

SAFETY DATA SHEETS

This SDS packet was issued with item:

078941164

The safety data sheets (SDS) in this packet apply to the individual products listed below. Please refer to invoice for specific item number(s).

078941174

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

SECTION 1.1

PRODUCT IDENTIFIER

PRODUCT NAME SELAMECTIN – Spot-On Solution - (120mg/ml-60mg/ml presentations)
 PRODUCT TYPE MIXTURE
 REACH REGISTRATION Not Available

SECTION 1.2

RELEVANT IDENTIFIED USES, & USES ADVISED AGAINST

IDENTIFIED USES **VETERINARY USE;** Topical Application Pesticide & Anthelmintic Agent
 Treatment of Flea & Mite Infestation, Heartworm prevention and Mange-(Dogs)

SECTION 1.3

DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

COMPANY NAME REALOCH PHARMA
 COMPANY ADDRESS Dublin Road, Loughrea, Co. Galway, Rep. of Ireland
 HOURS OF BUSINESS 8.30 AM -5.00 PM (GMT)

SECTION 1.4

EMERGENCY CONTACT INFORMATION

COMPANY TELEPHONE +353-(0)-91-841-788 (Reception -during office hours)
 COMPANY FAX +353-(0)-91-841-303
 COMPANY WEBSITE Not Currently Available

SECTION 2 HAZARDS IDENTIFICATION

SECTION 2.1

CLASSIFICATION OF THE SUBSTANCE/MIXTURE


CLASSIFICATION ACCORDING TO REGULATION 1272/2008/EC

<u>Hazard Type:</u>	<u>Category:</u>	<u>H-Statement:</u>	<u>Signal:</u>
Flammable Liquid	Cat 2	H225	DANGER
Reproductive Toxicity	Cat 2	H361	WARNING
Serious Eye Damage/Irritation	Cat 2A	H319	WARNING
Specific Target Organ Tox-SE	Cat 3	H336	WARNING
Acute Aquatic Toxicity	Cat 2	H401	NONE
Chronic Aquatic Toxicity	Cat 2	H411	WARNING

SECTION 2.2

LABEL ELEMENTS

LABELLING ACCORDING TO REGULATION 1272/2008/EC [CLP]

LABEL	Hazard Statements	Precautionary Statements			
	H225: Highly Flammable Liquid & Vapour	Prevention	Response	Storage	Disposal
	H361: Suspected of Damaging Fertility or the Unborn Child	P201	P303+P361+P353	P403+P235	P501
		P202	P304+P340	P405	
		P210	P305+P351+P338		
		P233	P308+P313		
		P240	P312		
	P241	P337+P313			
	H319: Causes Serious Eye Irritation	P242	P370+P378		
	H336: May Cause Drowsiness or Dizziness	P243			
		P261			
P264					
P271					
P273					
H401: Toxic to Aquatic Life	P280				
	H411: Toxic to Aquatic Life with Long Lasting Effects				
SIGNAL					
DANGER					

Please Refer to Section 16 for a full explanation of associated P-Statements

Please Refer to Section 16 for a full explanation of associated P-Statements

SECTION 2.3

OTHER HAZARDS :

- Refer to Section 4 for First Aid Measures; * Refer to Section 5 regarding Thermal Decomposition;
- Refer to Section 11 for Toxicological Data; * Refer to Section 12 for Environmental Toxicity Data.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS.

SECTION 3.1 SUBSTANCE : NOT APPLICABLE
 SECTION 3.2 MIXTURE : INGREDIENTS ACCORDING TO 1272/2008/EC

COMPONENT	TYPE	CONC%		CAS	Classification	GHS & CLP LABEL (ingredient)
		120mg	60mg			
Selamectin	API	≤14.5%	≤7.5%	165108-07-6	Repr. Cat 2 Env. Cat 1 WARNING	 H361 Suspected of Damaging Fertility or the Unborn Child H400 Very Toxic to Aquatic Life
Isopropyl Alcohol	Solvent	≤72.5%	≤86.0%	67-63-0	Flam. Liq. Cat. 2 Eye Dam/Irrit. Cat 2 STOT-SE. Cat 3 DANGER	 H225 Highly Flammable Liquid and Vapour H319 Causes Serious Eye Irritation H336 May Cause Drowsiness or Dizziness
Butyl-hydroxy-Toluene	Anti-Oxidant	<0.1%		128-37-0	None	H413 May Cause long lasting Harmful effects to Aquatic Life

Note: All other ingredients, are either below reportable levels for their specific hazard category, or, are not classified as hazardous according to GHS-CLP.

