



Part 1 – Overview

Assessment No.	COSHH 010	Assessment Date	December 2021	Review Period	12 Months
Assessor Name	Jonathan Ely	Position	Health & Safety Advisor		
Product Name	Deltasect	Manufacturer Details	Sharda Cropchem		
Location of Use	Inside enclosed building	Description of activity or work process that the product is used	Biocidal insecticide		

Part 2 – Evaluation

Persons at Risk	Employees	✓	Contractors	✓	Visitors	✓	Public	✓	Other	✓
Route of Exposure	Inhalation	✓	Ingestion	✓	Skin Contact	✓	Eye Contact	✓	Injection	

Hazard Symbols

								
Explosive	Flammable	Oxidising	Corrosive	Acute toxicity	Hazardous to the environment	Health hazard	Serious health hazard	Gas under pressure

Hazard Statements

R22 Harmful if swallowed, R23/25 Toxic by inhalation and if swallowed, R38 Irritating to skin, R41 Risk of serious damage to eyes, R43 May cause sensitisation by skin contact, R50 Very toxic to aquatic organisms, R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 H301 Toxic if swallowed, H302 Harmful if swallowed, H315 Causes skin irritation, H317 May cause an allergic skin reaction, H318 Causes serious eye damage, H331 Toxic if inhaled, H400 Very toxic to aquatic life, H410 Very toxic to aquatic life with long lasting effects.

Precautionary Statements

Wear protective gloves (EN374). Wear approved safety goggles (EN166). Wear appropriate clothing to prevent any possibility of skin contact.















Part 3 – Control Measures

First Aid Measures	
Inhalation	Move the exposed person to fresh air at once. Get medical attention. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.
Ingestion	NEVER INDUCE VOMITING. Rinse mouth thoroughly. Get medical attention immediately! If breathing stops, provide artificial respiration.
Skin Contact	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention promptly if symptoms occur after washing.
Eye Contact	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention immediately. Continue to rinse.
Injection	Nil
General	Remove affected person from source of contamination. CAUTION! First aid personnel must be aware of own risk during rescue! Place unconscious person on the side in the recovery position and ensure breathing can take place.



<p>Fire Precautions</p>	<p>Extinguishing media: Extinguish with foam, carbon dioxide, dry powder or water fog. Larger fires: Alcohol resistant foam. Water spray, fog or mist.</p> <p>Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.</p> <p>Hazardous combustion products: When heated, toxic and corrosive vapours/gases may be formed. Vapours/gases/fumes of: Hydrogen bromide (HBr). Hydrogen cyanide (HCN). Oxides of: Carbon. Nitrogen. Sulphur.</p> <p>Unusual Fire & Explosion Hazards: Solvent vapours may form explosive mixtures with air.</p> <p>Specific hazards: Dike and collect extinguishing water. Avoid releasing to the environment. Do not discharge into drains, water courses or onto the ground.</p> <p>Special Fire Fighting Procedure: In case of fire and/or explosion do not breathe fumes. Protective equipment for fire-fighters. Wear full protective clothing (EN 469). Self-contained breathing apparatus.</p>	<p>Spillage (accidental release)</p>	<p>Personal precautions, protective equipment and emergency procedures: Warn everybody of potential hazards and evacuate if necessary. Wear protective gloves (EN 374). Wear approved safety goggles (EN166). Wear appropriate clothing to prevent any possibility of skin contact. Use respiratory equipment EC EN 141 and 143 (half) or EN 166 (full), with A2P3 cartridge and boots (EC EN 20 345 or EC EN 13 832).</p> <p>Environmental precautions: Avoid discharge into drains, water courses or onto the ground. Stop leak, if possible, without risk. DO NOT touch spilled material! In case of entry into waterways, soil or drains, inform the responsible authorities.</p> <p>Methods and material for containment and cleaning up: Absorb with sand or other inert absorbent. Dike far ahead of larger spills for later disposal. Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labelled container. This material and its container must be disposed of as hazardous waste.</p>
<p>Handling</p>	<p>Do not allow runoff to get into the sewage system. Do not contaminate surface water or ditches with chemical or used containers. Advice on general occupational hygiene: do not breathe the spray. Avoid skin and eye contact. Do not eat, drink, or smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas. Wash all protective clothing thoroughly after use.</p>	<p>Storage</p>	<p>Store in tightly closed original container in a dry, cool and well-ventilated place. Protect from light, including direct sunrays. Store away from incompatible materials listed in section 10 of this safety data sheet. Keep out of the reach of children. Protect from moisture.</p>



Workplace Exposure Limits (WEL)											
Ingredient				8-hour (long term exposure limit)		15-minute (short term exposure limit)					
Deltamethrin				150 ppm		10 mg/m ³		-		-	
1,2-Benzisothiazol-3(2H)-				-		2.4 mg/m ³		-		-	
Active Ingredients (if not identified with a WEL)											
1,2-Propandiol											
Silicon dioxide											
Personal Protective Equipment											
											
Glasses	Goggles	Face Shield	Dust Mask	Half Mask RPE	Full Face RPE	Air Fed RPE / SCBA	Gloves	Boots	Apron	Coveralls	Lab / Chefs Coat
EN166	EN166		FFP3				EN374				
Other:	Nil										
Physical State of Product:		Liquid									
Disposal	<p>General information: Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority. Waste is suitable for incineration. Contact specialist disposal companies. Do NOT reuse empty containers. Empty containers can be sent for disposal or recycling.</p>					Transport	Do not transport in open containers. Do not transport off premise.				
Local Exhaust Ventilation	Only use in well ventilated areas.					Monitoring Requirements	Nil				
Training Requirements	Only properly trained and authorised personnel shall handle the substance. Communicate all relevant COSHH assessments, risk assessments and method statements.					Additional Controls	Nil				



Part 4 - Completion

Additional Comments

Endorsed By:		Position:		Date:	
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