

Material Safety Data Sheet

Section 1 - Identification of the substance/preparation and company

Trade Name Aquachem 116
 Chemical Name/Synonyms - tetrahydro-3,5-dimethyl-2H-1,3,5-thiadiazine-2-thione
 Formula mixture
 UNNO 2924

Name of Company Aqueous Logic
 Address 248 Sutton Common Road
 Sutton, Surrey SM3 9PW
 Telephone no. (0208) 288-0128

Section 2 - Composition/information on ingredients

Substance	% composition	risk phrases	CAS number
tetrahydro-3,5-dimethyl-2H-1,3,5-thiadiazine-2-thione	24.0	N, C;R22,R35, R50	533-74-4

Section 3 - Hazards Identification

R22 Harmful if swallowed
 R35 Causes severe burns
 R50/53 Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment

Adverse effects	Skin	Eyes	Ingestion	Inhalation
	Irritation and rash possible. Prolonged contact will burn.	Direct contact will sting and burn. Tissue damage possible.	Not available at this time.	May irritate respiratory tract.

As part of our commitment to Responsible Care, we recommend that all purchased chemical products should be only discharged in dilute form to drains that are connected to the sanitary sewer to insure minimal environmental impact. All the ingredients within this product can be degraded/ safely absorbed by the environment.

Section 4 - First Aid measures

Skin	Wash thoroughly with abrasive soap and cold water. Wash clothing before reuse. Thoroughly clean shoes before reuse. Seek medical attention if needed.
Eyes	Flush immediately with copious amounts of water for 15 mins. If irritation persists, see a doctor.
Ingestion	Rinse mouth with copious amounts of water. Drink at least 2 glasses of water. Seek medical advice.
Inhalation	Remove to fresh air. Seek medical attention if required.

Section 5 - Fire-fighting measures

Suitable extinguishing media	Water fog, carbon dioxide, dry chemical.
Special protective equipment	Self contained breathing apparatus.
Special exposure hazards	Carbon disulphide and hydrogen sulphide may be formed.

Section 6 - Accidental release measures

Spills should be absorbed onto sawdust or sand and incinerated in licensed incinerator.

For large spills	Dike and contain. Place in non-leaking containers for disposal.
For very small spills	Soak or mop up. Wash into sewer with plenty of water.

Section 7 - Handling and storage

Handling	Avoid contact with skin, eyes and clothing. Do not ingest. Use in well ventilated area.
Storage	Store above 5 C. Do not store in copper or flexible PVC containers. Keep away from strong oxidising and reducing agents, strong acids. Avoid all possible sources of ignition (spark or flame)

We recommend that when handling all chemicals, the minimum precautions are the wearing of gloves and goggles. Efforts to minimize contact with chemicals should always be made.

Section 8 - Exposure controls/personal protection

Protective measures -	Respiratory protection	optional
	Hand protection	rubber gloves
	Eye protection	goggles
	Skin protection	wash contaminated clothing before reuse

Section 9 - Physical and chemical properties

Appearance	yellow to orange/brown clear liquid
Odour	slight ammonia smell
pH	>12.0
pH at 0.1%	11.0 - 12.0
Boiling point	N/A
Melting point	-5 C
Flash point	60 C
Density	1.15 - 1.17 g/ml
Solubility in water	complete

Section 10 - Stability and reactivity

Stability	stable
Conditions to avoid	excessive heat
Materials to avoid	strong oxidising and reducing agents, strong acids
Hazardous decomposition products	CS ₂ , H ₂ S, NO, SO ₂ . In fire, toxic sulphur gases may evolve.

Section 11 - Toxicological information

May cause irritation and rash if in contact with skin. Prolonged contact will burn.
Direct contact with eyes will sting and burn. Tissue damage possible.
Inhalation may irritate respiratory tract.

Section 12 - Ecological information

The product is toxic to fish.

Section 13 - Disposal considerations

Large amounts should be given to licensed disposal agency.

Section 14 - Transport information

UNNO 2924 Class 6.1
ADR/RID class 3PG III
UK Hazchem 38/2924

Section 15 - Regulatory information

R22 Harmful if swallowed
R35 Causes severe burns
R50/53 Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment
S15 Keep away from heat
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical attention.
S27 Take off immediately all contaminated clothing.
S37/39 Wear suitable gloves and eye/face protection.
S60 This material and its container must be disposed of as hazardous waste.
S61 Avoid release to the environment. Refer to special instructions/safety data sheets.

Section 16 - Other information

Keep container tightly closed when not in use
KEEP OUT OF THE REACH OF CHILDREN

The information on this Material Safety Data Sheet reflects the latest information and data that we have on hazards, properties, and handling of this product under recommended conditions of use. Any use of this product or method of application which is not described in the Product Data Sheet or on the Product Label is the responsibility of the user.