Rentokil

Safety Data Sheet according to Regulation (EU) No. 2015/830 Date of issue: 12/06/2015 Version: 2.0

1.1. Product identifier	
Product name	: DEADLINE INSECTABAN RESIDUAL INSECT EMULSION
Brand	: DEADLINE
Type of product	: Biocide
Registration No	HSE 9656, PCS 97463
Product form	: Mixture
1.2. Relevant identified uses of th	e substance or mixture and uses advised against
1.2.1. Relevant identified uses	
Use of the substance/mixture	: Insecticide for professional use against flies and crawling insects (including cockroaches, fleas ants, earwigs, silverfish).
Industrial/Professional use spec	: For professional use only
Use of the substance/mixture	: Insecticide
1.2.2. Uses advised against	
No additional information available	

Supplier

Rentokil Initial Supplies Liverpool L33 7SR UK

Product advice line: +44 (0)151 548 5050 Email: sds@rentokil.com

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number
IRELAND (REPUBLIC OF)	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road Dublin 9	+353 1 809 2166 (public, 8am - 10pm, 7/7)
UNITED KINGDOM	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road Birmingham B18 7QH	0844 892 0111 (UK only, Monday to Friday, 08.00 to 18.00 hours)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Aquatic Acute 1 H400

Aquatic Chronic 1 H410

Full text of H-statements: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

N; R50/53 R66

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

Safety Data Sheet

according to Regulation (EU) No. 2015/830

2.2. Label elements				
Labelling according to Regulation (EC	Labelling according to Regulation (EC) No. 1272/2008 [CLP]			
Hazard pictograms (CLP)	: GHS09			
Signal word (CLP)	: Warning			
Hazard statements (CLP)	: H410 - Very toxic to aquatic life with long lasting effects			
Precautionary statements (CLP)	 P101 - If medical advice is needed, have product container or label at hand P102 - Keep out of reach of children P273 - Avoid release to the environment P391 - Collect spillage P501 - Dispose of contents/container to an approved waste disposal plant 			
EUH-statements	: EUH066 - Repeated exposure may cause skin dryness or cracking			
0.0 Other hererde				

2.3. Other hazards No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC
d-Phenothrin	(CAS No) 188023-86-1 (EC no) 247-404-5	10	N; R50/53
Hydrocarbons, C9, aromatics	(EC no) 918-668-5	2.5 - 5	R10 Xi; R37 Xn; R65 R66 R67 N; R51/53
1,3,5-trimethylbenzene	(CAS No) 108-67-8 (EC no) 203-604-4 (EC index no) 601-025-00-5	0.1 - 1	R10 Xi; R37 N; R51/53
Cumene substance with a Community workplace exposure limit	(CAS No) 98-82-8 (EC no) 202-704-5 (EC index no) 601-024-00-X	0.01 - 0.1	R10 Xn; R65 Xi; R37 N; R51/53
Ethylbenzene substance with a Community workplace exposure limit	(CAS No) 100-41-4 (EC no) 202-849-4 (EC index no) 601-023-00-4	0.01 - 0.1	F; R11 Xn; R20 Xn; R65 Xn; R48/20
Toluene substance with a Community workplace exposure limit	(CAS No) 108-88-3 (EC no) 203-625-9 (EC index no) 601-021-00-3	< 0.01	F; R11 Repr.Cat.3; R63 Xn; R65 Xn; R48/20 Xi; R38 R67
Name	Product identifier	Specific concentration limits	
1,3,5-trimethylbenzene	(CAS No) 108-67-8 (EC no) 203-604-4 (EC index no) 601-025-00-5	(C >= 25) Xi;R37	
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
d-Phenothrin	(CAS No) 188023-86-1 (EC no) 247-404-5	10	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Hydrocarbons, C9, aromatics	(EC no) 918-668-5	2.5 - 5	Flam. Liq. 3, H226 STOT SE 3, H336 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 2, H411