SECTION 4 FIRST AID MEASURES.

SECTION 4.1
General
Description of First Aid Measures (First Aid Section Refers to the Finished Product Mixture)
 ORAL, DERMAL, and EYE CONTACT ARE THE PRIMARY ROUTES OF EXPOSURE. CARE MUST BE TAKEN TO AVOID EXPOSURE BY THESE ROUTES. (Refer to Section 8). **NOTE: FINISHED PRODUCT IS NOT CONSIDERED ACUTELY TOXIC.**
 If unconscious, place person on their side in the recovery position; contact medical aid; give access to this SDS.

Inhalation: If coughing, dizziness, or irritation develops remove to Fresh Air; Keep Patient Warm; Seek Medical Assistance
Skin Contact: Wash affected area with mild soap & water for at least 15 minutes; contact physician or poison control centre.
Eye Contact: Rinse open eye with water for several minutes; Remove Contact Lenses if present. Seek Medical Advice.
Ingestion: Rinse Mouth with water; immediately contact medical physician/assistance showing the pack information or this SDS; Keep patient in resting position; Allow patient (if conscious) to drink water; Never administer anything to patient in an unconscious state; DO NOT INDUCE VOMITING unless directed to do so by a medical physician; if patient loses consciousness, place in recovery position.

SECTION 4.2
Most Important Symptoms and Effects (Acute & Delayed): This product contains ingredients which are known to induce symptoms ranging from (Skin & Eye) tearing of the eye, redness, irritation and dermatitis to (ingestion) tachypnoea, vomiting, &/or diarrhoea.

SECTION 4.3
Indication of Any Immediate Medical Attention & Special Treatment Needed
NOTES TO MEDICAL PHYSICIAN ONLY: Accidental Exposure/Overdose; Treat Symptomatically. Signs of Toxicity in Humans can include Abdominal Pain, Dizziness, and CNS depression. No Specific Antidote. Literature Review indicates that GABA enhancing drugs (e.g. Barbiturates) should be avoided or used with caution.
[For Information ONLY Refer to Section 16 re: Data Sources]

SECTION 5 FIREFIGHTING MEASURES.

SECTION 5.1
 Suitable Extinguishing Media
 Unsuitable Extinguishing Media

EXTINGUISHING MEDIA
 Dry Chemical Powder; Carbon Dioxide; Alcohol Resistant Foam; Water Spray;
 Full Water Jet deemed unsuitable as it may spread the flame.

SECTION 5.2
 Hazardous Thermal Decomposition Products:

SPECIAL HAZARDS (arising from substance/mixture)
 Possibility of Carbon Oxides (COx), Nitrogen Oxides (NOx), or other toxic fumes.

SECTION 5.3
ADVICE FOR FIREFIGHTERS
 Wear self-contained respiratory protection; Wear Protective Clothing; Evacuate Area

ADDITIONAL INFORMATION
 Collect contaminated Fire Fighting Media, Not to be discharged to drain.
 Exposure to fire may cause container to rupture, or if heated under confinement.
 Cool containers exposed to flame with water.

SECTION 6 ACCIDENTAL RELEASE MEASURES.

SECTION 6.1:

For Non-Emergency Personnel:

Personal Precautions, Protective Equipment & Emergency Procedures

No action should be taken without appropriate training, PPE, or if danger of personal risk exists. Do not walk through, touch or attempt to contain spilled material without PPE.

