Safety Data Sheet

SECTION 1: Identification of the product and of the company/undertaking

1.1 **Product name** : **Cry1Ac/Cry2A LFS kit**
Product catalog number : **AID 038**
Brand : Eurofins Amar Immunodiagnostics Pvt.Ltd.

1.2 Relevant identified uses of the substance or mixture and uses advised against
Identified uses : Laboratory reagents, Manufacture of substances
For in vitro diagnostics use only

1.3 Manufacturer's information :

Company Name: Eurofins Amar Immunodiagnostics Pvt Ltd
Address: 242/1, Road No 18, Jubilee Hills
Hyderabad 500033, INDIA

1.4 Emergency Phone numbers: +914023552953
+919849016777 (Mobile)
+914023552954 (Fax)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
Not a hazardous substance or mixture according to Regulation (EC) No. (EC) No. 1272/2008.

2.2 GHS Label elements
Not a hazardous substance or mixture.
Contains mouse monoclonal antibody and Bovine serum albumin.

2.3 Other Hazards
This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

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

SECTION 4: First aid measures

4.1 Description of first aid measures
General advice
Consult a physician. Show this safety data sheet to the doctor.

4.2 Inhalation: Breath fresh air and rest. If breathing is difficult, give oxygen.

4.3 Skin contact: Remove contaminated clothing. Wash the affected area with soap and water. Consult physician if necessary

4.4 Eye contact: Rinse immediately with copious amount of water for at least 15 minutes with the eyelid held wide open. Consult a doctor if symptoms persist.

4.5 Ingestion: Rinse mouth and throat with water. Consult a doctor if symptoms persist. Never give anything to drink / eat to an unconscious person.

4.6 Most important symptoms and effects both acute and delayed: None

SECTION 5: Firefighting measures

5.1 Extinguish media: The choice of extinguish media depends on surroundings, preferably water spray, carbon dioxide, powder or foam. If possible remove adjacent containers or keep cool by spraying with water. In case of heat/fire, harmful oxides may evolve.

5.2 Special hazards arising from the substance or mixture:
Oxides of phosphorous, potassium, sodium chloride and carbon dioxide gases.

5.3 Advice for firefighters
Wear self-contained breathing apparatus for firefighting if necessary

5.4 Further information
No data available

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Use personal protective equipment. Avoid breathing vapors, mist or gas.
Ensure adequate ventilation. For personal protection see section 8.

6.2 Environmental precautions:

No special precaution is necessary, although discharge in Sewerage systems, surface and ground water should be prevented.

6.3 Methods and materials for containment and cleaning up

Clean up with absorbent paper and dispose off in a sealed container according to current waste regulations

6.4 Reference to other sections

For safe handling refer to section 7, for information on PEP refer to section 8 and for disposal check section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation. Direct physical contact with all components in this product should be avoided and avoid ingestion.

7.2 Conditions for safe storage

Keep container tightly closed in a cool place. Keep from freezing. Protect from light. Temperature for storage is 2-8˚C.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection

8.1 **Control parameters:**

Contains no substances with occupational exposure limit values.

8.2 Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

8.3 Exposure controls:

Ensure good ventilation, avoid, if possible direct contact with the product. An emergency shower and /or an eye bath should be available in the work place.

8.4 Personal protective equipment:

Respiratory protection:

Where risk assessment shows air-purifying respirators are appropriate use (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineer protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Eye protection:

Use chemical safety goggles where splashing is possible

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.

Body Protection:
Laboratory coat.

Environmental exposure controls:
Do not let product enter drains.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

a)	pH	7.4
b)	Appearance	Form: liquid
c)	Odor	No data available
d)	Melting point/freezing point	No data available
e)	Flash point	No data available
f)	Odor Threshold	No data available
g)	Initial boiling point and boiling range	No data available
h)	Vapor pressure	No data available
i)	Flammability (solid, gas)	No data available
j)	Water solubility	No data available
k)	Viscosity	No data available
l)	Explosive properties	No data available
m)	Oxidizing properties	No data available
n)	Upper/lower flammability or explosive limits	No data available
o)	Vapor density	No data available
p)	Relative density	No data available
q)	Partition coefficient: n-octanol/water	No data available
r)	Auto-ignition temperature	No data available
s)	Decomposition temperature	No data available
t)	Evaporation rate	No data available

9.2 Other safety information

No data available

SECTION 10. Stability and reactivity

10.1 Stability:
Stable under recommended storage conditions.

10.2 Conditions to avoid:
No data available

10.3 Incompatible materials
Strong oxidizing agents

10.3 Hazardous decomposition products:
Insufficient combustion may form harmful oxides such as Sulphur oxide, carbon oxides, nitrogen oxides, chloro oxides, phospho oxides etc.

10.4 Hazardous reactions: No data available

SECTION 11: Toxicological information

11.1 General:
Data is lacking on the product

11.2 Inhalation:
The product is not judged to be hazardous to health.

11.3 Skin contact:
It might have a slight irritating effect on skin

11.4 Acute toxicity
No data available

11.4 Eye contact:
No data available

11.5 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.

11.6 Reproductive toxicity
No data available

11.7 Germ cell mutagenicity
No data available

11.8 Specific target organ toxicity
No data available

11.9 Aspiration hazard
No data available

11.10 Additional Information
RTECS: Not available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12: Ecological information

12.1 Eco-toxicity:
Data is lacking on the product

12.2 Mobility in soil
No data available

12.3 Bio accumulative potential
Data is lacking. The product is judged not to be potential bio accumulated

12.4 Persistence and degradability
No data available

12.5 Other adverse effects:
The organic part is judged to be easily biodegradable

12.6 Remarks
Relevant data of analysis of the product is lacking. The information given above
. is based on knowledge of the eco toxicology of the components. The product is judged neither to be dangerous for the environment nor to cause long-term adverse effects in the aquatic environment.

SECTION 13: Disposal considerations

13.1 Product
Discarded products and related waste is not hazardous waste acc. to current waste Legislation. For disposal contact approved waste management company Requirement for certain permission exists- see current waste legislation.

13.2 Contaminated packaging
Dispose of as unused product.

SECTION 14: Transport information

14.1 The product is not classified as dangerous goods according to current transport legislation (ADR/RID, DGR and IMDG code).

14.2 **Environmental Hazardous**: Not applicable

SECTION 15: Regulatory information

15.1 **(According to 2001/58/eEC)**
Classification and labeling: The product is not classified as health and environmentally hazardous according to current legislation.

15.2 **Chemical safety assessment**
For this product a chemical safety assessment was not carried out

SECTION 16: Other information

The above information is believed to be correct and may not be all conclusive; however, it should only be used as a guide. EUROFINS AMAR IMMUNODIAGNOSTICS PVT.LTD.
shall not be held liable for any damage resulting from handling
or contact with the above product.