Safety Data Sheet according to Regulation (EU) No. 2015/830

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
1,3,5-trimethylbenzene	(CAS No) 108-67-8 (EC no) 203-604-4 (EC index no) 601-025-00-5	0.1 - 1	Flam. Liq. 3, H226 STOT SE 3, H335 Aquatic Chronic 2, H411
Cumene substance with a Community workplace exposure limit	(CAS No) 98-82-8 (EC no) 202-704-5 (EC index no) 601-024-00-X	0.01 - 0.1	Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H335 Aquatic Chronic 2, H411
Ethylbenzene substance with a Community workplace exposure limit	(CAS No) 100-41-4 (EC no) 202-849-4 (EC index no) 601-023-00-4	0.01 - 0.1	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 STOT RE 2, H373 Asp. Tox. 1, H304
Toluene substance with a Community workplace exposure limit	(CAS No) 108-88-3 (EC no) 203-625-9 (EC index no) 601-021-00-3	< 0.01	Flam. Liq. 2, H225 Repr. 2, H361d Asp. Tox. 1, H304 STOT RE 2, H373 Skin Irrit. 2, H315 STOT SE 3, H336
Name	Product identifier	Specific co	ncentration limits
1,3,5-trimethylbenzene	(CAS No) 108-67-8 (EC no) 203-604-4 (EC index no) 601-025-00-5	(C >= 25) ST(DT SE 3, H335

Full text of R- and H-statements: see section 16

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	: Allow breathing of fresh air. Allow the victim to rest.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.
4.2. Most important symptoms and effect	ts, both acute and delayed
Symptoms/injuries	: Not expected to present a significant hazard under anticipated conditions of normal use.
4.3. Indication of any immediate medica	attention and special treatment needed
No additional information available	
SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.
5.2. Special hazards arising from the su	ostance or mixture
Reactivity in case of fire	: Thermal decomposition generates toxic vapours.
5.3. Advice for firefighters	
Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
SECTION 6: Accidental release mea	sures
	uipment and emergency procedures
6.1.1. For non-emergency personnel	
Emergency procedures	: Evacuate unnecessary personnel.
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6.1.2. For emergency responders	
Protective equipment	: Equip cleanup crew with proper protection.
Emergency procedures	: Ventilate area.
6.2. Environmental precautions	
Prevent entry to sewers and public waters. Notify	v authorities if liquid enters sewers or public waters.
6.3. Methods and material for containme	nt and cleaning up
Methods for cleaning up	: Clean up any spills as soon as possible, using an absorbent material to collect it. Place in an appropriate container and dispose of the contaminated material at a licensed site.

Safety Data Sheet according to Regulation (EU) No. 2015/830

6.4. Reference to other sec	tions	
See Heading 8. Exposure controls	/personal protection.	
SECTION 7: Handling and	storage	
7.1. Precautions for safe ha	andling	
Precautions for safe handling	: Wash hands and other expo smoking and when leaving	osed areas with mild soap and water before eating, drinking or work.
7.2. Conditions for safe sto	rage, including any incompatibilities	
Storage conditions	: Keep only in the original con and animal feedingstuffs.	ntainer in a cool well ventilated place. Keep away from food, drink
Incompatible products	: Strong bases. Strong acids.	
Incompatible materials	: Sources of ignition. Direct s	unlight.
7.3. Specific end use(s)		
Insecticide.		
	strolo/porconal protoction	
•	ntrols/personal protection	
8.1. Control parameters		
1,3,5-trimethylbenzene (108-67	-8)	
EU I	ocal name	Mesitylene (Trimethylbenzenes)
EU I	OELV TWA (mg/m³)	100 mg/m ³
EU I	OELV TWA (ppm)	20 ppm
Ireland I	local name	Mesitylene (also 1,3,5 trimethylbenzene)
Ireland	DEL (8 hours ref) (mg/m ³)	100 mg/m ³
Ireland	DEL (8 hours ref) (ppm)	20 ppm
Ireland I	Notes (IE)	IOELV