Refer to Section 8 for PPE requirements. No Smoking. Unnecessary personnel should be removed to safe area.

For Emergency Personnel:

Refer to section 8 for required PPE to contain spillage. Ensure proper containment for disposal as detailed in Section 13. Affected Area may then be cleaned with Water and suitable agent.

SECTION 6.2:

ENVIRONMENTAL PRECAUTIONS: Do NOT discharge spilled material to soil, sewers, waterways, surface or ground waters. Contact relevant authorities if contamination occurs.

SECTION 6.3:

MATERIALS/METHODS (for containment and clean-up): Approach release from up-wind. Absorb spilled material with a suitable absorptive agent (e.g. Spill Kit/ Diatomaceous Earth). Label collected material appropriately and store for disposal. Referring to Section 13 for more information.

SECTION 7 HANDLING & STORAGE.

SECTION 7.1:

PRECAUTIONS FOR SAFE HANDLING: (Refer to section 4 for First Aid Protocols)

Avoid contact with skin and eyes. Avoid breathing mist/vapours. DO NOT eat, drink or smoke during use of product. Wash Hands after use. Keep container safely secured when not in use. Treated Animals should be kept away from fires and other sources of ignition for at least 30 minutes after treatment as a precautionary measure due to the high alcohol content of the finished product.

FINISHED PRODUCT:

For Persons administering the Product: Keep all medicines away from children & pets; Children are particularly at risk from product and may prove harmful. Pets can be overly susceptible to Toxicity therefore access & exposure to this product should be restricted. In all cases of accidental exposure through ingestion, contact medical physician immediately. Wash hands immediately after use.

SECTION 7.2 :

CONDITIONS FOR SAFE STORAGE including incompatibilities: Keep all medicines stored away from children, pets and animals; Finished Product does not require any special storage conditions though it is recommended to store securely, under 30°C, dry, & well ventilated area. Avoid storing in direct sunlight. May stain porous surfaces.

SECTION 7.3:

SPECIFIC END USE(s): Use ONLY as detailed in Section 1.2.

SECTION 8 EXPOSURE CONTROLS/ PERSONAL PROTECTION.

SECTION 8.1:





EXPOSURE CONTROLS: None specified; No existing Data regarding OEL for finished product; OEL (TWA): Selamectin 0.2mg/m³. Appropriate engineering controls should be in place where individuals are exposed to dust, Vapours; mist; airborne particles; to ensure worker exposure are within/below any recommended limits.

ENVIRONMENTAL EXPOSURE CONTROLS: None specified; Emissions from ventilation or work processes should meet requirements of environmental protection legislation.

SECTION 8.2:

CONTROL PARAMETERS: Ensure good ventilation and/or exhaust measures within the workplace.

List of PPE is as follows: Finished Product itself requires no Respiratory Protection under Normal Conditions of Use and a well ventilated environment. A (minimum) Grade Mask (EN 143) in enclosed areas recommended especially if working with bulk volumes and as a back-up to engineering controls. Gloves are required (EN 374) when administering product. Wash hands thoroughly after handling product. Eye protection normally required when handling the finished product, protective eyewear (EN 166) is recommended when working with, or administering this product.

Respiratory Protection	Eye Protection	Hand Protection	General Protection
			
Quarter Mask Grade as per EN143/ equivalent	Safety Glasses Grade as per EN166/ equivalent	Protective Gloves Grade as per EN374/ equivalent	General Protective Garb and Safety Footwear appropriate to task

SECTION 9 PHYSICAL & CHEMICAL PROPERTIES.

