



SAFETY DATA SHEET
TIN CONCENTRATE FS 20

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME TIN CONCENTRATE FS 20
 PRODUCT NO. 100030
 SUPPLIER SCHLOETTER COMPANY LTD
 NEW ROAD
 PERSHORE
 WORCESTERSHIRE WR10 1BY
 01386 552333
 01386 561005

2 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
METHANESULPHONIC ACID	200-898-6	75-75-2	5-10%	C;R34
TIN(II) METHANESULPHONATE	401-640-7	53408-94-9	30-60%	C;R34 Xn;R22 R43

The Full Text for all R-Phrases are Displayed in Section 16

3 HAZARDS IDENTIFICATION

Harmful if swallowed. Causes burns. May cause sensitisation by skin contact.
 CLASSIFICATION Xn;R22, C;R34, R43.

4 FIRST-AID MEASURES

GENERAL INFORMATION

Chemical burns must be treated by a physician. In case of accident or if you feel unwell, seek medical advice, show the label and safety data sheet where possible. When in doubt or symptoms persist, seek medical advice

INHALATION

Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention.

INGESTION

DO NOT INDUCE VOMITING! Rinse mouth thoroughly. Drink plenty of water. Get medical attention immediately!

SKIN CONTACT

Rinse the skin immediately with lots of water. Remove contaminated clothing. Get medical attention if irritation persists after washing. Chemical burns must be treated by a physician.

EYE CONTACT

Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

SPECIAL FIRE FIGHTING PROCEDURES

Keep run-off water out of sewers and water sources. Dike for water control.

SPECIFIC HAZARDS

May give off noxious or toxic gases in a fire.

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus. Full protective clothing

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Refer to section 8

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TIN CONCENTRATE FS 20



SPILL CLEAN UP METHODS

Clean-up personnel should use respiratory and/or liquid contact protection. Provide ventilation and confine spill. Do not allow runoff to sewer. Neutralise with sodium bicarbonate. Absorb in inert material and dispose of according to local authority requirements Flush with plenty of water to clean spillage area.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Mechanical ventilation or local exhaust ventilation is required. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

STORAGE PRECAUTIONS

Store in tightly closed original container in a cool, dry well-ventilated place. Keep away from Alkalies.

STORAGE CLASS

Chemical storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
TIN(II) METHANESULPHONATE	OES		2 mg/m3		4 mg/m3

INGREDIENT COMMENTS

Please note: The exposure limits are quoted for tin compounds, inorganic (ref. EH40)

PROTECTIVE EQUIPMENT



ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

RESPIRATORY EQUIPMENT

Wear suitable respiratory protection if there is vapour/spray/aerosol formation.

HAND PROTECTION

Use protective gloves.

EYE PROTECTION

Wear eye/face protection to prevent any possibility of eye contact.

OTHER PROTECTION

Provide eyewash station and safety shower. Wear appropriate clothing to prevent repeated or prolonged skin contact.

HYGIENE MEASURES

Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes wet or contaminated. Contaminated clothing must be laundered before reuse. Do not eat, drink, or smoke when using this product.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid Aqueous Solution		
COLOUR	Colourless to Yellow		
ODOUR	Odourless		
SOLUBILITY	Partly Soluble in water.		
RELATIVE DENSITY	1.55	pH-VALUE, CONC. SOLUTION	< 1.5
FLASH POINT (°C)	n/a		

10 STABILITY AND REACTIVITY

STABILITY

No hazardous reactions known if used for its intended purpose.

CONDITIONS TO AVOID

Reacts with alkalis and generates heat.

11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50

approx. 2500 mg/kg (oral rat)

INGESTION

Harmful if swallowed.

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SKIN CONTACT

Causes burns. May cause sensitisation by skin contact.

EYE CONTACT

Causes burns. Avoid contact with eyes

12 ECOLOGICAL INFORMATION

ECOTOXICITY

Do not allow to enter public watercourses, sewers or soil.

DEGRADABILITY

Biodegradable.

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

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

14 TRANSPORT INFORMATION



PROPER SHIPPING NAME	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (METHANESULPHONIC ACID)		
UN NO. ROAD	3265	ADR CLASS NO.	8
ADR CLASS	Class 8: Corrosive substances.	ADR PACK GROUP	III
HAZARD NO. (ADR)	80 Corrosive or slightly corrosive substance.	HAZARD No. (ADR)	80
ADR LABEL NO.	8	HAZCHEM CODE	2X
CEFC TEC(R) NO.	80GC3-II+III	UN NO. SEA	3265
IMDG CLASS	8	IMDG PACK GR.	III
EMS	F-A, S-B	UN NO. AIR	3265
ICAO CLASS	8	AIR PACK GR.	III

15 REGULATORY INFORMATION

LABELLING



Corrosive



Harmful

CONTAINS

METHANESULPHONIC ACID
TIN(II) METHANESULPHONATE

RISK PHRASES

R22 Harmful if swallowed.
R34 Causes burns.
R43 May cause sensitisation by skin contact.

SAFETY PHRASES

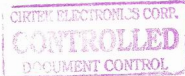
S24/25 Avoid contact with skin and eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S45 In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).
S60 This material and its container must be disposed of as hazardous waste.
S27/28E After contact with skin, immediately take off all contaminated clothing, and wash with plenty water, warm if possible, for at least 20 minutes.



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REVISION DATE: 30-03-05

TIN CONCENTRATE FS 20



STATUTORY INSTRUMENTS

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

GUIDANCE NOTES

Occupational Exposure Limits EH40.

16 OTHER INFORMATION

GENERAL INFORMATION

The data here is based on current knowledge and experience. This safety data describes the product in terms of safety requirements and does not signify any warranty with regard to the product properties. This safety data does not constitute a workplace risk assessment

REVISION DATE 30-03-05

REV. NO./REPL. SDS GENERATED Revision 2 / Replaces version 1 dated 26-04-2001

SDS NO. 100030

RISK PHRASES IN FULL

R22	Harmful if swallowed.
R34	Causes burns.
R43	May cause sensitisation by skin contact.



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