



## SAFETY DATA SHEETS

**This SDS packet was issued with item:**

078947170

N/A

SECTION 1: IDENTIFICATION	
<b>1.1 Product identifier</b>	
<b>Product name</b>	Atopivet Spot-On
<b>Chemical name</b>	Not Applicable
<b>Synonyms</b>	Not Available
<b>Chemical formula</b>	Not Applicable
<b>Other means of identification</b>	Not Available
<b>1.2 Relevant identified uses of the substances or mixture and uses advised against</b>	
<b>Recommended uses</b>	Helps maintain a healthy skin barrier for dogs and cats
<b>Uses advised against</b>	Not for human use
<b>1.3 Details of the supplier of the substance or mixture</b>	
<b>Registered company name (US)</b>	Dechra Veterinary Products
<b>Address</b>	7015 College Blvd, Suite 525 Overland Park, KS 66211 USA
<b>Telephone</b>	866-933-2472
<b>Fax</b>	Not Available
<b>Email</b>	Not Available
<b>1.4 Emergency telephone numbers</b>	
<b>Dechra (US)</b>	866-933-2472

SECTION 2: HAZARD(S) IDENTIFICATION	
<b>2.1 Classification of the substance or mixture</b>	
NFPA 704 diamond	
 <p>Note: The hazard category numbers found in GHS classification in section 2 of this SDSs are NOT to be used to fill in the NFPA 704 diamond. Blue = Health Red = Fire Yellow = Reactivity White = Special (Oxidizer or water reactive substances)</p>	
<b>Classification</b>	Serious Eye Damage/Eye Irritation Category 2A, Specific Target Organ Toxicity - Single Exposure (Respiratory Tract Irritation) Category 3
<b>2.2 Label elements</b>	
<b>Hazard pictogram(s)</b>	
<b>Signal word</b>	Warning
<b>Hazard statement(s)</b>	
<b>H319</b>	Causes serious eye irritation.
<b>H335</b>	May cause respiratory irritation.
<b>Hazard(s) not otherwise classified</b>	
Not Applicable	
<b>Precautionary statement(s) Prevention</b>	
<b>P271</b>	Use only outdoors or in a well-ventilated area.
<b>P261</b>	Avoid breathing mist/vapours/spray.
<b>P280</b>	Wear protective gloves/ clothing, eye protection and face protection.
<b>P264</b>	Wash all exposed external body areas thoroughly after handling.
<b>Precautionary statement(s) Response</b>	
<b>P305+P351+P338</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove

	contact lenses, if present and easy to do. Continue rinsing.
<b>P312</b>	Call a POISON CENTER/doctor/physician/first aider/if you feel unwell.
<b>P337+P313</b>	If eye irritation persists: Get medical advice/attention.
<b>P304+P340</b>	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
<b>Precautionary statement(s) Storage</b>	
<b>P405</b>	Store locked up.
<b>P403+P233</b>	Store in a well-ventilated place. Keep container tightly closed.
<b>Precautionary statement(s) Disposal</b>	
<b>P501</b>	Dispose of contents/container to authorised hazardous or special waste collection point in accordance with any local regulation.

### SECTION 3: COMPOSITION/INFORMATION ON THE INGREDIENTS

#### 3.1 Substances

See section below for composition of Mixtures

#### 3.2 Mixtures

CAS No	% [weight]	Name
68956-68-3	20-40	crambe abyssinica seed oil
Not Available	balance	Ingredients determined not to be hazardous

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

### SECTION 4: FIRST AID MEASURES

#### 4.1 Description of first aid measures

As a general rule, in case of doubt or if symptoms persist, always call a doctor. NEVER induce swallowing by an unconscious person.

<b>Eye contact</b>	Rinse thoroughly with plenty of water keeping the eyelids open and consult a physician if irritation persist.
<b>Skin contact</b>	Wash off with soap and plenty of water. Remove contaminated clothing. Consult a physician if irritation persist.
<b>Inhalation</b>	Take the injured person outdoors and keep them at rest and warm and get medical attention.
<b>Ingestion</b>	First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor..

