



Material Safety Data Sheet

Anti-LKM-1 (Liver-Kidney Microsomes) (IgG) ELISA

Catalog Number: 35-LKMHU-E01

ALPCO Diagnostics

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AESKU.DIAGNOSTICS Material Safety Data Sheet according to 91/155 EC**AESKULISA LKM-1 Code 3703****1. Identification of substance****Product details****AESKULISA LKM-1 Code 3703****Manufacturer / Supplier**

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2. Composition / Data on components**Chemical characterization**

Preparation

Description

Mixture of substances listed below with nonhazardous additions.

Hazardous ingredients:

Name according to EC Directives: Sodium azide

Hazard symbols: T+ R-phrases: 28-32-50/53

EC-Index-No.: 011-004-00-7 very toxic if swallowed. Contact with acids liberates very toxic gas.

Very toxic to aquatic organisms, may cause long-term effects in the aquatic environment.

CAS-No.: 26628-22-8 Content: < 0,1 %

Additional information

The reagents contain human serum which has been tested and confirmed negative for HBsAg and antibodies directed against HIV. Since no test method offers complete assurance that infectious agents are absent, these reagents should be treated as potentially infectious.

3. Hazard information**Hazard description**

Xn Harmful

Information concerning to particular hazards to man and environment

R 22 Harmful if swallowed.

Classification system

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

4. First aid measures**General information**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

After inhalation

Supply fresh air; consult doctor in case of complaints.

After skin contact

Generally the product does not irritate the skin.

After eye contact

Rinse opened eye for several minutes under running water.

After swallowing

Call for a doctor immediately.

5. Fire fighting measures**Suitable extinguishing agents**

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special protective equipment for fire fighting:

No special measures required.

6. Accidental release measure**Person-related safety precautions**

Not required.

Measures for environmental protection

Prevent seepage into sewage system, workpits and cellars. Do not allow to enter sewers/ surface or ground water.

Measures for cleaning/collecting

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to item 13.

7. Handling and storage**Handling****Information for safe handling**

No special measures required

Information about fire - and explosion protection

No special measures required.

Storage**Requirements to be met by storerooms and receptacles**

No special requirements.

Information about storage in one common storage facility

Not required.

Further information about storage conditions

None.

Class according to regulation on flammable liquids

Void

8. Exposure controls and personal protection gear**Additional information about design of technical facilities**

No further data; see item 7.

Ingredients with limit values that require monitoring at the workplace

26628-22-8 sodium azide

MAK (Germany): 0,2 mg/m³

Additional information

The data valid during the making were used as basis.

Personal protective equipment**General protective and hygienic measures**

Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work.

Respiratory protection

Not required.

Protection of hands

Protective gloves.

Eye protection

Goggles recommended during refilling.

9. Physical and chemical properties

Form liquid

Colour colourless

Odour characteristic

Melting point not available

Boiling point not available

Ignition temperature not available

Self igniting: Product is not self igniting.

Flash point not available

Danger of Explosion Product does not present an explosion hazard.

Explosion limits lower not available, upper not available

Relative vapour density not available

Density (20 °C) 1.02 g/cm³

Solubility in water (20 °C) Fully miscible

10. Stability and reactivity

Thermal decomposition / conditions to be avoided

No decomposition if used according to specifications.

Dangerous reactions

No dangerous reactions known

Dangerous decomposition products

No dangerous decomposition products known

11. Toxicological information

Acute toxicity

Primary irritant effect on the skin

No irritant effect.

Primary irritant effect on the eye

No irritant effect.

Sensitization

No sensitizing effects known.

Additional toxicological information

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

Harmful

12. Ecological information

General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach sewage system.

13. Disposal considerations

Product – Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging – Recommendation

Disposal must be made according to official regulations.

14. Transport information

Land transport ADR/RID and GGVS/GGVE (Germany)

ADR/RID class number and letter

GGVS/GGVE class number and letter

name of material

Maritime transport IMDG

IMDG Class UN-No.:

Packaging group

Ems MFAG

Correct technical name

Air transport ICAO-TI and IATA-DGR

ICAO/IATA Class UN/ID-No.:

Packaging group

Correct technical name

Not restricted under IATA Regulations – The goods are not dangerous and they are suitable for air transportation regulations

15. Regulations

Labelling according to EC Directives

The product has been classified and marked in accordance with EU Directives / Ordinance on hazardous Materials

Code letter and hazard designation of product

Xn Harmful

Hazard-determining components of labelling

sodium azide

Risk phrases

22 Harmful if swallowed.

Safety phrases

36 Wear suitable protective clothing.

National regulations

Classification according to VbF

Void

Waterhazard class

Water hazard class 1 (Self-assessment): slightly hazardous for water.

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

Quality control

Date of issue: 2nd January 2007