Ireland	OEL (8 hours ref) (mg/m ³)	100 mg/m ³
Ireland	OEL (8 hours ref) (ppm)	20 ppm
Ireland	Notes (IE)	IOELV
Ethylbenzene (100-41-4)	·	
EU	Local name	Ethylbenzene
EU	IOELV TWA (mg/m ³)	442 mg/m ³
EU	IOELV TWA (ppm)	100 ppm
EU	IOELV STEL (mg/m ³)	884 mg/m³
EU	IOELV STEL (ppm)	200 ppm
EU	Notes	Skin
Ireland	Local name	Ethylbenzene
Ireland	OEL (8 hours ref) (mg/m ³)	442 mg/m ³
Ireland	OEL (8 hours ref) (ppm)	100 ppm
Ireland	OEL (15 min ref) (mg/m3)	884 mg/m ³
Ireland	OEL (15 min ref) (ppm)	200 ppm
Ireland	Notes (IE)	Sk, IOELV
United Kingdom	Local name	Ethylbenzene
United Kingdom	WEL TWA (mg/m³)	441 mg/m ³
United Kingdom	WEL TWA (ppm)	100 ppm
United Kingdom	WEL STEL (mg/m ³)	552 mg/m³
United Kingdom	WEL STEL (ppm)	125 ppm
United Kingdom	Remark (WEL)	Sk
Toluene (108-88-3)		
EU	Local name	Toluène
EU	IOELV TWA (mg/m ³)	192 mg/m ³
EU	IOELV TWA (ppm)	50 ppm
EU	IOELV STEL (mg/m ³)	384 mg/m ³
EU	IOELV STEL (ppm)	100 ppm
EU	Notes	Peau
Ireland	Local name	Toluene
Ireland	OEL (8 hours ref) (mg/m ³)	192 mg/m ³
Ireland	OEL (8 hours ref) (ppm)	50 ppm
Ireland	OEL (15 min ref) (mg/m3)	384 mg/m ³
Ireland	OEL (15 min ref) (ppm)	100 ppm

Safety Data Sheet

according to Regulation (EU) No. 2015/830

ccording to Regulation (EU) No. 2015/830				
Toluene (108-88-3)				
Ireland	Notes (IE)		Sk, IOELV	
United Kingdom	Local name		Toulene	
United Kingdom	WEL TWA (mg/m ³)		191 mg/m ³	
United Kingdom	WEL TWA (pp		50 ppm	
United Kingdom	WEL STEL (m		384 mg/m ³	
United Kingdom	WEL STEL (pp		100 ppm	
United Kingdom	Remark (WEL)		Sk	
Cumene (98-82-8)				
EU	Local name		Cumene	
EU	IOELV TWA (n	ng/m ³)	100 mg/m ³	
EU	IOELV TWA (p		20 ppm	
EU	IOELV STEL (I		250 mg/m ³	
EU	IOELV STEL (50 ppm	
EU	Notes		Skin	
Ireland	Local name		Isopropyl benzene	
Ireland	OEL (8 hours r	ef) (mg/m³)	100 mg/m ³	
Ireland	OEL (8 hours r	ef) (ppm)	20 ppm	
Ireland	OEL (15 min re	ef) (mg/m3)	250 mg/m ³	
Ireland	OEL (15 min re	ef) (ppm)	50 ppm	
Ireland	Notes (IE)		Sk, IOELV	
United Kingdom	Local name		Cumene	
United Kingdom	WEL TWA (mg	ı/m³)	125 mg/m ³	
United Kingdom	WEL TWA (pp	m)	25 ppm	
United Kingdom	WEL STEL (m	g/m³)	250 mg/m ³	
United Kingdom	WEL STEL (ppm)		50 ppm	
United Kingdom	Remark (WEL)		Sk	
Personal protective equipment : Avoid all unnecessary exposure. Hand protection : Wear protective gloves. Eye protection : Chemical goggles or safety glasses. Other information : Do not eat, drink or smoke during use.				
-				
SECTION 9: Physical a	nd chemical	properties		
9.1. Information on basi	c physical and c	hemical properties		
Physical state		: Liquid		
Colour		: Colourless.		
Odour		: characteristic.		
Odour threshold		: No data available		
рН			: 8.4	
Relative evaporation rate (butylacetate=1)		No data available		
Melting point		: No data available		
		: No data available		
Freezing point		: 180 °C		
Boiling point		: 69 °C		
Flash point				
Auto-ignition temperature		: No data available		
Decomposition temperature		No data available Non flammable		
	Flammability (solid, gas)			
Vapour pressure		: No data available		
Relative vapour density at 20 °C	0	: No data available		
Relative density		: 1		
Solubility		: completely miscible.		
		 Non-defension flatter 		