#### 4.2 Most important symptoms and effects, both acute and delayed

See Section 11

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

Treat symptomatically

### SECTION 5: FIRE-FIGHTING MEASURES

#### 5.1 Extinguishing media

The product contains a substantial proportion of water, therefore there are no restrictions on the type of extinguishing media which may be used. Choice of extinguishing media should take into account surrounding areas. Though the material is non-combustible, evaporation of water from the mixture, caused by the heat of nearby fire, may produce floating layers of combustible substances. In such an event consider: foam, dry chemical powder or carbon dioxide.

5.2 Special hazards arising from the substance or mixture	
<b>Fire Incompatibility</b>	None known.
5.3 Special protective equipment and precautions for fire-fighters	
<b>Fire Fighting</b>	Fire can cause thick, black smoke. As a result of thermal decomposition, dangerous products can form: carbon monoxide, carbon dioxide. Exposure to combustion or decomposition products can be harmful to your health
<b>Fire/Explosion Hazard</b>	Use water to cool tanks, cisterns, or containers close to the heat source or fire. Take wind direction into account. According to the size of the fire, it may be necessary to use protective suits against the heat, individual breathing equipment, gloves, protective goggles or facemasks, and boots.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures	
See Section 8	
6.2 Environmental precautions	
See Section 12	
6.3 Methods and material for containment and cleaning up	
<b>Minor spills</b>	Clean up all spills immediately. Avoid breathing vapours and contact with skin and eyes. Shut off all possible sources of ignition and increase ventilation. Wipe up. Place in a suitable, labelled container for waste disposal.
<b>Major spills</b>	Clear area of personnel and move upwind. Alert Fire Brigade about the hazard. May be violently or explosively reactive. Wear breathing apparatus plus protective gloves. Prevent, by any means available, spillage from entering drains or water course. No smoking, naked lights or ignition sources. Stop leak if safe to do so. Absorb or cover spill with sand, earth, inert materials or vermiculite. Collect recoverable product into labelled containers for disposal.
Personal Protective Equipment advice is contained in Section 8 of the SDS.	

## SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling	
<b>Safe handling</b>	Limit all unnecessary personal contact. Wear protective clothing when risk of exposure occurs. Use in a well-ventilated area. <b>When handling DO NOT eat, drink or smoke. DO NOT allow clothing wet with material to stay in contact with skin. DO NOT enter confined spaces until atmosphere has been checked. DO NOT allow material to contact humans, exposed food or food utensils.</b> Always wash hands with soap and water after handling. Avoid physical damage to containers. Use good occupational work practice. Observe manufacturer's storage and handling recommendations contained within this SDS.
<b>Other information</b>	Store in original containers. Keep containers securely sealed. Store in a cool, dry, well-ventilated area. Store away from incompatible materials and foodstuff containers. Protect containers against physical damage and check regularly for leaks. Observe manufacturer's storage and handling recommendations contained within this SDS.
7.2 Conditions for safe storage, including any incompatibilities	
<b>Suitable container</b>	Polyethylene or polypropylene container. Packing as recommended by manufacturer. Check all containers are clearly labelled and free from leaks.

<b>Storage incompatibility</b>	Avoid reaction with oxidising agents.
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## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters

#### Occupational exposure limits (OEL)

##### Ingredient data


Source	Ingredient	Material name	TWA	STEL	Peak	Notes
US OSHA Permissible Exposure Limits (PELs) Table Z-1	crambe abyssinica seed oil	Vegetable oil mist-Respirable fraction	5 mg/m <sup>3</sup>	Not Available	Not Available	Not Available
US OSHA Permissible Exposure Limits (PELs) Table Z-1	crambe abyssinica seed oil	Vegetable oil mist-Total dust	15 mg/m <sup>3</sup>	Not Available	Not Available	Not Available
US NIOSH Recommended Exposure Limits (RELs)	crambe abyssinica seed oil	Vegetable oil mist -respirable	5 mg/m <sup>3</sup>	Not Available	Not Available	Not Available
US NIOSH Recommended Exposure Limits (RELs)	crambe abyssinica seed oil	Vegetable oil mist -total	10 mg/m <sup>3</sup>	Not Available	Not Available	Not Available

