

According to regulation (EC) No. 1907/2006 and its amendment regulation (EC) No. 2015/830

MADEX TOP

Cootier 1	Identification of the whet	
Section 1	Identification of the mixture	and of the company
1.1	Product identifier	Mala Ta A
	Product name	Madex Top ®
1.0	Synonyms	
1.2		e mixture and uses advised against
	Use of the product	Biological insecticide
	Uses advised against	
1.3	Details of the supplier of the S	•
	Supplier	Andermatt Biocontrol AG
	Address	Stahlermatten 6
		6146 Grossdietwil
	Phone (technical)	+41 (0)62 917 5125
	E-mail	contact@andermattbiocontrol.com
1.4	Emergency telephone numbe	
	Phone (medical)	+41 (0)44 251 5151 (Swiss Toxicology Centre)
Section 2	Hazards identification	
2.1	Classification of the mixture	
		Classification according to Regulation (EC) No 1272/2008 [CLP]
2.2	Label elements	
		Store locked up.
		Keep out of the reach of children.
		Do not breathe vapours. Avoid contact with skin.
		To avoid risks to human health and the environment, comply with
		the instructions for use.
		Contains Cydia pomonella Granulovirus. May produce an allergic
		reaction.
2.3	Other hazards	
		This mixture does not contain any substances, which are persistent, bioaccumulative and toxic (PBT).
		This mixture does not contain any substances which are very
		persistent and very bioaccumulative (vPvB).
Section 3	Composition/information or	n ingredients
	Substances	
		This product is a mixture
3.2	Mixtures	
0.2		Cydia pomonella granulovirus
		No hazardous component according to Regulation (EC) No
		1272/2008 [CLP]
Section 4	First aid measures	
4.1	Description of first aid measu	
	General notes	If medical advice is needed, have product container or label at
		hand. Change any contaminated or wetted clothing at once.
		If poisoning occurs contact a doctor or Swiss Toxicology Centre.
	Following inhalation	Only possible by exposure to HOT product. Move to fresh air,
		rest, half upright position, loosen clothing. Oxygen or artificial
		respiration if there is difficulty in breathing. Seek medical advice
		after significant exposure. Symptomatic treatment is advised.

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		Following skin contact	Remove contaminated clothing. Seek medical advice if irrita develops. Launder clothes before reuse. After contact with wash immediately with plenty of water.	
		Following eye contact	Rinse thoroughly with plenty of water. Eyelids should be ho away from the eyeball to ensure thorough rinsing. Seek me advice if irritation develops.	
		Following ingestion	No typical symptoms and affects known	
		Advice to physician	Symptomatic treatment	
	4.2	Most important symptoms and	d effects, both acute and delayed	
	13	Indication of any immediate m	No typical symptoms and effects known. nedical attention and special treatment needed	
	4.3	indication of any inimediate in	None	
			None	
	Section 5	Firefighting measures		
	5.1	Extinguishing media		
		Suitable extinguishing media Unsuitable extinguishing media	Water mist, alcohol resistant foam, carbon dioxide, dry pow Water-jet, foam	der
	5.2	Special hazards arising from t		
			Vapours cause coughing At elevated temperatures (> 200°C), there is a risk of exoth polymerization. At temperatures > 280°C, acrolein may be formed.	ermic
	5.3	Advice for firefighters		
			Avoid contact with oxidizing agents. Cool closed containers water.	with
	Section 6	Accidental release measure	S	
	6.1	Personal precautions, protect	ive equipment and emergency procedures	
			Use protective clothing. Do not inhale.	
	6.2	Environmental precautions		
			Prevent entry into drains, waters, sewages etc. of the product contact immediately the municipal technical management if product enters such bodies.	
	6.3	Methods and material for cont	- ·	
			Use adsorbent material to collect spillage (e.g. sawdust, pe chemical binder). Place contaminated adsorbent in closable containers. Use a damp cloth to clean floors and other obje after removal of contaminated adsorbent. Also place used cleaning materials into closable receptacles.	e
	6.4	Reference to other sections		
			See personal protective equipment under Section 8 of SDS	6.
	Section 7	Handling and storage		
	7.1	Precautions for safe handling		
			The usual precautions for handling chemicals should be observed	
	7.2	Conditions for safe storage, in		
			Store in original package only. Stored in the refrigerator (< store two years. Stored at -18°C for years without any loss of activity.	5°C)
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Biological Insecticide

