



# MATERIAL SAFETY DATA SHEET

No. HS D11

Rev. 0 Effective January 2016

COMPANY DETAILS		
Name : Techchem Specialized Chemicals	Emergency No: 082 451 5310	
Address : P O Box 78, BENONI. 1500	Fax: 086 566 7685	
Telephone: (011) 100 7763		
1. PRODUCT IDENTIFICATION		
PRODUCT Ref. Nr:	Biocide D11	
TRADE NAME:	Biocide D11	
PRODUCT DESCRIPTION :	BIOCIDE	
HAZCHEM CODE	UN NO:1760	EAC NO:
2. COMPOSITION		
HAZARDOUS COMPONENTS:Preparation- Isothiazolin (C A S NO 26172-55-4)		
3. HAZARDS IDENTIFICATION		
MAIN HAZARD: Irritation to skin and eyes		
FLAMMABILITY: Non flammable.		
CHEMICAL HAZARD: None.		
BIOLOGICAL HAZARD: No data available.		
REPRODUCTION HAZARD: No data available.		
EYE EFFECTS (EYES): Irritation and redness.		
HEALTH EFFECTS (SKIN): Irritant.		
HEALTH EFFECTS (INGESTION): Nausea, vomiting, irritant.		
HEALTH EFFECTS (INHALATION): Irritation / Coughing.		
CARCINOGENICITY: None		
MUTAGENICITY: No data available.		
NEUROTOXICITY: No data available.		
4. FIRST AID MEASURES		
PRODUCT IN EYE :	Wash with water for 15 minutes. Section 16(a)	
PRODUCT ON SKIN :	Wash with soap and water.	
PRODUCT INGESTED :	Do not induce vomiting. Section 16(a)	
PRODUCT INHALED :	Remove to fresh air.	
5. FIRE FIGHTING MEASURES		
EXTINGUISHING MEDIA :	Foam or dry Chemical.	
SPECIAL HAZARDS :	Chemical reaction can cause fire.	
PROTECTIVE CLOTHING :	Full chemical suit with breathing apparatus.	
6. ACCIDENTAL RELEASE MEASURES		
PERSONAL PRECAUTIONS :	Wear protective clothing.	
ENVIRONMENTAL PRECAUTIONS :	Do not allow to enter natural waterways.	
SMALL SPILLS :	Wash away with large amounts of water.	
LARGE SPILLS :	Contain with inert material and collect for disposal.	
7. HANDLING AND STORAGE		





SUITABLE MATERIAL:	Plastic Drums.
HANDLING/ STORAGE PRECAUTIONS:	Store in cool dry place.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS:	None.
ENGINEERING CONTROL MEASURES :	Safety showers. Adequate Ventilation.
PERSONAL PROTECTION – RESPIRATORY :	Work in places with adequate ventilation.
PERSONAL PROTECTION – HANDS :	Rubber gloves.
PERSONAL PROTECTION – EYES :	Wear goggles or face shield.
PERSONAL PROTECTION – SKIN :	Overall, Plastic apron, Gumboots, Gloves.
OTHER PROTECTION :	

### 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Clear green liquid
ODOUR:	Mild.
PH: (as received)	1.5 – 4.0
BOILING POINT:	100°C
MELTING POINT:	N/A
FLASH POINT:	None.
AUTOFLAMMABILITY:	None.
EXPLOSIVE PROPERTIES:	None.
OXIDISING PROPERTIES:	None.
VAPOUR PRESSURE:	As water.
DENSITY:	1.05 – 1.15
SOLUBILITY – WATER:	Soluble.
SOLUBILITY – SOLVENT:	Insoluble.
SOLUBILITY – CO-EFFICIENT:	N/A
NEUROTOXITY:	None.

### 10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID :	Heat.
INCOMPATIBLE MATERIALS :	None.
HAZARDOUS DECOMPOSITION PRODUCTS :	DBNPA

### 11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:	Refer Section 3
SKIN AND EYE CONTACT:	Refer Section 3
CHRONIC TOXICITY:	Refer Section 3
CARCINOGENICITY:	Not listed in any OSHA standard, section 1910.1200
MUTAGENICITY:	No data available.
REPRODUCTIVE HAZARDS :	No data available.

### 12. ECOLOGICAL INFORMATION

AQUATIC TOXICITY - FISH:	Dangerous to Aquatic Life at high concentrations.
AQUATIC TOXICITY – DAPHNIA:	Dangerous to Aquatic Life at high concentrations.
AQUATIC TOXICITY – ALGAE:	Dangerous to Aquatic Life at high concentrations.
BIODEGRADEABILITY:	Yes.
BIO-ACCUMULATION:	No.
MOBILITY:	Very mobile in water.

### 13. DISPOSAL CONSIDERATIONS





DISPOSAL METHODS: The product is not a hazardous waste. Dispose in an approved landfill.	
DISPOSAL OF PACKAGING: Dispose of drums through a registered drum re-conditioning company.	
<b>14. TRANSPORT INFORMATION (ACCORDING TO SABS 0228 AND 0229)</b>	
UN NO: 1760	CLASS: Hazard not classified.
SUBSTANCE IDENTITY NO: N/A	DANGER GROUP: 8
<b>15. REGULATORY INFORMATION</b>	
RISK PHASES: R21,R34,R24,R26	
SAFETY PHASES: S22,S36,S25,S36	
NATIONAL LEGISLATION:	
<b>16. OTHER INFORMATION</b>	
(a) Seek medical attention.	
(b)	
(c)	

*This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation. The information contained herein is based on the present state of our knowledge and is intended to describe our product from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.*

