

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

Page 1/4

(+)-Brefeldin A [AdipoGen]

Revision 0

Revision date 2011-08-13

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name	(+)-Brefeldin A [AdipoGen]
CAS No.	20350-15-6
Product code	AG-CN2-0018

1.3. Details of the supplier of the safety data sheet

Company	Adipogen International
Address	Adipogen AG Schützenstrasse 12 Postfach 335 CH-4410 Liestal
Web	www.adipogen.com
Telephone	+41-61-926-60-40
Fax	+41-61-926-60-49
Email	info@adipogen.com

1.4. Emergency telephone number


Emergency telephone number	+41-61-926-60-40
Company	Adipogen AG 9.00am to 6.00pm Mon-Fri Swiss Time

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1. Classification - 67/548/EEC	Xn; R20/21/22 Xi; R36 Symbols: Xn: Harmful.
Main hazards	Harmful by inhalation, in contact with skin and if swallowed. Irritating to eyes.
2.1.2. Classification - EC 1272/2008	Acute Tox. 4: H302; Acute Tox. 4: H312; Eye Irrit. 2: H319; Acute Tox. 4: H332;

2.2. Label elements

Hazard pictograms	
Signal Word	Warning
Hazard Statement	Acute Tox. 4: H302 - Harmful if swallowed. Acute Tox. 4: H312 - Harmful in contact with skin. Eye Irrit. 2: H319 - Causes serious eye irritation. Acute Tox. 4: H332 - Harmful if inhaled.

(+)-Brefeldin A [AdipoGen]

Revision 0

Revision date 2011-08-13

2.2. Label elements

Precautionary Statement: Prevention	P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P270 - Do not eat, drink or smoke when using this product. P271 - Use only outdoors or in a well-ventilated area. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. P302+P352 - IF ON SKIN: Wash with plenty of soap and water. P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P312 - Call a POISON CENTER or doctor/physician if you feel unwell. P330 - Rinse mouth. P337+P313 - If eye irritation persists: Get medical advice/attention. P363 - Wash contaminated clothing before reuse.

SECTION 3: Composition/information on ingredients**3.1. Substances**

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
(+)-Brefeldin A [AdipoGen]		20350-15-6			90 - 100%	Xn; R20/21/22 Xi; R36

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
(+)-Brefeldin A [AdipoGen]		20350-15-6			90 - 100%	Acute Tox. 4: H302; Acute Tox. 4: H312; Eye Irrit. 2: H319; Acute Tox. 4: H332;

SECTION 4: First aid measures**4.1. Description of first aid measures**

Inhalation	Harmful by inhalation. Inhalation may cause nausea and vomiting. May cause dizziness and headache. Move the exposed person to fresh air. Seek medical attention.
Eye contact	May cause irritation to eyes. Rinse immediately with plenty of water for 15 minutes holding the eyelids open. Seek medical attention if irritation or symptoms persist.
Skin contact	May cause irritation to skin. May cause dermatitis. Wash off immediately with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation or symptoms persist.
Ingestion	Harmful if swallowed. Ingestion may cause nausea and vomiting. Ingestion is irritating to the respiratory tract and may cause damage to the central nervous system. DO NOT INDUCE VOMITING. If swallowed, seek medical advice immediately and show this container or label.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

	Use as appropriate: Carbon dioxide (CO2), Dry chemical, Foam.
--	---------------------------------------------------------------

5.2. Special hazards arising from the substance or mixture

	Burning produces irritating, toxic and obnoxious fumes.
--	---------------------------------------------------------

5.3. Advice for firefighters

	Self-contained breathing apparatus. Wear protective clothing.
--	---------------------------------------------------------------

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

(+)-Brefeldin A [AdipoGen]

Revision 0

Revision date 2011-08-13

6.1. Personal precautions, protective equipment and emergency procedures

	Ensure adequate ventilation of the working area. Wear suitable protective equipment.
--	--------------------------------------------------------------------------------------

6.2. Environmental precautions

	Do not allow product to enter drains. Prevent further spillage if safe.
--	-------------------------------------------------------------------------

6.3. Methods and material for containment and cleaning up

	Avoid raising dust. Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.
--	--------------------------------------------------------------------------------------------------------------------------------------------

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

	Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.
--	----------------------------------------------------------------------------------------------------------------------------------------------------------------------

7.2. Conditions for safe storage, including any incompatibilities

	Keep in a cool, dry, well ventilated area. Keep containers tightly closed.
--	----------------------------------------------------------------------------

SECTION 8: Exposure controls/personal protection**8.2. Exposure controls****8.2.1. Appropriate engineering controls**

	Ensure adequate ventilation of the working area.
--	--------------------------------------------------

8.2.2. Individual protection measures

	Wear chemical protective clothing.
--	------------------------------------

Eye / face protection

	Approved safety goggles.
--	--------------------------

Skin protection - Handprotection

	Chemical resistant gloves (PVC).
--	----------------------------------

Respiratory protection

	Self-contained breathing apparatus. Wear protective clothing.
--	---------------------------------------------------------------

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

State	Solid
Colour	White/Off white
Odour	Odourless

9.2. Other information

Chemical formula	C16H24O4
-------------------------	----------

SECTION 10: Stability and reactivity**10.2. Chemical stability**

	Stable under normal conditions.
--	---------------------------------

10.6. Hazardous decomposition products

	Carbon oxides.
--	----------------

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute toxicity**

	Harmful by inhalation, in contact with skin and if swallowed. Caution - substance not yet fully tested.
--	---------------------------------------------------------------------------------------------------------

11.1.4. Toxicological Information

(+)-Brefeldin A [AdipoGen]

Revision 0

Revision date 2011-08-13

11.1.4. Toxicological Information

No data available

SECTION 12: Ecological information**12.1. Toxicity**

No data available

Further information

No data is available on this product.

SECTION 13: Disposal considerations**General information**

Dispose of in compliance with all local and national regulations.

SECTION 14: Transport information**ADR/RID**

The product is not classified as dangerous for carriage.

IMDG

The product is not classified as dangerous for carriage.

IATA

The product is not classified as dangerous for carriage.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Regulations**

COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

SECTION 16: Other information**Other information****Text of risk phrases in Section 3**

R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed.
R36 - Irritating to eyes.

Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This 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 other process.