



# SAFETY DATA SHEET

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) Annex II

## Rifle

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Version 2

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## Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

#### Rifle

Pure substance/mixture Mixture

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

Recommended Use Herbicide  
Uses advised against No information available

### 1.3. Details of the supplier of the safety data sheet

Supplier Address ADAMA Agricultural Solutions UK Ltd  
Unit 15, Thatcham Buisness Village Colthrop Way,  
Thatcham Berkshire RG19 4LW, UK : 01635 860555  
Fax: 01635 861555

For further information, please contact

Email address ukenquiries@adama.com

### 1.4. Emergency telephone number

Emergency Telephone National Chemical Emergency Centre (UK):  
Tel: 01865 407333 (24 hours)

## Section 2: HAZARD IDENTIFICATION

### 2.1 Classification of the substance or mixture

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

Acute aquatic toxicity Category 1 - (H400)

Hazardous to the Aquatic Category 1 - (H410)

Environment - Chronic Hazard

Classification according to Directive 67/548/EEC or 1999/45/EC

Full text of R-phrases: see section 16

N;R50-53

### 2.2. Label elements

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

## Hazard pictograms



<b>Signal word</b>	Warning
<b>Hazard Statements</b>	H410 - Very toxic to aquatic life with long lasting effects
<b>Precautionary Statements</b>	P102 - Keep out of reach of children P501 - Dispose of contents/ container to an approved waste disposal plant
<b>EU Specific Hazard Statements</b>	EUH208 - Contains 1,2-Benzisothiazolin-3-one. May produce an allergic reaction EUH401 - To avoid risks to human health and the environment, comply with the instructions for use
<b>Additional phrases for PPP</b>	SP1 - Do not contaminate water with the product or its container

**2.3. Other hazards**

No information available

### Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

**3.2 Mixture**

Chemical Name	Weight-%	CAS No	EC No	Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Classification according to 67/548/EEC	M-Factor	REACH Registration Number
Desmedipham	13-17	13684-56-5	237-198-5	616-113-00-9	Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	N; R50-53	M=10 M=10	-
Phenmedipham	13-17	13684-63-4	237-199-0	616-106-00-0	Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	N; R50-53	M=1 M=1	-
Polyoxyethylene tridecyl ether phosphate	< 2	9046-01-9	-	-	Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Aquatic Chronic 2 (H411)	Xi; R38 Xi; R41 N; R51/53		-
2,4,6-Tris(1-phenylethyl)polyoxyethylenated phosphates	< 2	90093-37-1	-	-	Eye Irrit. 2 (H319)	Xi; R36		-
Distillates (petroleum), hydrotreated light paraffinic	13-17	64742-55-8	265-158-7	-	Asp. Tox. 1 (H304)	-		01-21194870 77-29

Full text of R-phrases: see section 16

Full text of H- and EUH-phrases: see section 16

### Section 4: FIRST AID MEASURES

**4.1. Description of first aid measures****General advice**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). First aider: Pay attention to self-protection!.

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<b>Inhalation</b>	Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. Call a physician.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Consult a physician if necessary.
<b>Eye contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.
<b>Ingestion</b>	Rinse mouth. Drink plenty of water. If symptoms persist, call a physician.
<b>Self-protection of the first aider</b>	Use personal protective equipment as required.

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

**Symptoms** None known

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

**Note to physicians** Treat symptomatically.

### **Section 5: FIRE-FIGHTING MEASURES**

#### **5.1. Extinguishing media**

##### **Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

##### **Unsuitable Extinguishing Media**

No information available.

#### **5.2. Special hazards arising from the substance or mixture**

No specific hazard known.

#### **5.3. Advice for firefighters**

In the event of fire, wear self-contained breathing apparatus  
In the event of fire and/or explosion do not breathe fumes

### **Section 6: ACCIDENTAL RELEASE MEASURES**

#### **6.1. Personal precautions, protective equipment and emergency procedures**

##### **Personal precautions**

Use personal protective equipment as required.

##### **For emergency responders**

Use personal protection recommended in Section 8.

#### **6.2. Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not allow into any sewer, on the ground or into any body of water. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained.

#### **6.3. Methods and material for containment and cleaning up**

**Methods for cleaning up**

Take up mechanically, placing in appropriate containers for disposal.

**6.4. Reference to other sections****Other Information**

See also section 8,13

**Section 7: HANDLING AND STORAGE****7.1. Precautions for safe handling****Advice on safe handling**

Use personal protective equipment as required. Use only with adequate ventilation.

