

IMMERSION TIN

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME COPPER POLISH PART A
PRODUCT NO. QF1981
SUPPLIER Crownhill Associates Ltd
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2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterisation

Mixture (preparation)

Hazardous ingredients

TIN(II) METHANESULPHONATE

Concentration > 1 %-b.w. < 15 %-b.w.

CAS no. 53408-94-9

Hazard symbols C R phrases 22, 34, 43

METHANESULPHONIC ACID

Concentration > 1 %-b.w. < 15 %-b.w.

CAS no. 75-75-2

Hazard symbols C R phrases 34

THIOUREA

Concentration > 1 %-b.w. < 20 %-b.w.

CAS no. 62-56-6

Hazard symbols Xn, N R phrases 22,40,51/53,63

3 HAZARDS IDENTIFICATION

Hazard symbols: C Corrosive

R phrases: 34, 40, 43, 63

Causes burns.

Possible risks of irreversible effects.

May cause sensitisation by skin contact.

Possible risk of harm to the unborn child.

4 FIRST-AID MEASURES

General information: By continuous complaints consult a physician. Remove immediately contaminated clothing and shoes and launder thoroughly before reusing.

After inhalation: Remove affected person from danger area. Ensure supply of fresh air. Irregular breathing/no breathing: artificial respiration. Summon a doctor immediately.

After skin contact: In case of contact with skin wash off immediately with soap and water. Summon a doctor immediately.

After eye contact: Separate eyelids; wash the eyes thoroughly with water (15 min.) Summon a doctor immediately.

After ingestion: Rinse out mouth and give plenty of water to drink. Do not induce vomiting. Summon a doctor immediately. Never give anything by mouth to an unconscious person.

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Use fire-extinguishing media appropriate for surrounding materials.

UNUSUAL FIRE & EXPLOSION HAZARDS

May develop highly toxic or corrosive fumes if heated.

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6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet.

SPILL CLEAN UP METHODS

DO NOT touch spilled material. Wear necessary protective equipment. Shovel into dry containers. Cover and move the containers. Flush the area with water. Inform Authorities if large amounts are involved.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid spilling, skin and eye contact.

STORAGE PRECAUTIONS

Store in closed original container at temperatures between 10°C and 30°C. Store in a dry place.

STORAGE CLASS

Chemical storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with occupational exposure limits to be monitored

TIN COMPOUNDS, ORGANIC

MAK (TRGS 900) 0.1000 E mg/m³

Personal protective equipment

Respiratory protection: If workplace limits are exceeded, a respiration protection approved for this particular job must be worn.

Hand protection: Protective gloves, Appropriate Material PVA Rubber

Eye protection: Tightly fitting safety glasses, Face shield

Skin protection: Clothing as usual in the chemical industry.

General protective and hygiene measures: Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Avoid contact with eyes and skin. Remove soiled or soaked clothing immediately. Wash hands before breaks and after work. Store work clothing separately. Hold eye bath available. Hold emergency shower available.

9) Physical and chemical properties

Appearance	Liquid
Colour	yellow
Odour	Sulphur-like

Safety data

Changes in physical state

Type	Boiling point
Value	> 100°C
Flash point	Not applicable

Vapour pressure

Value	ap 9,00 mbar
Reference temperature	20°C

Density

Value	1,24 g/cm ³
Method	DIN 51757
Reference temperature	20 °C

Revision Date: 26 Feb. 08

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Solubility

Remarks partially miscible

pH value

Value < 1

10 STABILITY AND REACTIVITY

STABILITY: Stable under normal temperature conditions.

CONDITIONS TO AVOID: Avoid contact with acids and oxidising substances.

MATERIALS TO AVOID: Strong oxidising substances. Strong acids.

11 TOXICOLOGICAL INFORMATION

INHALATION: May cause irritation to the respiratory system.

INGESTION: May cause chemical burns in mouth and throat.

SKIN CONTACT :Causes burns.

EYE CONTACT: Causes burns. Risk of serious damage to eyes.

ROUTE OF ENTRY: Inhalation. Ingestion. Skin and/or eye contact.

12 ECOLOGICAL INFORMATION

Do not discharge into the drains or waters and do not store on public depositories.

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS: Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION

UK ROAD CLASS	8, 40b		
PROPER SHIPPING NAME	Tin(II)methanesulfonat		
UN NO. ROAD	3265	UK ROAD PACK GR.	II
ADR CLASS NO.	8	ADR CLASS	Class 8: Corrosive substances.
ADR PACK GROUP	II	HAZARD No. (ADR)	80
ADR LABEL NO.	8	RID CLASS NO.	8
RID PACK GROUP	II	UN NO. SEA	3265
IMDG CLASS	8	IMDG PAGE NO.	8225-1
EMS	8-15	MFAG	760
MARINE POLLUTANT	No	UN NO. AIR	3265
AIR CLASS	8	AIR PACK GR.	II

15 REGULATORY INFORMATION

LABELLING: Corrosive
CONTAINS: SODIUM HYDROXIDE

RISK PHRASES: R34, 40, 43, 63
SAFETY PHRASES: S26, S28.2, S36/37/39, S45

Causes severe burns.
Limited evidence of a carcinogenic effect.
May cause sensitization by skin contact.
Possible risk of harm to the unborn child.

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In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
After contact with skin, wash immediately with plenty of soap-suds.
Wear suitable protective clothing.
Wear suitable gloves.
In case of insufficient ventilation, wear suitable respiratory equipment.

UK REGULATORY REFERENCES: Health and Safety at Work Act 1974. The Control of Substances Hazardous to Health Regulations 1988.

STATUTORY INSTRUMENTS: Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.

GUIDANCE NOTES: Workplace Exposure Limits EH40.

16 OTHER INFORMATION

DISCLAIMER

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 process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy or reliability.