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Viscosity, kinematic

Viscosity, dynamic

Safety Data Sheet according to Regulation (EU) No. 2015/830

according to Regulation (EU) No. 2015/830				
Explosive properties	: No data available			
	: No data available			
	No data available			
•				
9.2. Other information				
No additional information available				
SECTION 10: Stability and reactivity				
10.1. Reactivity				
No additional information available				
10.2. Chemical stability				
Not established.				
10.3. Possibility of hazardous reactions				
Not established.				
10.4. Conditions to avoid				
Direct sunlight. Extremely high or low temperatures	S.			
10.5. Incompatible materials				
Strong acids. Strong bases.				
10.6. Hazardous decomposition products				
Fume. Carbon monoxide. Carbon dioxide.				
SECTION 11: Toxicological information	on			
11.1. Information on toxicological effects				
, and the second s	: Not classified			
d-Phenothrin (188023-86-1)				
LD50 oral rat	5000 mg/kg			
LD50 dermal	≥ 2000 g/kg			
LC50 inhalation rat (mg/l)	≥ 2.1 mg/l/4h			
Ethylbenzene (100-41-4)				
ATE CLP (gases)	4500.000 ppmv/4h			
ATE CLP (vapours)	11.000 mg/l/4h			
ATE CLP (dust,mist)	1.500 mg/l/4h			
Skin corrosion/irritation	Not classified			
	Based on available data, the classification criteria are not met			
	pH: 8.4			
Serious eye damage/irritation	Not classified			
	Based on available data, the classification criteria are not met			
Respiratory or skin sensitisation	pH: 8.4 : Not classified			
Respiratory of skin sensitisation	Based on available data, the classification criteria are not met			
Germ cell mutagenicity	: Not classified			
Com con malagementy	Based on available data, the classification criteria are not met			
Carcinogenicity	: Not classified			
Carolinogonioky	Based on available data, the classification criteria are not met			
Description to the late				
Reproductive toxicity	Not classified			
Specific target argen toxicity (cingle expective)	Based on available data, the classification criteria are not met : Not classified			
Specific target organ toxicity (single exposure)				
	Based on available data, the classification criteria are not met			
	: Not classified			
exposure)	Based on available data, the classification criteria are not met			
Aspiration hazard	: Not classified			
	Based on available data, the classification criteria are not met			
	: Based on available data, the classification criteria are not met.			
symptoms				