**General Hygiene Considerations**

When using do not eat, drink or smoke. Wash contaminated clothing before reuse.

**7.2. Conditions for safe storage, including any incompatibilities****Storage Conditions**

Keep container tightly closed in a dry and well-ventilated place.

**7.3. Specific end use(s)****Risk Management Methods (RMM)**

The information required is contained in this Material Safety Data Sheet.

**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters**

**Derived No Effect Level (DNEL)** No information available

**Predicted No Effect Concentration (PNEC)** No information available.

**8.2. Exposure controls**

**Engineering Controls** Ensure adequate ventilation, especially in confined areas.

**Personal protective equipment**

**Eye/face protection** Tight sealing safety goggles.  
**Body Protection** Suitable protective clothing.

**General Hygiene Considerations** When using do not eat, drink or smoke. Wash contaminated clothing before reuse.

**Environmental exposure controls** Local authorities should be advised if significant spillages cannot be contained. Do not allow into any sewer, on the ground or into any body of water. Prevent product from entering drains.

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties**

<u>Property</u>	<u>Values</u>	<u>Method</u>	<u>Remarks</u>
Appearance			
Physical state	: Liquid		

<b>Color</b>	: white or light yellow		
<b>Odor</b>	: characteristic		
<b>Odor threshold</b>	: No data available		
<b>pH</b>	: 3.8 - 4.8	CIPAC MT 75	solution (1 %)
<b>Melting point/freezing point °C</b>	: ---		Not Applicable
<b>Boiling point/boiling range °C</b>	: No data available		
<b>Flash point °C</b>	: > 100		
<b>Evaporation rate</b>	: Not Applicable		
<b>Flammability (solid, gas)</b>	: Not applicable for liquids		
<b>Upper/lower flammability or explosive limits</b>	: No data available		
<b>Vapor pressure kPa</b>	: ----		Not Applicable
<b>Vapor density</b>	: No data available		
<b>Relative density</b>	: 1.061	OECD 109	20 °C
<b>Solubility(ies) mg/l</b>	: ----		Not Applicable
<b>Partition Coefficient (n-octanol/water) Log Pow</b>	:		See Section 12 for more information
<b>Autoignition temperature °C</b>	: ----		No data available
<b>Decomposition temperature °C</b>	: No data available		
<b>Kinematic viscosity mm<sup>2</sup>/s 40 °C</b>	: 567	CIPAC MT 192	
<b>Explosive properties</b>	: Not an explosive		
<b>Oxidizing properties</b>	: No		
 <b>9.2. Other information</b>			
<b>Bulk density g/ml</b>	: ----		Not Applicable
<b>Surface tension mN/m</b>	: 37.3	EEC A.5	
<b>Minimum ignition energy (MIE) mJ</b>	:		

## Section 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

Not available.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

None under normal processing.

### 10.4. Conditions to avoid

Heat, flames and sparks.

### 10.5. Incompatible materials

No information available

### 10.6. Hazardous decomposition products

#### **Chemical Name**

Desmedipham                                  Carbon oxides, Nitrogen oxides (NO<sub>x</sub>).

## Section 11: TOXICOLOGY INFORMATION

### 11.1. Information on toxicological effects

**Acute toxicity**

	<u>Values</u>	<u>Species</u>	<u>Method</u>	<u>Remarks</u>
Oral LD50 mg/kg	: > 2000	Rat	OECD 401	
Dermal LD50 mg/kg	: > 2000	Rat	OECD 402	
Inhalation LC50 mg/l/4h	: ---			No data available
Skin corrosion/irritation	: Non-irritating to the skin	Rabbit	OECD 404	
Serious eye damage/eye irritation	: Not irritating to eyes	Rabbit	OECD 405	
Respiratory/skin sensitization	: Not a skin sensitizer	Guinea pig	OECD 406	

**Chronic toxicity****Germ cell mutagenicity****Chemical Name**

Desmedipham	: Not classified
Phenmedipham	: Not classified

**Carcinogenicity****Chemical Name**

Desmedipham	: Not Carcinogenic
Phenmedipham	: Not Carcinogenic

**Reproductive toxicity****Chemical Name**

Desmedipham	: Not toxic for the reproductive system
Phenmedipham	: Not toxic for the reproductive system

