Material Safety Data Sheet

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

Product Name:	IRAK1 Ab
Catalog Number:	AF4741
Brand:	Affinity
Ingredient:	phosphate buffered saline pH 7.4.
Uses:	This material is sold for research purposes only. It is not intended for food, drug, household, agricultural or cosmetic use. Its use must be supervised by a technically qualified individual experienced in handling potentially hazardous chemicals.
Manufacture or Supplier:	Affinity Biosciences.LTD
Telephone:	+86 0519 83870680
E-mail:	support@affbiotech.com
Emergency telephone:	+86 0519-83890920

SECTION 2: Hazards identification

Classification of the substance or mixture:	Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.
Label elements:	Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.
Other hazards:	None.

SECTION 3: Composition/information on ingredients

Mixtures:	No components need to be disclosed according to the applicable regulations.

SECTION 4: First aid measures

Description of first aid measures:	**If inhaled**: If breathed in, move person into fresh air. If not breathing, give artificial respiration. **In case of skin contact**: Wash off with soap and plenty of water. **In case of eye contact**: Flush eyes with water as a precaution. **If swallowed**: Never give anything by mouth to an unconscious person. Rinse mouth with water.
Most important symptoms and effects, both acute and delayed:	The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.
Indication of any immediate medical attention:	No data available.

SECTION 5: Firefighting measures

Extinguishing media:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special hazards arising from the substance or mixture:	Nature of decomposition products not known.
Advice for firefighters:	Wear self-contained breathing apparatus for firefighting if necessary.
Further information:	No data available.
Health Hazard:	See Potential Hazards below.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:	Avoid breathing vapours, mist or gas. For personal protection see section 8.
Environmental precautions:	No special environmental precautions required.
Methods and materials for containment and cleaning up:	Keep in suitable, closed containers for disposal.
Reference to other sections:	For disposal see section 13.

SECTION 7: Handling and storage

Precautions for safe handling:	For precautions see section 2.
Conditions for safe storage, including any incompatibilities:	Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature -20 degrees Celsius Storage class (TRGS 510): Non Combustible Liquids.
Specific end use(s):	Apart from the uses mentioned in section 1 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection

Appropriate engineering controls:	General industrial hygiene practice.
Eye/face protection :	Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Skin protection:	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
Body Protection:	Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Respiratory protection:	Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Control of environmental exposure:	No special environmental precautions required.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties:	a)Appearance: Form: liquid. b)Odour: No data available. c)Odour Threshold: No data available. d)pH: No data available. e)Melting point/freezing point: No data available. f)Initial boiling point and boiling range: No data available. g)Flash point: No data available. h)Evaporation rate: No data available. i)Flammability (solid, gas): No data available. j)Upper/lower flammability or explosive limits: No data available. k)Vapour pressure: No data available. l)Vapour density: No data available. m)Relative density: No data available. n)Water solubility: No data available. o)Partition coefficient: n- octanol/water. p)Auto-ignition temperature: No data available. q)Decomposition temperature: No data available. r)Viscosity: No data available. s)Explosive properties: No data available. t)Oxidizing properties: No data available.
Other safety information:	No data available.

SECTION 10: Stability and reactivity

Reactivity:	No data available.
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	No data available.
Incompatible materials:	No data available.
Hazardous decomposition products:	Other decomposition products - No data available Hazardous decomposition products formed under fire conditions. - Nature of decomposition products not known. In the event of fire: see section 5.

SECTION 11: Toxicological information

Skin corrosion/irritation:	No data available.
Serious eye damage/eye irritation:	No data available.
Respiratory or skin sensitisation:	No data available.
Germ cell mutagenicity:	No data available.
Carcinogenicity:	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Reproductive toxicity:	No data available.
Specific target organ toxicity - single exposure:	No data available.
Specific target organ toxicity - repeated exposure:	No data available.

Aspiration hazard:	No data available.
Additional Information:	No data available. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12: Ecological information

Toxicity:	No data available.
Persistence and degradability:	No data available.
Bioaccumulative potential:	No data available.
Mobility in soil:	No data available.
Results of PBT and vPvB assessment:	PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.
12.6Other adverse effects:	No data available.

SECTION 13: Disposal considerations

Waste treatment methods:	Product: Offer surplus and non-recyclable solutions to a licensed disposal company. Contaminated packaging: Dispose of as unused product.

SECTION 14: Transport information

UN number:	ADR/RID: - IMDG: - IATA: -
UN proper shipping name:	ADR/RID: Not dangerous goods. IMDG: Not dangerous goods. IATA: Not dangerous goods.
Transport hazard class(es):	ADR/RID: - IMDG: - IATA: -
Packaging group:	ADR/RID: - IMDG: - IATA: -
Environmental hazards:	ADR/RID: no IMDG Marine pollutant: no IATA: no
Special precautions for user:	No data available.

SECTION 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture:	This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.
Chemical safety assessment:	For this product a chemical safety assessment was not carried out.

SECTION 16: Other information

Further information:	Note The information on MSDS is correct to the best of our knowledge. Users should make independent decisions regarding completeness of the information based on all sources available. Affinity Biosciences shall not be held liable for any damage resulting from handling or contact with the above product.