SECTION 9.1: INFORMATION ON BASIC PHYSICAL & CHEMICAL PROPERTIES

	ACTIVE PHARMACEUTICAL	FINISHED PRODUCT
APPEARANCE: Form/Colour	White/Off-White (powder)	Clear- Pale Yellow Solution
Odour	No Unpleasant Odour	Faint/Alcoholic Odour
Odour Threshold	Not Available	Not Available
pH	Not Available	Not Available
Melting/Freezing Point	Not Available	Not Available
Boiling Point (Range)	917°C	84°C*
Flash Point	Not Available	(Isopropyl Alcohol 12°C) Finished Product 19°C*
Evaporation Rate	Not Available	Not Available
Flammability	Not Available	Not Available
Upper/Lower Explosive Limits	Not listed as Explosive Hazard	Not Available
Vapour Pressure	2×10^{-8} @25°C	Not Available
Vapour Density	Not Available	Not Available
Relative Density	Not Available	0.815-0.847*
Solubility	Water: 435 µg/L (practically insoluble)	Not Available (Miscible with Water)
Partition Coefficient n-octanol/water	Log K _{ow} : 3.15	Log P: 3.1*
Auto-Ignition Temperature	Not Available	Not Available
Decomposition Temperature	Not Available	Not Available
Viscosity	Not Available	Not Available
Explosive properties	Not Available	Not Available
Oxidising Properties	Not Available	Not Available

*Where Indicated: Information sourced from equivalent SDS & other databases

SECTION 9.2

OTHER INFORMATION: No other information available; Refer to Section 10

SECTION 10 STABILITY & REACTIVITY DATA.

SECTION 10.1

REACTIVITY

Considered Stable

SECTION 10.2

CHEMICAL STABILITY

Stable under Normal Conditions

SECTION 10.3

POSSIBILITY OF HAZARDOUS REACTIONS

None Listed or Known

SECTION 10.4

CONDITIONS TO AVOID

(Refer to Section 7.2)

Avoid Extremes of Light, Heat, & Ignition Sources

SECTION 10.5

INCOMPATIBLE MATERIALS

No Information or NONE Known

SECTION 10.6

HAZARDOUS DECOMPOSITION PRODUCTS

Normal Conditions NONE Known

(Refer to Section 5 fire conditions)

SECTION 11 TOXICOLOGICAL INFORMATION.

SECTION 11.1

INFORMATION ON TOXICOLOGICAL EFFECTS

SECTION 11.1.1

Acute Toxicity

Ingredient	LD50	Species	Result
SELAMECTIN	Oral	RAT	>1,600.0 mg/kg
		MOUSE	>1,600.0 mg/kg
ISOPROPYL-ALCOHOL	Inhalation	RAT	5,840.0 mg/kg
			>25.0 mg/L (6h vapour)
	Dermal	RABBIT	13,900.0 mg.kg

Supplementary Information: The Information provided in this Table is for individual components for which Acute Toxicity Data is available at 100% concentration of that specific ingredient. The ">" symbol indicates that the toxicity end-point was not reached at the stated dose. Single Active component (listed above) is present in the Finished Product at the concentrations listed in SECTION 3.2. For the purposes of this SDS, the Acute Toxicity Estimate (ATE) for the Finished Product is estimated using the Rat LD50 data (most potent) and is estimated to be greater than 5000mg/kg by calculation, and accordingly, classification of the Finished Product within Section 2 is based on the GHS-CLP guidance on this calculated figure. Based on this calculated figure, the Finished Product does not meet the criteria to be classified as acutely toxic. Ingredients not listed in Section 3.2 which were classified as non-hazardous according to Regulation EC 1272/2008, or Ingredients for which acute toxicity data exists but were considered of low toxicity and present in total of <1% of the Finished Product, are exempt from inclusion in the ATE calculation.