**STOT - single exposure****Chemical Name**

Desmedipham	: No data available
Phenmedipham	: No data available

**STOT - repeated exposure****Chemical Name**

Desmedipham	: No data available
Phenmedipham	: No data available

**Aspiration hazard****Chemical Name**

Desmedipham	: No data available
Phenmedipham	: No data available

**Section 12: ECOLOGICAL INFORMATION****12.1. Toxicity****Aquatic toxicity****Acute toxicity**

	<u>Values</u>	<u>Species</u>	<u>Method</u>	<u>Remarks</u>
Fish 96-hour LC50 mg/l	: > 6.96	Rainbow trout	OECD 203	
Crustacea 48-hour EC50 mg/l	:			No data available
Algae 72-hour EC50 mg/l	: 0.568	P. subcapitata	OECD 201	Biomass
Other plants EC50 mg/l	:			Not available

**Terrestrial Toxicity****Birds Oral LD50 mg/kg****Chemical Name**

Desmedipham	: ---			No data available
Phenmedipham	: > 2100	Mallard duck		

**Bees Oral LD50 µg/bee****Chemical Name**

Desmedipham	: ---	No data available
Phenmedipham	: > 100	

**12.2. Persistence and degradability**

<b>Abiotic Degradation</b>	<b>Values</b>	<b>Method</b>	<b>Remarks</b>
<b>Water DT50 days</b>			
<b>Chemical Name</b>			
Desmedipham	: ---		No data available
Phenmedipham	: 0.11 - 0.18		

**Soil DT50 days**

<b>Chemical Name</b>	
Desmedipham	: 34
Phenmedipham	: 37

**Biodegradation**

<b>Chemical Name</b>	
Desmedipham	: No data available
Phenmedipham	: Not readily biodegradable

**12.3. Bioaccumulative potential**

<b>Partition Coefficient</b>	<b>Values</b>	<b>Method</b>	<b>Remarks</b>
<b>(n-octanol/water) Log Pow</b>			
<b>Chemical Name</b>			
Desmedipham	: 3.59		pH 3.9
Phenmedipham	: 2.7		pH 6.4, 20-25 ° C

**Bioconcentration factor (BCF)**

<b>Chemical Name</b>	
Desmedipham	: ---
Phenmedipham	: 165

**12.4. Mobility in soil**

<b>Adsorption/Desorption</b>	<b>Values</b>	<b>Method</b>	<b>Remarks</b>
<b>Chemical Name</b>			
Phenmedipham	: 888		Koc

**12.5. Results of PBT and vPvB assessment**

The components in this formulation do not meet the criteria for classification as PBT or vPvB

**12.6. Other adverse effects**

No information available.

## Section 13: DISPOSAL CONSIDERATIONS

**13.1. Waste treatment methods**

<b>Waste from residues/unused products</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated packaging</b>	Improper disposal or reuse of this container may be dangerous and illegal.
<b>Other Information</b>	Waste codes should be assigned by the user based on the application for which the product was used.

## Section 14: TRANSPORTATION INFORMATION

**IMDG/IMO**

14.1 UN/ID No	3082
14.2 Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ( Desmedipham; Phenmedipham )
14.3 Hazard Class	9
14.4 Packing Group	III
14.5 Marine pollutant	Yes
14.6 Special precautions for user	

**RID/ADR**

14.1 UN/ID No	3082
14.2 Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ( Desmedipham; Phenmedipham )
14.3 Hazard Class	9
14.4 Packing Group	III
14.5 Environmental hazard	Yes
14.6 Special precautions for user	

**ICAO/IATA**

14.1 UN/ID No	3082
14.2 Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ( Desmedipham; Phenmedipham )
14.3 Hazard Class	9
14.4 Packing Group	III
14.5 Environmental hazard	Yes
14.6 Special precautions for user	
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not Applicable



## Section 15: REGULATORY INFORMATION

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

### 15.2. Chemical safety assessment

A chemical safety assessment according to regulation (EC) No. 1907/2006 is not required. A risk assessment was performed according to directive (EC) No. 91/414 or according to regulation (EC) No. 1107/2009.

## Section 16: OTHER INFORMATION

### Full text of R-phrases referred to under sections 2 and 3

R36 - Irritating to eyes

R38 - Irritating to skin

R41 - Risk of serious damage to eyes

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



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**Full text of H-Statements referred to under sections 2 and 3**

H400 - Very toxic to aquatic life  
H318 - Causes serious eye damage  
H410 - Very toxic to aquatic life with long lasting effects  
H319 - Causes serious eye irritation  
H304 - May be fatal if swallowed and enters airways  
H411 - Toxic to aquatic life with long lasting effects  
H315 - Causes skin irritation

**Revision Note** \*\*\* - Change from previous version.

**This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**

**Disclaimer**

**The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.**

**End of Safety Data Sheet**