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**Section 1. Chemical Product and Company Identification**

**PRODUCT NAME:** Anti-EGFR Affibody® Imaging Agent  
**PRODUCT NUMBERS(S):** 10.2023.01.0001; 10.2023.01.0005  
**SUPPLIER NAME & ADDRESS:** Affibody AB, Scheeles Väg 2. 171 65 Solna, Sweden  
**TELEPHONE:** +46 (0)8 59883800  
**EMERGENCY TELEPHONE NUMBER:** +46 (0)8 59883800  
**PRINT DATE** 2012-11-20  
**MSDS NUMBER** BTP-MSDS-017

*Intended Use* Refer to the instruction booklet for proper and intended use. Otherwise, contact supplier for specific applications

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**2. Composition**

INGREDIENT NAME:	% CONTENT:	CAS NUMBER:	EC NUMBER:	MOLECULAR WEIGHT
Anti- EGFR Affibody® Imaging Agent	> 90	Not available	Not available	6.7 kDa
NH <sub>4</sub> HCO <sub>3</sub> (ammonium hydrogencarbonate)	< 0.1	1066-33-7	213-911-5	79.05

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**3. Hazards Identification**

**CAUTION!** The toxicological properties have not been fully investigated.

**APPEARANCE:** White powder.

**TARGET ORGANS** None known

**EYES:** May cause irritation to the eyes.

**SKIN:** May cause irritation to the skin

**INHALATION:** May cause irritation to the lungs, upper respiratory tract and nose.

**INGESTION:** May cause significant irritation to the digestive tract.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** None known

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#### 4. First aid Measures

**INHALATION:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**INGESTION:** Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

**SKIN CONTACT:** In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

**EYE CONTACT:** Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.

**NOTES TO PHYSICIAN:** Not available

**PROTECTION OF FIRST-AIDERS:** Not available

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#### 5. Fire Fighting Measures

**FLAMMABILITY OF THE PRODUCT:** May be combustible at high temperature.

**SUITABLE EXTINGUISHING MEDIA:** SMALL FIRE: Use DRY chemical powder.  
LARGE FIRE: Use water spray, fog or foam.

**UNSUITABLE EXTINGUISHING MEDIA:** Do not use water jet

**SPECIAL HAZARDS IN FIRE:** Not available

**REQUIRED SPECIAL PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS:** Use an approved/certified respirator or equivalent.  
**HAZARDOUS THERMAL (DE)COMPOSITION PRODUCTS:** Not available

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#### 6. Accidental Release Measures

**PERSONAL PRECAUTIONS:** Safety glasses. Lab coat.

**ENVIRONMENTAL PRECAUTIONS AND METHODS FOR CLEANING:** Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

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## 7. Handling and Storage

**HANDLING:** Avoid breathing dust.

**STORAGE:** Keep container tightly closed. Keep container in a cool, well-ventilated area. Use original container.

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## 8. Exposure Controls

**ENGINEERING CONTROLS:** Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

**OCCUPATIONAL EXPOSURE LIMITS:** Not available

**PERSONAL PROTECTION EQUIPMENT:**

**HAND PROTECTION:**

Lab coat



Protective gloves



**EYE PROTECTION:**

Safety glasses



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## 9. Physical and Chemical Properties

**PHYSICAL STATE AND APPEARANCE:** White powder

**ODOUR:** None reported

**TASTE:** Not available

**MELTING POINT:** Not available

**FLASHPOINT:** Not available

**EXPLOSIVE PROPERTIES:** Not available

**SOLUBILITY:** Soluble in water

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## 10. Stability and Reactivity

**STABILITY AND REACTIVITY:** The product is stable under normal ambient conditions of temperature and pressure.

**CONDITIONS TO AVOID:** Heat

**MATERIALS TO AVOID:** Strong Oxidizers

**HAZARDOUS POLYMERIZATION:** Will not occur

**HAZARDOUS DECOMPOSITION PRODUCTS:** Oxides of both Carbon and Nitrogen

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## 11. Toxicological Information

<b>SUBSTANCE:</b>	NH <sub>4</sub> HCO <sub>3</sub>	Anti-EGFR Affibody <sup>®</sup> Imaging Agent
<b>ACUTE DERMAL LD<sub>50</sub>:</b>	Not dermally toxic LD <sub>50</sub> <5000 mg/kg	Not Available
<b>ACUTE ORAL LD<sub>50</sub>:</b>	Acute oral LD <sub>50</sub> (rat) = 1237 mg/kg	Not Available
<b>ACUTE INHALATION LC<sub>50</sub>:</b>	Not Available	Not Available
<b>EYE EFFECTS:</b>	Mildly irritating to unwashed eyes (rabbit). Irritation cleared by 72 hours. No corneal involvement	This material may cause irritation to the eyes.
<b>SENSITIZATION:</b>	Not Available	Not Available
<b>TARGET ORGANS:</b>	Not Available	Not Available
<b>CARCINOGENICITY:</b>	Not listed by IARC, USA NTP, or USA OSHA.	Not Available

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## 12. Ecological Information

<b>SUBSTANCE:</b>	NH <sub>4</sub> HCO <sub>3</sub>	Anti-EGFR Affibody <sup>®</sup> Imaging Agent
<b>CAS #</b>	1066-33-7	Not available
<b>PERSISTENCE/DEGRADABILITY</b>	Not available	Not available
<b>BIOACCUMULATIVE POTENTIAL:</b>	Not available	Not available

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## 13 Disposal Considerations

**WASTE INFORMATION:** Waste must be disposed of in accordance with national and local environmental control regulations. Consult your local or regional authorities.

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## 14. Transport Information

Contact the supplier for all information regarding the proper transportation method for this material.

Not restricted according to the criteria in IATA-DGR

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## 15. Regulatory Information

### EU REGULATIONS

This chemical substance is not classified in the Annex I of Directive 67/548/EEC.

**HAZARD SYMBOL(S):** Not applicable

**RISK PHRASES:** This product is not classified according to the EU regulations

**SAFETY PHRASES:** Not applicable

### US REGULATIONS

**OSHA:** Not controlled under the HCS (United States).

**EPA:** Not available.

### CANADIAN REGULATIONS

**WHMIS:** Not controlled under WHMIS (Canada)

**CEPA:** No products were found

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## 16. Other Information

### REFERENCES:

**HISTORY OF DOCUMENT CHANGES:** Version 1.0

### HAZARDOUS MATERIAL INFORMATION SYSTEM (USA):

Health	0
Fire Hazard	0
Reactivity	0
Personal Protection	a

### NATIONAL FIRE PROTECTION ASSOCIATION (USA):



### Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.