SHARDA EUROPE B.V.B.A

DELTACID SPEEDY
Safety Data Sheet

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/ PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 Product details
Trade Name: DELTACID SPEEDY
Name: Deltamethrin 2% + Tetramethrin 3% + PBO 8% SC

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1 Relevant identified uses
Main use category: Biocide

1.2.2 Uses advised against
No additional information available

1.3 Details of the supplier of the safety data sheet
Manufacturer/Supplier: Sharda Europe B.V.B.A-ITALY
Jozef Mertensstraat 142, 1702 Dilbeek (Belgium)

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 CLP

Acute toxicity (oral), Category 4	H302
Serious eye damage/eye irritation, Category 2	H319
Hazardous to the aquatic environment — Acute Hazard, Category	H400
Hazardous to the aquatic environment — Chronic Hazard, Category 1	H410

Full text of H statements: see section 16

Adverse physicochemical, human health and environmental effects
No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :

GHS07 GHS08 GHS09

Signal word (CLP) : Warning
Hazardous ingredients : Tetramethrin; deltamethrin (ISO); (S)-α-cyano-3-Phenoxybenzyl (1R, 3R)-3-(2,2- dibromovinyl)-2,2-

Dimethylcyclopropanecarboxylate

Hazard statements (CLP) : H302 - Harmful if swallowed.
H319 - Causes serious eye irritation. H351 -
H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements (CLP)

: P201 - Obtain special instructions before use.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313 - IF exposed or concerned: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P391 – Collect spillage.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

EUH-statements : EUH208 - Contains 1,2-benzisothiazol-3(2H)-one; 1,2-benzisothiazolin-3-one. May produce an allergic reaction.

2.3 – Other hazards
No other information available

SECTION 3. COMPOSITION/ INFORMATION ON INGREDIENTS

3.1 Substances: Not applicable
3.2 Mixture:

Name Commercial	IUPAC	CAS No.	Function	g/l	%w/w
Deltamethrin	(S)-a-cyano-3-phenoxybenzyl (1R,3R)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropane carboxylate	52918-63-5	Active Ingredient	23.30	2.04
Tetramethrin	(1,3,4,5,6,7-hexahydro-1,3-dioxo-2H-isoindol-2-yl) methyl (1R-trans)-2,2-dimethyl-3-(2-methylprop-1-enyl) cyclopropanecarboxylate	7696-12-0	Active Ingredient	37.23	3.26
Piperonyl butoxide	1,3-Benzodioxole,5-[[2-(2-butoxyethoxy) ethoxy]methyl]-6-propyl	51-03-6	Active Ingredient	92.27	8.08

Glycol monopropylene	1,2 propylene glycol	57-55-6	Solvent	70.00	6.13
Urea	Urea	57-13-6	Stabilizer	39.97	3.5
Soitem 131	NA	ND	Surfactant	2.06	0.18
SOITEM 8 FLN	NA	Blend	Surfactant	19.99	1.75
Soitem DS70	NA	Blend	Surfactant	5.02	0.44
Xanthan gum	Xanthan gum	11138-66-2	Thickener	4.00	0.35
Water	Water	7732-18-5	Diluent	848.16	74.27
Total				1142.5	100%

SECTION 4. FIRST AID MEASURES

4.1 – Description of first-aid measures

First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation: Move the affected person away from the contaminated area and into the fresh air. If not breathing, give artificial respiration. Call a doctor.

First-aid measures after skin contact: Remove contaminated clothes. After contact with skin, wash immediately and thoroughly with water and soap.

First-aid measures after eye contact: Wash with plenty of water (during 20 minutes minimum) with eyes wide open after taking off soft contact lenses and immediately take medical advice.

First-aid measures after ingestion: Rinse mouth. Immediately call a POISON CENTER/doctor.

4.2 – Main symptoms and effects, both acute and retarded

No additional information available

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media:

Suitable extinguishing media: Water spray. Dry powder. Foam. Carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Fire hazard: In case of fire and/or explosion do not breathe fumes.

Explosion hazard: Risk of explosion if heated under confinement. May form flammable/explosive vapour-air mixture.

Reactivity in case of fire: Product is not explosive.

Hazardous decomposition products in case of fire: Carbon monoxide. Nitrogen oxides. Carbon dioxide. Toxic fumes may be released. May release flammable gases.