SECTI	ON 12: Ecological information	
12.1.	Toxicity	

Safety Data Sheet according to Regulation (EU) No. 2015/830

according to Regulation (EU) No. 2015/830			
d-Phenothrin (188023-86-1)			
LC50 fish 1	2.7 µg/l		
EC50 Daphnia 1	4.3 µg/l		
	12.2. Persistence and degradability		
DEADLINE INSECTABAN RESIDUAL INSECT	T EMULSION		
Persistence and degradability	Not established.		
12.3. Bioaccumulative potential			
DEADLINE INSECTABAN RESIDUAL INSECT	T EMULSION		
Bioaccumulative potential	Not established.		
12.4. Mobility in soil			
No additional information available			
12.5. Results of PBT and vPvB assessme	nt		
No additional information available			
12.6. Other adverse effects			
Additional information	: Avoid release to the environment		
SECTION 13: Disposal consideration			
SECTION 13: Disposal consideration			
13.1. Waste treatment methods			
Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.		
Ecology - waste materials	: Avoid release to the environment.		
SECTION 14: Transport information			
In accordance with ADR / RID / IMDG / IATA / AD	DN		
14.1. UN number			
UN-No. (ADR)	: 3082		
UN-No. (IATA)	: 3082		
UN-No. (IMDG)	: 3082		
14.2. UN proper shipping name			
Proper Shipping Name (ADR)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.		
Proper Shipping Name (IMDG)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.		
Transport document description (ADR)	: UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ((contains d-		
	phenothrin)), 9, III, (E)		
14.3. Transport hazard class(es)			
Class (ADR)	: 9		
Classification code (ADR)	: M6		
Class (IATA)	: 9		
Class (IMDG)	: 9		
Danger labels (ADR)	: 9		
Danger labels (IMDG)	: 9		
14.4. Packing group			
Packing group (ADR)	: 11		
Packing group (IMDG)	: 111		

Safety Data Sheet

according to Regulation (EU) No. 2015/830

14.5. Environmental hazards	
Dangerous for the environment	: Yes
Marine pollutant	: Yes
	W Contraction of the second se
Other information	: No supplementary information available.
14.6. Special precautions for user	
14.6.1. Overland transport	
Hazard identification number (Kemler No.)	: 90
Classification code (ADR)	: M6
Orange plates	² 90
	3082
Special provisions (ADR)	: 274, 335, 601
Transport category (ADR)	: 3
Tunnel restriction code (ADR)	: E
Limited quantities (ADR)	: 51
Excepted quantities (ADR)	: E1
EAC code	: •3Z
14.6.2. Transport by sea	
Special provisions (IMDG)	: 274, 335
Limited quantities (IMDG)	: 5L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: P001, LP01
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
14.6.3. Air transport No additional information available	
14.6.4. Inland waterway transport Carriage prohibited (ADN)	: No
	nex II of MARPOL 73/78 and the IBC Code
Not applicable	

SECTIO	DN 15: Regulatory information
15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture
15.1.1.	EU-Regulations
Contains	no substances with Annex XVII restrictions
Contains	no substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Safety Data Sheet

according to Regulation (EU) No. 2015/830

Data sources	REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
Other information	: None.
Full text of R-, H- and EUH-statements:	
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), 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
Aquatic Chronic 2	Hazardous to the aquatic environment — Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H225	Highly flammable liquid and vapour
H226	Flammable liquid and vapour
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H361d	Suspected of damaging the unborn child
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
EUH066	Repeated exposure may cause skin dryness or cracking
R10	Flammable
R11	Highly flammable
R20	Harmful by inhalation
R37	Irritating to respiratory system
R38	Irritating to skin
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R63	Possible risk of harm to the unborn child
R65	Harmful: may cause lung damage if swallowed
R66	Repeated exposure may cause skin dryness or cracking
R67	Vapours may cause drowsiness and dizziness
F	Highly flammable
N	Dangerous for the environment
Xi	Irritant
Xn	Harmful
···	

RI - SDS EU (REACH Annex II)

Before using any product, ensure that you read and understand its label.

The information contained in this safety data sheet is, to the best of our knowledge and belief, accurate and reliable at the time of publication. The information relates only to the specific material designated in this safety data sheet and may not be valid for such material if it is used in combination with any other material(s) or any other use than that specified herein. Neither Rentokil Initial pic nor any of its subsidiaries accepts any liability for the use of this product for any other purpose than that described in this safety data sheet. This does not affect your statutory rights. It is the user's responsibility to satisfy him/herself as to the suitability in completeness of such information for his/her own particular use.

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