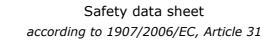


126400

Revision: 23.02.2011 Printing date: 14.06.2014

1 Identification of the substance/mixture and of the company/un	dertaking
Product identifier	
Trade name:	
Anthopleurin-A	
Article number: new: 4030365 old: H-9590	
16w. 4050505 0id. 11-3530	
CAS Number:	
60880-63-9	
Delevent identified uses of the substance or mixture and uses obvioed excinct	
 Relevant identified uses of the substance or mixture and uses advised against Application of the substance / the preparation 	
Laboratory chemicals	
Details of the supplier of the safety data sheet	
Manufacturer/Supplier:	
Bachem AG	
Hauptstrasse 144	
CH-4416 Bubendorf	
Switzerland E-mail.msde@bachem.com	
E-mail msds@bachem.com Tel +41 61 935 2323	
Fax +41 61 935 2325	
Further information obtainable from:	
Department: Marketing	
 Emergency telephone number: +41 44 251 51 51 (Swiss Toxicological Information Centre, CH-Zurich) 	
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126400

BACHEM

Revision: 23.02.2011 Printing date: 14.06.2014

PRODUCT : Anthopleurin-A

H301 Toxic if swallowed

(Contd. of page 1)

H311 Toxic in contact with skin.
H331 Toxic if inhaled.
Precautionary statements
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash thoroughly after handling.
P270 Do no eat, drink or smoke when using this product.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P501a Dispose of contents/container in accordance with local/regional/ national/international regulations.
Other hazards
Results of PBT and vPvB assessment
PBT:
Not applicable.
VPvB:
Not applicable.

03 Composition/information on ingredients

Chemical characterization: Substances

- CAS No. Description
- 60880-63-9 Anthopleurin-A
- Identification number(s)
- · EINECS Number:
- RTECS Number:
- CA8400000

04 First aid measures

- · Description of first aid measures · General information: Involve doctor immediately Immediately remove any clothing soiled by the product. Remove breathing equipment only after contaminated clothing have been completely removed. In case of irregular breathing or respiratory arrest provide artificial respiration. After inhalation: Supply fresh air or oxygen; call for doctor. In case of unconsciousness place patient stably in side position for transportation. Call a doctor immediately. After skin contact; Immediately wash with water and soap and rinse thoroughly. Seek immediate medical advice. After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor. After swallowing: Do not induce vomiting; call for medical help immediately. · Information for doctor: Most important symptoms and effects, both acute and delayed No further relevant information available.
- Indication of any immediate medical attention and special treatment needed No further relevant information available.

05 Firefighting measures

- · Extinguishing media
- · Suitable extinguishing agents:
- CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- Special hazards arising from the substance or mixture No further relevant information available.
- Advice for firefighters

(Contd. on page 3)

126400

BACHEM

Revision: 23.02.2011 Printing date: 14.06.2014

(Contd. of page 2)

PRODUCT : Anthopleurin-A

- Protective equipment:
 - Mouth respiratory protective device.

06 Accidental release measures

- Personal precautions, protective equipment and emergency procedures Avoid formation of dust.
 Use respiratory protective device against the effects of fumes/dust/ aerosol.
 Wear protective clothing.
- Environmental precautions:
- Suppress gases/fumes/haze with water spray.
- Methods and material for containment and cleaning up: Dispose contaminated material as waste according to item 13.

07 Handling and storage

Handling:

- Precautions for safe handling Thorough dedusting. Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care. Prevent formation of dust.
- Information about fire and explosion protection: Keep respiratory protective device available.
- Conditions for safe storage, including any incompatibilities
 - Storage:
 - Requirements to be met by storerooms and receptacles: No special requirements.
 - Information about storage in one common storage facility: Store away from foodstuffs.
 - Further information about storage conditions: Keep container tightly sealed. Store in dry conditions.
 - Recommended storage temperature: -20 +/- 5 °C
 - Specific end use(s)
 - No further relevant information available.