5.3 Advice for firefighters

Precautionary measures fire: Keep container tightly closed and away from heat, sparks and flame. Keep away from combustible materials.

Firefighting instructions: Appropriate self-contained breathing apparatus may be required. Get the package away from the fire if this can be done without risk. Prevent fire fighting water from entering the environment.

Protection during firefighting: Wear fire/flame resistant/retardant clothing. Do not enter fire area without proper protective equipment, including respiratory protection.

Other information: Do not allow material to contaminate surface water system. In case of fire, corrosive and harmful gases come free.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment: Wear suitable protective clothing, gloves and eye or face protection. Chemical resistant gloves (according to European standard NF EN 374 or equivalent). EN 166. Wear eye protection. Personal protective equipment. EN ISO 20345.

Emergency procedures : Evacuate personnel to a safe area.

6.2 Environmental precautions

Danger of pollution of drinking water when product enters the soil. Do not allow run-off from fire fighting to enter drains or water courses. Notify authorities if liquid enters sewers or public waters. Avoid creating or spreading dust. Dispose of rinse water as waste water. Avoid release to the environment. Notify authorities if product enters sewers or public waters.

6.3 – Methods and material for containment and cleaning up

For containment : Label the container and provide warning statements to prevent any contact.

Methods for cleaning up

Soak up with inert absorbent material (for example sand, sawdust, a universal binder, silica gel). Clean spills promptly. Wash contaminated area with large amounts of water. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Carefully collect remainder. Minimise generation of dust.

6.4 – Reference to other sections

No additional information available

SECTION 7. HANDLING AND STORAGE

7.1 - Precautions for safe handling

Additional hazards when processed: Do not allow run-off from fire fighting to enter drains or water courses. Do not contaminate water with the product or its container (Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads).

Precautions for safe handling: Avoid contact with skin and eyes. Do not eat, drink or smoke in areas where product is used. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Remove

contaminated clothing and shoes. Wash clothing and equipment after handling.

7.2 - Conditions for safe storage, including any incompatibilities

Technical measures:	Ensure adequate ventilation, especially in confined areas. Store locked up.
Storage conditions:	Keep only in original container. Store in a dry place. Store in a closed container. Store in a well-ventilated place. Protect from sunlight.
Storage temperature:	0 – 30 °C
Packaging materials:	Keep only in the original container in a cool, well-ventilated place away from combustible materials.

7.3 - Specific end use(s)

No additional information available.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Quartz **EU - Occupational Exposure Limits**	
Local name	Silica crystaline (Quartz)
IOELV TWA (mg/m³)	0.05 mg/m³ (respirable dust)
Notes	(Year of adoption 2003)
Regulatory reference	SCOEL Recommendations

8.2 Exposure controls

Hand protection:
Chemical resistant gloves (according to European standard NF EN 374 or equivalent)
Eye protection:
EN 166. Eye protection, including both chemical splash goggles and face shield, must be worn when possibility exists for eye contact due to spraying liquid or airborne particles
Skin and body protection:
Long sleeved protective clothing
Respiratory protection:
Extra personal protection: P2 filter respirator for harmful particles. Extra personal protection: P3 filter respirator for toxic particles

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	No data available
Odour:	No data available
Odour threshold:	No data available
pH:	No data available
Relative evaporation rate (butylacetate=1):	No data available
Melting point:	No data available
Freezing point:	No data available

Boiling point:	No data available
Flash point:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Flammability (solid, gas):	No data available
Vapour pressure:	No data available
Relative vapour density at 20 °C:	No data available
Relative density:	No data available
Solubility:	No data available
Partition coefficient n-octanol/water (Log Pow):	No data available
Viscosity, kinematic:	No data available
Viscosity, dynamic:	No data available
Explosive properties:	No data available
Oxidising properties:	No data available
Explosive limits:	No data available

9.2 Other information
No additional information available

SECTION 10. STABILITY AND REACTIVITY

10.1 – Reactivity
Stable under normal conditions of use.
10.2 – Chemical Stability
The product is stable at normal handling and storage conditions.
10.3 – Possibility of hazardous reactions
Stable under normal conditions of use.
10.4 - Conditions to avoid
Heat. High temperature. Open flame. Direct sunlight.
10.5 - Incompatible materials
No additional information available
10.6 – Hazardous decomposition products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
Acute toxicity (oral) : Harmful if swallowed.
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation): Not classified