#### Emergency limits

Ingredient	TEEL-1	TEEL-2	TEEL-3
Atopivet Spot-On	Not Available	Not Available	Not Available
Ingredient	Original IDLH	Revised IDLH	
crambe abyssinica seed oil	Not Available	Not Available	

## MATERIAL DATA

### 8.2 Exposure controls

<b>Appropriate engineering controls</b>	Use personal protective equipment that is clean and has been properly maintained. Store personal protective equipment in a clean place, away from the work area. Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.
<b>Personal protection</b>	
<b>Eye and face protection</b>	No special equipment for minor exposure i.e. when handling small quantities. OTHERWISE: Safety glasses with side shields or chemical goggles.
<b>Skin protection</b>	See Hand protection below
<b>Hands/feet protection</b>	No special equipment needed when handling small quantities. Otherwise, wear chemical protective gloves, e.g. PVC. Wear safety footwear or safety gumboots, e.g. Rubber
<b>Body protection</b>	See Other protection below
<b>Other protection</b>	No special equipment needed when handling small quantities. Otherwise, use overalls, skin cleansing cream. eyewash unit.
<b>Respiratory protection</b>	Type A-P Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88 or national equivalent)

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

<b>Appearance:</b> White pipette, well closed, free of product on the outside, containing a whitish cream inside. <b>Physical state:</b> Liquid <b>Odor:</b> Lavender <b>Odor threshold:</b> NA <b>pH (as supplied):</b> 5.5 – 6.5 <b>Melting point / freezing point (degrees C):</b> NA <b>Initial boiling point and boiling range:</b> NA <b>Flash point:</b> NA <b>Evaporation rate:</b> NA <b>Flammability:</b> NA <b>Upper / lower flammability or explosive limits:</b> NA <b>Vapor pressure:</b> NA <b>Relative density (at degrees C):</b> 0.9 – 1 <b>Solubility in water and solvents (mg/l):</b> Miscible	<b>Vapor density:</b> NA <b>Auto ignition temperature (degrees C):</b> NA <b>Decomposition temperature (degrees C):</b> NA <b>Viscosity (degrees C):</b> NA <b>Explosive properties:</b> NA <b>Oxidizing properties:</b> NA <b>Partition coefficient:</b> NA <b>Molecular weight:</b> NA <b>Taste:</b> NA <b>Surface tension:</b> NA <b>Volatile component:</b> NA <b>Gas group:</b> NA <b>pH as a solution:</b> NA <b>VOC g/L:</b> NA <b>Specific gravity @ 20 degrees C (water = 1):</b> NA
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## 10: REACTIVITY AND STABILITY

<b>10.1 Reactivity</b>	See section 7
<b>10.2 Chemical stability</b>	Unstable in the presence of incompatible materials. Product is considered stable. Hazardous polymerisation will not occur
<b>10.3 Possibility of hazardous reactions</b>	See section 7
<b>10.4 Conditions to avoid</b>	See section 7
<b>10.5 Incompatible materials</b>	See section 7
<b>10.6 Hazardous decomposition products</b>	See section 5