Section 11 Continued Overleaf →

Section 11 Continued

SECTION 11.1.2	<u>Skin Irritation/Corrosion.</u>	No Available Data for Finished Product: Finished Product NOT CLASSIFIED. Ingredients listed at specified concentrations may result in Skin Irritation by contact. SELAMECTIN: Very Slight Irritation (Rabbit) ISOPROPYL ALCOHOL: No Irritation.															
SECTION 11.1.3	<u>Eye Irritation/Damage.</u>	No Available Data for Finished Product: Finished Product CLASSIFIED CAT-2A. Ingredients listed at specified concentrations may result in Eye Irritation by contact. SELAMECTIN: Slight Eye Irritation (Rabbit) ISOPROPYL ALCOHOL: Potent Eye Irritant.															
SECTION 11.1.4	<u>Respiratory/Skin Sens.</u>	No Available Data for Finished Product: Finished Product NOT CLASSIFIED. SELAMECTIN: Not a Skin Sensitiser (guinea pig) ISOPROPYL-ALCOHOL: Not a skin sensitizer.															
SECTION 11.1.5	<u>Germ Cell Mutagenicity</u>	Contains no ingredient classified as Mutagenic. Finished Product NOT CLASSIFIED. SELAMECTIN: NEGATIVE: Ames Assay; <i>In-vitro</i> chromosomal aberration assay; <i>In-vivo</i> micronucleus test; mammalian mutation test.															
SECTION 11.1.6	<u>Carcinogenicity</u>	Contains no ingredient classified as Carcinogenic. Finished Product NOT CLASSIFIED. (Based on Structural Relationship to other Avermectins and Mutagenicity Data).															
SECTION 11.1.7	<u>Reproductive Toxicity</u>	<table border="1"> <thead> <tr> <th>Ingredient</th><th>Dose Regimen</th><th>Species</th><th>Endpoint</th><th>Result</th></tr> </thead> <tbody> <tr> <td rowspan="2">SELAMECTIN</td><td>40-60 mg/kg/day</td><td rowspan="2">Rat</td><td>Reproductive & Developmental</td><td> <ul style="list-style-type: none"> Increased Incidence of enlarged atria Increased fibrin in thoracic cavities Maternal Toxicity @ 60mg/kg/day NOEL:40mg/kg/day Maternal Toxicity NOEL:10mg/kg/day Fetotoxicity </td></tr> <tr> <td>60 mg/kg/day</td><td>Fertility</td><td> <ul style="list-style-type: none"> Reduced litter size & fertility NOEL: 10mg/kg/day </td></tr> </tbody> </table> <p>Review of literature available indicates that no Reproductive Effects were observed in trials conducted with IPA except in extreme doses over prolonged dosage periods.</p>			Ingredient	Dose Regimen	Species	Endpoint	Result	SELAMECTIN	40-60 mg/kg/day	Rat	Reproductive & Developmental	<ul style="list-style-type: none"> Increased Incidence of enlarged atria Increased fibrin in thoracic cavities Maternal Toxicity @ 60mg/kg/day NOEL:40mg/kg/day Maternal Toxicity NOEL:10mg/kg/day Fetotoxicity 	60 mg/kg/day	Fertility	<ul style="list-style-type: none"> Reduced litter size & fertility NOEL: 10mg/kg/day
Ingredient	Dose Regimen	Species	Endpoint	Result													
SELAMECTIN	40-60 mg/kg/day	Rat	Reproductive & Developmental	<ul style="list-style-type: none"> Increased Incidence of enlarged atria Increased fibrin in thoracic cavities Maternal Toxicity @ 60mg/kg/day NOEL:40mg/kg/day Maternal Toxicity NOEL:10mg/kg/day Fetotoxicity 													
	60 mg/kg/day		Fertility	<ul style="list-style-type: none"> Reduced litter size & fertility NOEL: 10mg/kg/day 													
SECTION 11.1.8	<u>STOT- Single Exposure</u>	No Available Data for Finished Product. Finished Product CLASSIFIED CAT-3: Information based on the concentration of IPA present at the conc. listed in Section 3. SELAMECTIN: No Data. ISOPROPYL-ALCOHOL: H336; May Cause Drowsiness or Dizziness.															
SECTION 11.1.9	<u>STOT- Repeat Exposure</u>	No Available Data for Finished Product. Finished Product Not Classified SELAMECTIN: NOEL 5mg/kg/day-3M RAT (Female); Organs: BLOOD; LIVER; GI ISOPROPYL-ALCOHOL: RAT (Male) Kidneys; RAT (M&F) Thyroid. Mode of Action postulated to be not relevant for Humans															
SECTION 11.1.10	<u>Aspiration Hazard</u>	No Available Data for Finished Product. Finished Product Not Classified. ISOPROPYL-ALCOHOL is classed as an Aspiration Hazard; can enter lungs if swallowed, and can cause pulmonary oedema and pneumonitis.															