Piperonyl butoxide (51-03-6) (Data on active substance)	
LD50 oral rat	4570 mg/kg bodyweight
LD50 dermal rabbit	> 2000 mg/kg bodyweight
LC50 inhalation rat (mg/l)	> 5.9
Tetramethrin (7696-12-0) (Data on active substance)	
LD50 oral rat	> 2000 mg/kg bodyweight
LD50 dermal rat	> 2000 mg/kg bodyweight
LC50 inhalation rat (mg/l)	> 5.63 mg/l/4h

deltamethrin (ISO); (S)-α-cyano-3-phenoxybenzyl(1R, 3R)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylate (52918-63-5) (Data on active substance)	
LD50 oral rat	50 mg/kg bodyweight
LD50 dermal rat	> 2000 mg/kg bodyweight
LC50 inhalation rat (mg/l)	0.6 mg/l/4h

Skin corrosion/irritation : Not classified
Serious eye damage/irritation: Causes serious eye irritation
Respiratory or skin sensitisation: Not classified
Germ cell mutagenicity: Not classified
Carcinogenicity : Suspected of causing cancer
Reproductive toxicity: Not classified
STOT-single exposure: Not classified
STOT-repeated exposure: Not classified
Aspiration hazard: Not classified

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity

Hazardous to the aquatic environment, short-term(acute) : Very toxic to aquatic life.
Hazardous to the aquatic environment, long-term(chronic): Very toxic to aquatic life with long lasting effects.

Piperonyl butoxide (51-03-6) (Data on active substance)	
LC50 fish 1	3.94 mg/l
EC50 Daphnia 1	0.51 mg/l
EC50 72h algae (1)	3.89 mg/l
Tetramethrin (7696-12-0) (Data on active substance)	
LC50 fish 1	3.7 µg/l (96 h, Oncorhynchus mykiss)
EC50 Daphnia 1	0.16 mg/l (48 h, Daphnia magna)
EC50 72h algae (1)	0.25 mg/l (72 h, Pseudokirchneriella subcapitata)
deltamethrin (ISO); (S)-α-cyano-3-phenoxybenzyl (1R, 3R)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylate (52918-63-5) (Data on active substance)	
LC50 fish 1	0.26 µg/l (96 h, Oncorhynchus mykiss)
EC50 Daphnia 1	0.56 µg/l (48 h, Daphnia magna)
EC50 72h algae (1)	0.02277 mg/l (72 h, Chlorella vulgaris)
NOEC (chronic)	0.0000041 mg/l (Daphnia magna)

12.2. Persistence and degradability

deltamethrin (ISO); (S)-α-cyano-3-phenoxybenzyl (1R, 3R)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylate (52918-63-5)	
Persistence and degradability	Not readily biodegradable.

12.3 Bioaccumulative potential

Piperonyl butoxide (51-03-6)	
Partition coefficient n-octanol/water (Log Pow)	4.8
Tetramethrin (7696-12-0)	
Partition coefficient n-octanol/water (Log Pow)	> 4.09 (20 ºC)
deltamethrin (ISO); (S)-α-cyano-3-phenoxybenzyl (1R, 3R)-3-(2,2-dibromovinyl)-2,2-dimethylcyclopropanecarboxylate (52918-63-5)	
Partition coefficient n-octanol/water (Log Pow)	4.6 (20 ºC)

12.4 Mobility in soil

Tetramethrin (7696-12-0)	
Surface Tension	55.3 mN/m (20 °C)

12.5 Results of PBT and vPvB assessment
No additional information available

12.6 Other adverse effects
No additional information available

SECTION 13. DISPOSAL CONSIDERATION

13.1 Waste treatment methods

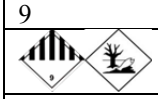
Regional legislation (waste): Disposal must be done according to official regulations.

Product/Packaging disposal recommendations: Avoid release to the environment. Disposal must be done according to official regulations. Do not dispose of the packaging without first carrying out the necessary cleaning. Refer to manufacturer/supplier for information on recovery/recycling.