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

<b>Inhaled</b>	Evidence shows, or practical experience predicts, that the material produces irritation of the respiratory system, in a substantial number of individuals, following inhalation.
<b>Ingestion</b>	In an occupational setting ingestion of insignificant quantities is not thought to be cause for concern. The material has <b>NOT</b> been classified by EC Directives or other classification systems as "harmful by ingestion". This is because of the lack of corroborating animal or human evidence.
<b>Skin Contact</b>	The material may accentuate any pre-existing dermatitis condition. Open cuts, abraded or irritated skin should not be exposed to this material. Entry into the blood-stream through, for example, cuts, abrasions, puncture wounds or lesions, may produce systemic injury with harmful effects.
<b>Eye</b>	Evidence exists, or practical experience predicts, that the material may cause eye irritation. Repeated or prolonged eye contact may cause eye inflammation; temporary impairment of vision and/or other transient eye damage/ulceration may occur.
<b>Chronic</b>	Long-term exposure to respiratory irritants may result in disease of the airways involving difficult breathing and related systemic problems. Limited evidence suggests that repeated or long-term occupational exposure may produce cumulative health effects involving organs or biochemical systems.

Atopivet Spot-On		<b>TOXICITY</b>	<b>IRRITATION</b>
		Not Available	Not Available
crambe abyssinica seed oil		<b>TOXICITY</b>	<b>IRRITATION</b>
		Not Available	Not Available
<b>Legend</b>	1. Value obtained from Europe ECHA Registered Substances - Acute toxicity 2.* Value obtained from manufacturer's SDS. Unless otherwise specified data extracted from RTECS - Register of Toxic Effect of chemical Substances		
<b>Acute Toxicity</b>		<b>x</b>	<b>Carcinogenicity</b>
<b>Skin Irritation/Corrosion</b>		<b>x</b>	<b>Reproductivity</b>
<b>Serious Eye Damage/Irritation</b>		<b>✓</b>	<b>STOT - Single Exposure</b>
<b>Respiratory or Skin sensitisation</b>		<b>x</b>	<b>STOT - Repeated Exposure</b>
<b>Mutagenicity</b>		<b>x</b>	<b>Aspiration Hazard</b>
<b>Legend</b>	x - Data either not available or does not fill the criteria for classification ✓ - Data available to make classification		

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

Atopivet Spot-On		Endpoint	Test Duration (hr)	Species	Value	Source
		Not Available	Not Available	Not Available	Not Available	Not Available
crambe abyssinica seed oil		Endpoint	Test Duration (hr)	Species	Value	Source
		Not Available	Not Available	Not Available	Not Available	Not Available
Legend	Extracted from 1. IUCLID Toxicity Data 2. Europe ECHA Registered Substances - Ecotoxicological Information - Aquatic Toxicity 4. US EPA, Ecotox database - Aquatic Toxicity Data 5. ECETOC Aquatic Hazard Assessment Data 6. NITE (Japan) - Bioconcentration Data 7. METI (Japan) - Bioconcentration Data 8. Vendor Data					
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. <b>DO NOT discharge into sewer or waterways.</b>						
12.2 Persistence and degradability						
Ingredient		Persistence: Water/Soil		Persistence: Air		
		No Data available for all ingredients		No Data available for all ingredients		
12.3 Bioaccumulative potential						
Ingredient		Bioaccumulation				
		No Data available for all ingredients				
12.4 Mobility in soil						
Ingredient		Mobility				
		No Data available for all ingredients				

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

<b>Product/Packaging disposal</b>	<b>DO NOT allow wash water from cleaning or process equipment to enter drains.</b> Recycle wherever possible or consult manufacturer for recycling options. Consult State Land Waste Authority for disposal. Bury or incinerate residue at an approved site. Recycle containers if possible, or dispose of in an authorised landfill.
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## SECTION 14: TRANSPORT INFORMATION

