



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Version 6.3

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GENERIC EU MSDS - NO COUNTRY SPECIFIC DATA - NO OEL DATA

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

### 1.1 Product identifiers

Product name : Anti-Mouse IgG F(ab')<sub>2</sub> -Texas Red™  
antibody produced in goat

Product Number : SAB3700996  
Brand : Sigma  
REACH No. :

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Laboratory chemicals, Manufacture of substances

### 1.3

CHEMIKART

### 1.4 Emergency telephone

Emergency Phone # : 000 800 1007 141 (CHEMTREC)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008

Acute toxicity, Oral (Category 4), H302

Acute toxicity, Dermal (Category 3), H311

Long-term (chronic) aquatic hazard (Category 2), H411

For the full text of the H-Statements mentioned in this Section, see Section 16.

### 2.2 Label elements

#### Labelling according Regulation (EC) No 1272/2008

Pictogram

Signal word : Danger

|                                      |                                                                                        |
|--------------------------------------|----------------------------------------------------------------------------------------|
| Hazard statement(s)                  |                                                                                        |
| H302                                 | Harmful if swallowed.                                                                  |
| H311                                 | Toxic in contact with skin.                                                            |
| H411                                 | Toxic to aquatic life with long lasting effects.                                       |
| Precautionary statement(s)           |                                                                                        |
| P280                                 | Wear protective gloves/ protective clothing.                                           |
| P301 + P312 + P330                   | IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.            |
| P302 + P352 + P312                   | IF ON SKIN: Wash with plenty of water.Call a POISON CENTER/ doctor if you feel unwell. |
| Supplemental Hazard information (EU) |                                                                                        |
| EUH032                               | Contact with acids liberates very toxic gas.                                           |

### 2.3 Other hazards

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

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

| Component           |                       | Classification                                                                                                | Concentration   |
|---------------------|-----------------------|---------------------------------------------------------------------------------------------------------------|-----------------|
| <b>sodium azide</b> |                       |                                                                                                               |                 |
| CAS-No.             | 26628-22-8            | Acute Tox. 2; Acute Tox. 1; STOT RE 2; Aquatic Acute 1; Aquatic Chronic 1; H300, H330, H310, H373, H400, H410 | >= 2,5 - < 10 % |
| EC-No.              | 247-852-1             |                                                                                                               |                 |
| Index-No.           | 011-004-00-7          |                                                                                                               |                 |
| Registration number | 01-2119457019-37-XXXX | M-Factor - Aquatic Acute: 1<br>M-Factor - Aquatic Chronic: 1                                                  |                 |

For the full text of the H-Statements mentioned in this Section, see Section 16.

## SECTION 4: First aid measures

### 4.1 Description of first-aid measures

#### General advice

Consult a physician. Show this material safety data sheet to the doctor in attendance.

#### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

#### In case of skin contact

Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

#### 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. Consult a physician.

**4.2 Most important symptoms and effects, both acute and delayed**

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

**4.3 Indication of any immediate medical attention and special treatment needed**

No data available

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**SECTION 5: Firefighting measures****5.1 Extinguishing media****Suitable extinguishing media**

Dry powder

**5.2 Special hazards arising from the substance or mixture**

Hydrogen chloride gas

Sodium oxides

**5.3 Advice for firefighters**

Wear self-contained breathing apparatus for firefighting if necessary.

**5.4 Further information**

No data available

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**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Wear respiratory protection. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

**6.2 Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

**6.3 Methods and materials for containment and cleaning up**

Pick up and arrange disposal without creating dust. Sweep up and shovel. Do not flush with water. Keep in suitable, closed containers for disposal.

**6.4 Reference to other sections**

For disposal see section 13.

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**SECTION 7: Handling and storage****7.1 Precautions for safe handling****Advice on safe handling**

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

**Advice on protection against fire and explosion**

Provide appropriate exhaust ventilation at places where dust is formed.

**Hygiene measures**

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

For precautions see section 2.2.

## **7.2 Conditions for safe storage, including any incompatibilities**

### **Storage conditions**

Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Never allow product to get in contact with water during storage. Do not store near acids.

### **Storage stability**

Recommended storage temperature

2 - 8 °C

### **Storage class**

Storage class (TRGS 510): 6.1D: Non-combustible, acute toxic Cat.3 / toxic hazardous materials or hazardous materials causing chronic effects

## **7.3 Specific end use(s)**

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

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## **SECTION 8: Exposure controls/personal protection**

### **8.1 Control parameters**

#### **Ingredients with workplace control parameters**

### **8.2 Exposure controls**

#### **Personal protective equipment**

##### **Eye/face protection**

Face shield and safety glasses 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 Regulation (EU) 2016/425 and the standard EN 374 derived from it.

##### **Body Protection**

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

##### **Respiratory protection**

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of 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).

**Control of environmental exposure**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.  
Discharge into the environment must be avoided.