7.3 Specific end use(s)



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Section 8	Exposure controls/persona	I protection
8.1	· · ·	
		The usual precautionary measures for handling chemicals should be observed
8.2	Exposure controls	
	Eye/face protection	No specific recommendations
	Skin protection	Use protective clothing
	Respiratory protection	No specific recommendations
	Thermal hazards	No specific recommendations
	Other information	None
Section 9	Physical and chemical prop	perties
9.1	Information on basic physical	
	Physical state	Liquid (20°C)
	Colour	Grey-brown
	Odour	Characteristic
	Odour threshold	Not determined
	рН	6-7
	Melting point/freezing point	Not determined (is not freezing at -18°C)
	Initial boiling point and	103 - 290°C
	boiling range	
	Flash point	Not determinable up to 101°C
	Evaporation rate	Not determined
	Flammability	Not flammable
	Upper/lower flammability or explosive limits	Not flammable
	Vapour pressure	Not determined
	Vapour density	Not relevant
	Relative density	1.16 (g/ml)
	Solubility(ies)	Soluble in water
	Partition coefficient: n- cotanol/water	Not determined
	Auto-ignition temperature	Not determined
	Decomposition temperature	>200°C
	Viscosity	1200 mPa × s
	Explosive properties	Non explosive
	Oxidising properties	Non oxidizing
9.2	Other information	
		None
Section 10	Stability and Reactivity	
10.1	Reactivity	
		Not reactive
10.2	Chemical stability	
		No decomposition if stored and handled properly
10.3	Possibility of hazardous react	tions
		Not relevant
10.4	Conditions to avoid	
		Temperature >200°C (polymerization, decomposition)
10.5	Incompatible materials	
		Avoid contact with oxidizing agents
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10.6	Hazardous decomposition pro	oducts
	· · ·	Acrolein (>280°C)
Section 11	Toxicological information	
11.1	Information on toxicological e	ffects
	Acute toxicity Skin corrosion/irritation	Rat, oral, 5×10^9 granules /kg BW (AcNPV), no adverse effects Rabbit, contact, 0.5 mL/animal (2.2 × 10 ¹³ granula of CpGV/L) for 4 h, no adverse effect
	Serious eye damage/irritation Respiratory or skin sensitization Germ cell mutagenicity Carcinogenicity Reproductive toxicity	Rabbit, contact, 0.1 mL/eye $(2.2 \times 10^{13} \text{ granula of CpGV/L})$ for 24 h, non-irritating Guinea pig, inhalation, 35 mg CpGV (7 × 10 ⁸ granules) per m ³ for 15 min, no adverse effects Not determined Not classified Not classified
	STOT-single exposure	Not existing
	STOT-repeated exposure	Not existing
	Aspiration hazard	Not relevant
Section 12	Ecological information	
	Toxicity	
	Acute (short-term) toxicity	
	Fish	Oncorhynchus mykiss, 96 hour $LC_{50} > 100 \text{ mg/L} = 2.0 \times 10^9 \text{ CpGV/L}$
	Crustacea	Daphnia magna, 48 hour $LC_{50} > 100 \text{ mg/L} = 2.0 \times 10^9 \text{ CpGV/L}$
	Algae/aquatic plants	Scenedesmus subspicatus, 72 hour $EC_{50} > 100 \text{ mg/L} = 2.0 \times 10^9 \text{ CpGV/L}$
	Other organisms	<i>Lemna gibba</i> , 7 day EC_{50} > 100 mg/L = 3.1 x 10 ⁹ CpGV/L
	Chronic (long-term) toxicity	
	Fish	Not determined
	Crustacea	Not determined
	Algae/aquatic plants	Not determined
10.0	Other organisms	Not determined
12.2	Persistence and degradability Abiotic Degradation	, рН
	Physical- and photo-	UV light
	chemical elimination	ev light
	Biodegradation	Soil microflora
12.3	Bioaccumulative potential	
	Octanol/water partition coefficient (Kow)	Not determined
10.4	Bioconcentration factor (BCF)	Not determined
12.4	Mobility in soil	CnCV paraiete in the sail for a fairly long pariod in the
	Known or predicted distribution to environmental compartments	CpGV persists in the soil for a fairly long period in the immobilised state and does not accumulate.
	Surface tension	Not determined
	Adsorption/Desorption	Not determined
12.5	Results of PBT and vPvB ass	
	0.1	This mixture does not contain any substances that are assessed to be a PBT or a vPvB.
12.6	Other adverse effects	



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			None
	127	Additional information	
	12.1		None
Section		Disposal considerations	
	13.1		
		Product/Packaging disposal Waste codes/waste designations according to	Use pressure rinsing devices or triple rinsing with water to reduce any product residues in the container to insignificant levels. Don't dispose product or containers on ponds, rivers or ditches. Don't re-use containers for other purposes. Waste disposal and recycling contractors will take cleaned containers. Waste resulting from the use of the product must be disposed on site or on an approved waste disposal facility. Empty the sprayer out in the field being treated by spraying out on to a relatively pest free part of the field left unsprayed or under-dosed for the crop. Not applicable
		LoW	
		Waste treatment-relevant information	None
		Sewage disposal-relevant information	Waste should not be disposed of by release to sewers
		Other disposal recommendations	None
Section	14	Transport Information	
		Inland transport	Not restricted
		Sea transport	Not restricted
		Air transport	Not restricted
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Section	-	Regulatory information	
	15.1	•	ental regulations/legislation specific for the mixture
		Authorisations	Not relevant
	4 = 0	Restrictions on use	Not relevant
	15.2	Chemical Safety Assessmen	No Chemical Safety Assessment has been carried out for this mixture by the supplier.
Section	16	Other information	
			This information only concerns the above mentioned product and does not need to be valid if used with other product(s) or in any process. The information is to our best present knowledge correc and complete and is given in good faith but without warranty. It remains the user's own responsibility to make sure that the information is appropriate and complete for his special use of this product.
	i	Indication of changes	
			Adapted to the regulation (EC) No. 1272/2008 [CLP]
		Date of printing	11.02.2020