SECTION 14. TRANSPORT INFORMATION

In accordance with ADR/ RID/ IMDG/ IATA/ AND

ADR	IMDG	IATA	ADN	RID
14.1 UN number				
UN 3082	UN 3082	UN 3082	UN 3082	UN 3082

14.2. UN proper shipping name				
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Transport document description				
UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III, (-)	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III Marine pollutant	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III
14.3. Transport hazard class(es)				
9	9	9	9	9
				
14.4. Packing group				
III	**III**	**III**	**III**	**III**
14.5. Environmental hazards				
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes
No supplementary information available				

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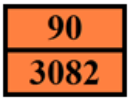
Overland transport
Classification code (ADR) : M6
Special provisions (ADR) : 274, 335, 375, 601
Limited quantities (ADR) : 5l
Excepted quantities (ADR) : E1
Packing instructions (ADR) : P001, IBC03, LP01, R001
Special packing provisions (ADR): PP1
Mixed packing provisions (ADR): MP19
Portable tank and bulk container instructions (ADR): T4
Portable tank and bulk container special provisions (ADR): TP1, TP29
Tank code (ADR): LGBV
Vehicle for tank carriage: AT
Transport category (ADR): 3
Special provisions for carriage - Packages (ADR): V12
Special provisions for carriage - Loading, unloading and handling (ADR): CV13
Hazard identification number (Kemler No.): 90

Orange plates 

Tunnel restriction code (ADR): -

Transport by sea
Special provisions (IMDG): 274, 335, 969
Limited quantities (IMDG): 5 L
Excepted quantities (IMDG): E1
Packing instructions (IMDG): LP01, P001
Special packing provisions (IMDG): PP1
IBC packing instructions (IMDG): IBC03
Tank instructions (IMDG): T4
Tank special provisions (IMDG): TP2, TP29
EmS-No. (Fire): F-A
EmS-No. (Spillage): S-F
Stowage category (IMDG): A

Air transport
PCA Excepted quantities (IATA): E1
PCA Limited quantities (IATA) : Y964
PCA limited quantity max net quantity (IATA): 30kgG
PCA packing instructions (IATA): 964
PCA max net quantity (IATA): 450L
CAO packing instructions (IATA): 964
CAO max net quantity (IATA): 450L
Special provisions (IATA): A97, A158, A197
ERG code (IATA): 9L

Inland waterway transport
Classification code (ADN): M6
Special provisions (ADN): 274, 335, 375, 601
Limited quantities (ADN): 5 L

Excepted quantities (ADN): E1
Equipment required (ADN): PP
Number of blue cones/lights (ADN): 0

Rail transport
Classification code (RID): M6
Special provisions (RID): 274, 335, 375, 601
Limited quantities (RID): 5L
Excepted quantities (RID): E1
Packing instructions (RID): P001, IBC03, LP01, R001
Special packing provisions (RID): PP1
Mixed packing provisions (RID): MP19
Portable tank and bulk container instructions (RID): T4
Portable tank and bulk container special provisions (RID): TP1, TP29
Tank codes for RID tanks (RID) : LGBV
Transport category (RID): 3
Special provisions for carriage – Packages (RID): W12
Special provisions for carriage - Loading, unloading and handling (RID): CW13, CW31
Colis express (express parcels) (RID): CE8
Hazard identification number (RID): 90

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code
Not applicable

SECTION 15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1 EU Regulations
Contains no REACH substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances
Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.
Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Other information, restriction and prohibition regulations: according to Regulation (EU) 2015/830.

15.1.2 National regulations
Refer to protective measures listed in Sections 7 and 8

15.2. Chemical safety assessment
Refer to protective measures listed in Sections 7 and 8

SECTION 16. OTHER INFORMATION

Classification according to Regulation (EC) No. 1272/2008 [CLP]:	
Acute Tox. 4 (Oral)	H302
Eye Irrit. 2	H319
Carc. 2	H351
Aquatic Acute 1	H400
Aquatic Chronic 1	H410

Full text of H- and EUH-statements:	
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT SE 2	Specific target organ toxicity — Single exposure, Category 2
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H371	May cause damage to organs.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
	benzisothiazolin-3-one. May produce an allergic reaction.

Other data
Date of issue: 09/09/2020
Version: 0.0/EN Replaces: - Indication of changes: -