08 Exposure controls/personal protection

- Control parameters
- Ingredients with limit values that require monitoring at the workplace: Not required.
- Additional information:
- The lists valid during the making were used as basis.
- Exposure controls
- · Personal protective equipment:
- General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing Store protective clothing separately. Avoid contact with the eyes and skin.
- Respiratory protection: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- Protection of hands: The glove material has to be impermeable and resistant

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

(Contd. on page 4)

126400

BACHEM

Revision: 23.02.2011 Printing date: 14.06.2014

PRODUCT : Anthopleurin-A

(Contd. of page 3)

Protective glovesMaterial of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of glove material

- The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. • Eye protection:
- Safety glasses

Information on basic physical and che	emical properties
General Information	
Appearance:	
Form:	Powder
Colour:	Whitish
Odour:	Nearly odourless
Odour threshold:	Not determined.
Molecular Weight	5.131,8000 g/mol
Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.
Flash point:	Not applicable.
Flammability (solid, gaseous):	Not applicable.
Ignition temperature:	
Decomposition temperature:	Not determined.
Self-igniting:	Not determined.
Danger of explosion:	Not determined.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
Vapour pressure:	Not determined.
Density:	Not determined.
Solubility in / Miscibility with	
water:	Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.

10 Stability and reactivity

- Reactivity
- Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- Possibility of hazardous reactions
 No dangerous reactions known.
- Conditions to avoid
- No further relevant information available.
- Incompatible materials:
- No further relevant information available.
- Dangerous decomposition products: No dangerous decomposition products known.



126400

Revision: 23.02.2011 Printing date: 14.06.2014

PRODUCT : Anthopleurin-A (Contd. of page 4) 11 Toxicological information · Information on toxicological effects · Acute toxicity: No further relevant information available. • Primary irritant effect: · on the skin: No further relevant information available. • on the eye: No further relevant information available. · Sensitization: No sensitizing effects known. 12 Ecological information Toxicity · Acquatic toxicity: No further relevant information available. · Persistence and degradability No further relevant information available. · Behaviour in environmental systems: · Bioaccumulative potential No further relevant information available. · Mobility in soil No further relevant information available. · Additional ecological information: · General notes: Not known to be hazardous to water. · Results of PBT and vPvB assessment • PBT: Not applicable. vPvB: Not applicable. Other adverse effects No further relevant information available. 13 Disposal considerations

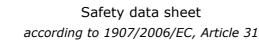
- Waste treatment methods
- Waste disposal key: 18 02 05
- Uncleaned packaging:
- Recommendation:

Disposal must be made according to official regulations.

14 Transport information

 Land transport ADR/RID (cross-border ADR/RID class: Danger code (Kemler): 	6.1 (T2) 60	
UN-Number:	2811	
Packaging group:	Ш	
Hazard label:	6.1	
		(Contd. on page)

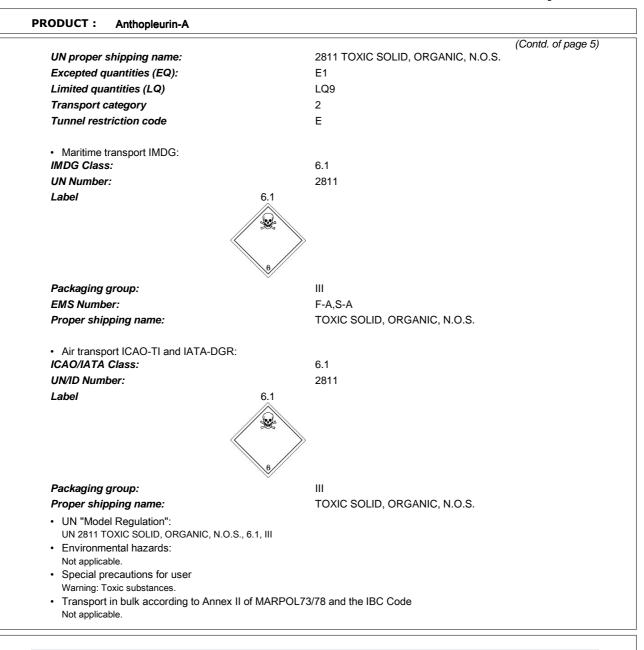




126400

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Revision: 23.02.2011 Printing date: 14.06.2014



15 Regulatory information

 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Department issuing MSDS:
- Department: Marketing
- Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

(Contd. on page 7)



126400

BACHEM

Revision: 23.02.2011 Printing date: 14.06.2014

	(Contd. of page 6)
IATA: International Air Transport Association	
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)	
ICAO: International Civil Aviation Organization	
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)	
EINECS: European Inventory of Existing Commercial Chemical Substances	
CAS: Chemical Abstracts Service (division of the American Chemical Society)	
 * Data compared to the previous version altered. 	