### Labels required

**Marine pollutant** | No

### Land transport (DOT)

Not regulated for transport of dangerous goods

### Air transport (ICAO-IATA / DGR)

Not regulated for transport of dangerous goods

### Sea transport IMDG-Code / GGVSee)

Not regulated for transport of dangerous goods

### Transport in bulk according to Annex II of MARPOL and the IBC code

Not Applicable

### Transport in bulk in accordance with MARPOL Annex V and the IMSBC Code

crambe abyssinica seed oil | Not available

### Transport in bulk in accordance with the ICG Code

crambe abyssinica seed oil | Not available

## SECTION 15: REGULATORY INFORMATION

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

#### crambe abyssinica seed oil is found on the following regulatory lists

US NIOSH Recommended Exposure Limits (RELs), US OSHA Permissible Exposure Limits (PELs)  
Table Z-1, US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory, US TSCA  
Chemical Substance Inventory - Interim List of Active Substances

### 15.2 Federal regulations

#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

Section 311/312 hazard categories

Flammable (Gases, Aerosols, Liquids, or Solids)	No
Gas under pressure	No
Explosive	No
Self-heating	No
Pyrophoric (Liquid or Solid)	No
Pyrophoric Gas	No
Corrosive to metal	No
Oxidizer (Liquid, Solid or Gas)	No
Organic Peroxide	No
Self-reactive	No
In contact with water emits flammable gas	No
Combustible Dust	No
Carcinogenicity	No
Acute toxicity (any route of exposure)	No
Reproductive toxicity	No
Skin Corrosion or Irritation	No
Respiratory or Skin Sensitization	No
Serious eye damage or eye irritation	Yes
Specific target organ toxicity (single or repeated exposure)	No
Aspiration Hazard	No
Germ cell mutagenicity	No
Simple Asphyxiant	No



Hazards Not Otherwise Classified		No
<b>US. EPA CERCLA Hazardous Substances and Reportable Quantities (40 CFR 302.4)</b>		
None Reported		
<b>State Regulations</b>		
US. California Proposition 65		
None Reported		
<b>National Inventory Status</b>		
<b>National Inventory</b>	<b>Status</b>	
Australia - AIIC / Australia Non-Industrial Use	Yes	
Canada - DSL	Yes	
Canada - NDSL	No (crambe abyssinica seed oil)	
China - IECSC	Yes	
Europe - EINEC / ELINCS / NLP	Yes	
Japan - ENCS	No (crambe abyssinica seed oil)	
Korea - KECI	Yes	
New Zealand - NZIoC	Yes	
Philippines - PICCS	Yes	
USA - TSCA	Yes	
Taiwan - TCSI	Yes	
Mexico - INSQ	Yes	
Vietnam - NCI	Yes	
Russia - FBEPH	No (crambe abyssinica seed oil)	
<b>Legend:</b>	Yes = All CAS declared ingredients are on the inventory, No = One or more of the CAS listed ingredients are not on the inventory. These ingredients may be exempt or will require registration.	

## SECTION 16: OTHER INFORMATION

Classification of the preparation and its individual components has drawn on an independent review by the Chemwatch Classification committee using available literature references.

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

### Definitions and abbreviations

ACGIH: American Conference of Governmental Industrial Hygienists  
TEEL: Temporary Emergency Exposure Limit.  
IDLH: Immediately Dangerous to Life or Health Concentrations  
TLV: Threshold Limit Value  
BCF: BioConcentration Factors  
AIIC: Australian Inventory of Industrial Chemicals  
DSL: Domestic Substances List  
NDSL: Non-Domestic Substances List  
IECSC: Inventory of Existing Chemical Substance in China  
EINECS: European INventory of Existing Commercial chemical Substances  
ELINCS: European List of Notified Chemical Substances  
NLP: No-Longer Polymers  
ENCS: Existing and New Chemical Substances Inventory  
KECI: Korea Existing Chemicals Inventory  
NZIoC: New Zealand Inventory of Chemicals  
PICCS: Philippine Inventory of Chemicals and Chemical Substances

TSCA: Toxic Substances Control Act  
TCSI: Taiwan Chemical Substance Inventory  
INSQ: Inventario Nacional de Sustancias Químicas NCI: National Chemical Inventory  
FBEPH: Russian Register of Potentially Hazardous Chemical and Biological Substances

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