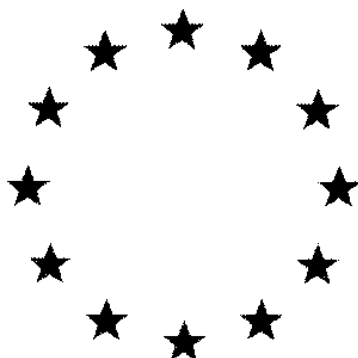


# **European Commission**



**Draft (Renewal) Assessment Report prepared  
according to the Commission Regulation (EC) No  
1107/2009**

**Daminozide (ISO); 4-(2,2-  
dimethylhydrazino)-4-oxobutanoic  
acid; *N*-dimethylaminosuccinamic  
acid**

**Volume 3 - B.4 (PPP) - ALAR**

Rapporteur Member State: Czech Republic  
Co-Rapporteur Member State: Hungary

**Version history page**

Date	Version	Reason for revision
April, 2018	Version 1	First draft
October 2018	Version 2	Notifier's and co-RMS comments

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**B.4 FURTHER INFORMATION****B.4.1 Safety intervals and other precautions to protect humans, animals and the environment**

An assessment of worker exposure indicates that there is no unacceptable risk for persons entering crops following application of the product although workers should wear suitable protective gloves when handling treated plants. No re-entry period is required. Foliage should be allowed to dry before handling.

**B.4.2 Recommended methods and precautions**

<b>Reference:</b>	Anonymous (2013): ALAR® 85 SG (MSDS)
<b>Report No.:</b>	- (Author: Chemtura AgroSolutions)
<b>Version No.:</b>	1.5 (revision date: 11.11. 2013)
<b>Guideline:</b>	Regulation (EU) No 453/2010 amending Regulation (EC) No 1907/2006
<b>GLP:</b>	No
<b>Previous evaluation:</b>	Submitted for the purpose of renewal

Advice for safe handling

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing. Avoid breathing dust. Avoid creating dust. Remove all sources of ignition. Take precautionary measures against static discharges. Use only with adequate ventilation. Keep container tightly closed.

Personal protective equipment

Respiratory protection:	In the case of dust or aerosol formation use respirator with an approved filter. Use respirator with a dust filter.
Hand protection:	PVC or other plastic material gloves. Use rubber gloves.
Eye protection:	Safety glasses with side-shields conforming to EN166.
Skin and body protection:	Impervious clothing.
Hygiene measures:	Wash thoroughly after handling. Remove and wash contaminated clothing before re-use.

Conditions for safe storage, including any incompatibilities

Keep container tightly closed. Keep in a well-ventilated place. Keep away from heat. In case of occurrence of dust, is risk of dust explosion.

Transport classification

UN No:	Not classified
Proper Shipping Name:	Not classified
Class:	Not classified
Packing Group:	Not classified
Environmental hazard:	Not classified

Fire-fighting measures

Suitable extinguishing media:	Carbon dioxide (CO <sub>2</sub> ), dry powder, foam, water mist.
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Unsuitable extinguishing media:	Water spray.
Specific hazards during firefighting:	No information available.
Special protective equipment for firefighters:	In the event of fire, wear self-contained breathing apparatus. Complete suit protecting against chemicals. Use full protective flameproof clothing.
Further information:	Prevent fire extinguishing water from contaminating surface water or the ground water system.

#### Environmental precautions

Do not allow material to contaminate ground water system. Do not allow uncontrolled discharge of product into the environment.

For further information please refer to MSDS.

### **B.4.3 Emergency measures in the case of accident**

#### Personal precautions, protective equipment and emergency procedures

Wear suitable protective equipment. Remove all sources of ignition. Do not breathe dust. Avoid contact with skin and eyes.

In the event of an accident, the following first aid measures should be observed:

If inhaled:	Move to fresh air. If symptoms persist, call a physician.
In case of skin contact:	Wash off with warm water and soap.
In case of eye contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.
If swallowed:	Do NOT induce vomiting. Rinse mouth with water. Obtain medical attention.

#### Methods and materials for containment and cleaning up

Do not create a powder cloud by using a brush or compressed air. Contain spillage, pick up with an electrically protected vacuum cleaner or by wet-brushing and transfer to a container for disposal according to local regulations.