SECTION 12 ECOLOGICAL INFORMATION.

SECTION 12.1	<u>TOXICITY</u>	<p>Finished Product contains ingredients known to be toxic to aquatic life. Investigation into the Finished Product is not available or is incomplete. Release to environment should be avoided.</p> <p><u>Isopropyl-Alcohol is NOT CONSIDERED to be persistent, bio-accumulating, Or toxic ecologically.</u></p>
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Section 12 Continued Overleaf →

Section 12 Continued

LD50/LC50/EC50	Species		Result
Crustacean 48 Hr	SELAMECTIN	Water Flea	0.026 µg/L
	ISOPROPYL-ALCOHOL		9714.0 mg/L
	SELAMECTIN	Mysid (Opossum) Shrimp	0.028 µg/L
	ISOPROPYL-ALCOHOL		Not Available
Fish 96 Hr	SELAMECTIN	Rainbow Trout	266.0 µg/L
	ISOPROPYL-ALCOHOL		Not Available
	SELAMECTIN	Sheepshead Minnow	>500.0 µg/L
	ISOPROPYL-ALCOHOL		Not Available
	SELAMECTIN	Fathead Minnow	Not Available
	ISOPROPYL-ALCOHOL		9640.0 mg/L
Algae 72 Hr	SELAMECTIN	Green Algae	<i>Selenastrum capricornutum</i> >763.0 µg/L
	ISOPROPYL-ALCOHOL		<i>Scenedesmus subspicatus</i> >100.0 mg/L

SECTION 12.2	PERSISTENCE AND DEGRADABILITY	SELAMECTIN: $t_{1/2}$: SOIL (Surface) 360 days; WATER 180 days
SECTION 12.3	BIOACCUMULATIVE POTENTIAL	SELAMECTIN: BCF (estimated) 820
SECTION 12.4	MOBILITY IN SOIL	SELAMECTIN: $t_{1/2}$: SOIL (Sediment) 1600 days
SECTION 12.5	RESULTS OF PBT & vPvB ASSESSMENT	No Data Available
SECTION 12.6	OTHER ADVERSE EFFECTS	SELAMECTIN has low water solubility and binds to soil/sediment and persist.

SECTION 13 DISPOSAL CONSIDERATIONS.

SECTION 13.1	WASTE TREATMENT METHODS: It is recommended that the product be considered hazardous waste and disposed of in accordance with Local Authority Requirements & Regulations. Waste Products should not be disposed of untreated to drain.
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SECTION 14 TRANSPORT INFORMATION.

Please Note: Section 14 applies to the Finished Product:

SECTION 14.1	UN NUMBER	UN1219
SECTION 14.2	UN PROPER SHIPPING NAME	Isopropanol Solution
SECTION 14.3	TRANSPORT HAZARD CLASS (ES)	3
SECTION 14.4	PACKING GROUP	II
SECTION 14.5	ENVIRONMENTAL HAZARDS	Marine Pollutant (Selamectin)
SECTION 14.6	SPECIAL PRECAUTIONS FOR USER	No Data
SECTION 14.7	TRANSPORT IN BULK	N/A

Please Note: This product can avail of Excepted Quantity Provisions (E2) up to 500ml, or limited quantity provisions up to 1L per package.

SECTION 15 OTHER REGULATORY INFORMATION.

SECTION 15.1	SAFETY, HEALTH & ENVIRONMENTAL REGULATIONS/ LEGISLATION (Specific for the substance/mixture)	Data Not Available
SECTION 15.2	CHEMICAL SAFETY ASSESSMENT	Data Not Available

SECTION 16 OTHER INFORMATION.