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**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

- |                                                 |                                                                                  |
|-------------------------------------------------|----------------------------------------------------------------------------------|
| a) Appearance                                   | Form: solid                                                                      |
| b) Odor                                         | No data available                                                                |
| c) Odor 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) Vapor pressure                               | No data available                                                                |
| l) Vapor density                                | No data available                                                                |
| m) Density                                      | No data available                                                                |
| Relative density                                | No data available                                                                |
| n) Water solubility                             | No data available                                                                |
| o) Partition coefficient: n-octanol/water       | No data available                                                                |
| p) Autoignition temperature                     | No data available                                                                |
| q) Decomposition temperature                    | No data available                                                                |
| r) Viscosity                                    | Viscosity, kinematic: No data available<br>Viscosity, dynamic: No data available |
| s) Explosive properties                         | Not classified as explosive.                                                     |
| t) Oxidizing properties                         | none                                                                             |

**9.2 Other safety information**

No data available

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**SECTION 10: Stability and reactivity****10.1 Reactivity**

No data available

**10.2 Chemical stability**

Stable under recommended storage conditions.

**10.3 Possibility of hazardous reactions**

No data available

**10.4 Conditions to avoid**

No data available

**10.5 Incompatible materials**

No data available

**10.6 Hazardous decomposition products**

In the event of fire: see section 5

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**SECTION 11: Toxicological information****11.1 Information on toxicological effects****Mixture****Acute toxicity**

Acute toxicity estimate Oral - 863,83 mg/kg  
(Calculation method)

Inhalation: No data available

Acute toxicity estimate Dermal - 639,88 mg/kg  
(Calculation method)

**Skin corrosion/irritation**

No data available

**Serious eye damage/eye irritation**

No data available

**Respiratory or skin sensitization**

No data available

**Germ cell mutagenicity**

No data available

**Carcinogenicity**

No data available

**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

**11.2 Additional Information**

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

## Components

### sodium azide

#### Acute toxicity

LD50 Oral - Rat - 27 mg/kg

Remarks: (RTECS)

LC50 Inhalation - Rat - male and female - 4 h - 0,054 - 0,52 mg/l  
(US-EPA)

LD50 Dermal - Rabbit - 20 mg/kg

Remarks: (RTECS)

#### Skin corrosion/irritation

Skin - In vitro study

Result: No skin irritation

(OECD Test Guideline 439)

#### Serious eye damage/eye irritation

Eyes - Bovine cornea

Result: No eye irritation - 4 h

(OECD Test Guideline 437)

#### Respiratory or skin sensitization

Local lymph node assay (LLNA) - Mouse

Result: negative

(OECD Test Guideline 429)

#### Germ cell mutagenicity

Test Type: Mutagenicity (mammal cell test): chromosome aberration.

Test system: Chinese hamster ovary cells

Result: negative

Test Type: unscheduled DNA synthesis assay

Test system: Chinese hamster lung cells

Result: negative

Test Type: sister chromatid exchange assay

Test system: Chinese hamster ovary cells

Result: negative

#### Carcinogenicity

No data available

#### Reproductive toxicity

No data available

#### Specific target organ toxicity - single exposure

No data available

#### Specific target organ toxicity - repeated exposure

Oral - May cause damage to organs through prolonged or repeated exposure. -  
Brain

#### Aspiration hazard

No data available

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## SECTION 12: Ecological information

### 12.1 Toxicity

#### Mixture

No data available

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

No data available

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

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

### 12.6 Other adverse effects

Toxic to aquatic life with long lasting effects.

#### Components

##### sodium azide

|                      |                                                                                                                 |
|----------------------|-----------------------------------------------------------------------------------------------------------------|
| Toxicity to fish     | flow-through test LC50 - Oncorhynchus mykiss (rainbow trout)<br>- 2,75 mg/l - 96 h<br>(OECD Test Guideline 203) |
| Toxicity to algae    | static test ErC50 - Pseudokirchneriella subcapitata - 0,35 mg/l<br>- 96 h<br>(OECD Test Guideline 201)          |
| Toxicity to bacteria |                                                                                                                 |

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

#### Contaminated packaging

Dispose of as unused product.

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## SECTION 14: Transport information

### 14.1 UN number

ADR/RID: -

IMDG: -

IATA: -

### 14.2 UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

ADR/RID: - IMDG: - IATA: -

ADR/RID: - IMDG: - IATA: -

ADR/RID: - IMDG: - IATA: -

ADR/RID: - IMDG: - IATA: -

## ADR/RID: no      IMDG Marine pollutant: no      IATA: no

ADR/RID: no      IMDG Marine pollutant: no      IATA: no

### Further information

Not classified as dangerous in the meaning of transport regulations.

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

For this product a chemical safety assessment was not carried out

**Full text of H-Statements referred to under sections 2 and 3.**

|        |                                                                                 |
|--------|---------------------------------------------------------------------------------|
| EUH032 | Contact with acids liberates very toxic gas.                                    |
| H300   | Fatal if swallowed.                                                             |
| H302   | Harmful if swallowed.                                                           |
| H310   | Fatal in contact with skin.                                                     |
| H311   | Toxic in contact with skin.                                                     |
| H330   | Fatal if inhaled.                                                               |
| H373   | May cause damage to organs through prolonged or repeated exposure if swallowed. |
| H400   | Very toxic to aquatic life.                                                     |
| H410   | Very toxic to aquatic life with long lasting effects.                           |
| H411   | Toxic to aquatic life with long lasting effects.                                |

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