DGR:		
	* Class ICAO/ IATA: * UN/ID Number: * Label * Packaging Group: * Correct technical name: *Cargo: Packaging instructions: 310 Maximum quantity: 220 L *Pass. Packaging instructions: 309 Maximum quantity: 60 L Special Instructions: A3, A72	3 1263 3 III METAL POWDER, FLAMMABLE, N.O.S. 310 220 L 309 60 L A3, A72

15. Regulatory information

Designation according to EC guidelines:

Code letter and hazard designation of product:

Xn harmful

R10 flammable.



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R20/21 harmful by inhalation and in contact with skin.

R38 irritating to skin.

Risk phrases:

S 9 keep container in a well-ventilated place.

S36/37 wear suitable protective clothing and gloves.

Restrictions: BUTYL PHTHALATE

16. Other informazion

Text of -R-phrases quoted in section 3 of the sheet.

R10 FLAMMABLE.

R20/21 HARMFUL BY INHALATION AND IN CONTACT WITH SKIN.

R38 IRRITATING TO SKIN.

R50 VERY TOXIC TO AQUATIC ORGANISMS.

R61 MAY CAUSE HARM TO THE UNBORN CHILD.

R62 POSSIBLE RISK OF IMPAIRED FERTILITY.

R65 HARMFUL: MAY CAUSE LUNG DAMAGE IF SWALLOWED.