Document History

 Version 1 (Created 3rd-December-2018)

Revised Sections

N/A

References

Data is sourced from applicable supplier SDS for ingredients, equivalent SDS (e.g. USP & EDQM) and other recognised databases

Prepared by

Materials Safety Data Officer, REALOCH PHARMA.

Abbreviations Legend

Listed in alphabetical order.

• ADR	: "Accord-Dangereuses-Route" Dangerous Goods by Road; European Agree	• IBC	: Intermediate Bulk Container
• ATE	: Acute Toxicity Estimate	• IMDG	: International Maritime code for Dangerous Goods
• API	: Active Pharmaceutical Ingredient	• LC50	: Lethal Concentration 50 %
• BCF	: Bio-concentration Factor	• LD50	: Lethal Dose, 50%
• CAS	: Chemical Abstracts Service	• LQ	: Limited Quantity (stated in ADR-LQ)
• EINECS	: European Inventory of Existing Chemical Substances	• MARPOL 73/78	: International Convention for the Prevention of Pollution from Ships
• EmS	: Emergency Schedule (Code of Emergency Labelling)	• NOEC	: No Observable Effect Concentration
• GHS	: Globally Harmonised System (of Classification and Labelling of Chemicals)	• N.O.S	: "Not Otherwise Specified"
• IATA	: International Air Transport Association	• UN	: United Nations

Precautionary Statements			
Prevention	Response	Storage	Disposal
P201 – Obtain Special Instructions Before Use.	P303 + P361 + P353 – IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.	P403 + P235 – Store in a well-ventilated place. Keep cool.	P501 – Dispose of contents/container to details listed in Section 13.1
P202 – Do Not Handle Until All Safety Precautions Have Been Read And Understood	P304+P340- IF INHALED: Remove Victim To Fresh Air And Keep At Rest In A Position Comfortable For Breathing.	P405- Store Locked Up	
P210 – Keep Away From Heat/Sparks/Open Flame/Hot Surfaces-No Smoking.	P305+P351+P338- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing.		
P233 – Keep Container Tightly Closed.	P308+P313- If Exposed Or Concerned: Get Medical Advice /Attention.		
P240 – Ground/Bond Container And Receiving Equipment.	P312- Call A POISON CENTRE/Doctor/Physician If You Feel Unwell.		
P241- Use Explosion-Proof Electrical/Ventilation/Lighting Equipment.	P337+P313- If Eye Irritation Persists: Get Medical Advice /Attention.		
P242- Use Only Non-Sparking Tools.	P370+P378- In Case Of Fire: Use CO ₂ , Dry Chemical Or Foam For Extinction.		
P243 – Take Precautionary Measures Against Static Discharge.			
P261- Avoid Breathing Mist/Vapours.			
P264-Wash [Hands] thoroughly after handling.			
P271-Use Only Outdoors Or In A Well-Ventilated Area.			
P273-Avoid Release To Environment.			
P280 – Wear Protective Gloves/Protective Clothing/Eye Protection/Face Protection.			

IMPORTANT NOTICE: All Information contained herein is accurate to the best of our knowledge, however the above named supplier, nor any of its subsidiaries nor affiliates assumes any liability whatsoever for the accuracy, completeness, or absence of the information contained herein. All materials contained by this document may present their own hazards and should be used with caution. Neither REALOCH PHARMA, subsidiaries, nor affiliates guarantee that the information contained by this SDS is complete, nor do they provide any guarantee, contract or liability that other hazards exist. Final determination of the suitability of any material or information supplied rests solely with the user. No guarantee or warranty of any kind is offered either express or implied with respect to the information and recommendations contained herein. We accept no responsibility and disclaim all liability for any harmful effects that may be caused by (Incorrect) use, handling, purchase, resale or exposure to our product. Customers and users of our product must comply with all applicable health and safety laws, regulations and orders. In particular they are under an obligation to carry out a risk-assessment for the particular work place and to take adequate risk management measures in accordance with the national implementation legislation of EU directive 89/391/98 – 24.

Prepared by:



Material Safety Data Officer

Date of Approval:

03-12-2018

END OF SDS