For further information please refer to MSDS.

### **B.4.4 Packaging, compatibility of the plant protection product with proposed packaging materials**

<u>Packaging:</u>	<b>350 g container</b>
Material:	<b>HDPE</b> (High Density Polyethylene)
Shape/size:	<b>Blow moulded round jar</b>
Height:	124 ± 2 mm
Diameter:	100 ± 1 mm
Full capacity:	878 mL (contains 350 g of product)
Weight (empty):	51 g ± 2 g
Closure:	Low density polyethylene (LDPE) snap cap

External diameter:	96.0 ± 0.5 mm
Height:	25.0 ± 0.5 mm
Weight:	23.7 g ± 5%

**Packaging: 1 kg container****Material: HDPE****Shape/size: Blow moulded round jar**

Height:	202 ± 2 mm
Diameter:	142 ± 1 mm
Full capacity:	2700 mL (contains 1 kg of product)
Weight (empty):	111 g ± 2 g

**Closure: (i) Low density polyethylene (LDPE) snap cap**

External diameter:	96.0 ± 0.5 mm
Height:	25.0 ± 0.5 mm
Weight:	23.7 g ± 5%

**(ii) Polypropylene with LDPE (expanded) lay**

External diameter:	85.2 mm
Height:	25.8 mm
Weight:	30 g ± 5%

**Packaging: 2 kg container****Material: HDPE (extruded)**

Shape/size:	Length:	190 ± 2 mm
	Height:	305 ± 2 mm
	Width:	140 ± 1 mm
	Full capacity:	5000 mL (contains 2 kg of product)
	Weight (empty):	250 g ± 5 g

**Opening: 42 mm internal diameter****Closure: HDPE**

External diameter:	63.9 mm
Height:	32.4 mm
Weight:	18.2 g

Suitable for induction sealing.

Results of testing on strength, leakproofness and resistance to normal transport and handling are satisfactory.

The HDPE proposed for use is known from experience to be very resistant to influences of the chemicals within; it is not permeable to solvents, including aromatic hydrocarbons.

However, the resistance of the packaging material to its contents has been tested in the accelerated storage stability and the 2-year storage stability studies (see Volume 3 CP Alar\_B-2). The results show that no detrimental effects were noted thus demonstrating the acceptability of the packaging material.

The Packaging is in compliance with CropLife International recommendation for one way agrochemical packaging design criteria for liquids and solids [Guidelines for the safe formulation and packaging of crop protection products (Guideline 6)].

Packaging materials and solutions have been tested and comply with Annex A.5 of ADR (European Agreement concerning the International Carriage of Dangerous Goods by Road, 1<sup>st</sup> Jan. 2009), respectively of Annex V of RID (Regulations Concerning the International Transport of Dangerous Goods by Rail) and respectively of IMDG Code (International Maritime Dangerous Goods Code).

#### **B.4.5 Procedures for destruction or decontamination of the plant protection product and its packaging**

##### Product

Do in accordance with local and national regulations. Dispose of wastes in an approved waste disposal facility.

##### Contaminated packaging

Empty remaining contents. Empty containers should be taken to an approved waste handling site for recycling or disposal.

For further information please refer to MSDS.

##### **B.4.5.1 Neutralisation procedure**

No special recommendations.

For further information please refer to MSDS.

##### **B.4.5.2 Controlled incineration**

In accordance with current regulations and, if necessary, after consultation with the site operator and/or with the responsible authority, the product may be taken to a waste disposal site or incineration plant.

For further information please refer to MSDS.

**B.4.6 References Relied On**

<b>Annex point / reference number</b>	<b>Author(s)</b>	<b>Year</b>	<b>Title Source (<i>where different from company</i>) Company name, Report No., Date, GLP status (<i>where relevant</i>), published or not</b>	<b>Vertebrate study Y/N</b>	<b>Data protection claimed Y/N</b>	<b>Justification if data protection is claimed</b>	<b>Owner</b>
B.4/01	Anon.	2013	ALAR® 85 SG (MSDS) Report No.: - (Author: Chemtura AgroSolutions) Edition Number: 1.5 GLP/GEP: n.a., not published	N	N	N/A	Arysta LifeScience Great Britain Limited