

## Safety Data Sheet

**Nrf2 antibody**

**Cat#: orb500793**

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### 1.1 Identification of the Substance

Catalog Number: orb500793

Product Name: Nrf2 antibody

#### 1.2 Application of the substance or mixture

For research use only.

### 2. HAZARDS IDENTIFICATION

#### HAZARD DESCRIPTION

This product contains no hazardous constituents, or the concentrations of all chemical constituents are below the regulatory threshold limits described by Occupational Safety Health Administration Hazard Communication Standard 29CFR 1910.1200 and the European Directive 91/155/EEC.

#### CLASSIFICATION SYSTEM

The classification was made according to the latest editions of the international substances lists, and expanded upon from company and literature data.

#### EMERGENCY OVERVIEW

OSHA Hazards: No known OSHA hazards

GHS Classification: Acute aquatic toxicity (Category 3)

#### GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS

Pictogram: none Signal Word: none

Hazard Statement(s): H402 Harmful to aquatic life Precautionary Statement(s): none

#### HMIS CLASSIFICATION Health Hazard: 0

Flammability: 0 Physical Hazards: 0

#### NFPA RATING Health Hazard: 0

Fire: 0

Reactivity Hazards: 0

#### POTENTIAL HEALTH EFFECTS

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation. Skin: May be harmful if absorbed through skin. May cause skin irritation. Eyes: May cause eye irritation.

Ingestion: May be harmful if swallowed.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Antibodies are from animal source as specified on product PDF datasheet. To properly use Biorbyt MSDS, please refer to product PDF datasheet to determine the exact attribute descriptions (ie exact concentrations of preservatives), and then refer to the appropriate safety regulation written below.

Component: Antibody. Chemical Name: Proclin300

% Conc.: 0.03%

Supplier: SUPELCO

### 4. FIRST AID MEASURES

Inhalation: If inhaled, remove to fresh air. Seek medical attention if needed.

Skin Contact: Wash off with soap and plenty of water. Remove all contaminated personal protective equipment. Seek medical attention if needed

Eyes: Flush eyes with water as a precaution. Seek medical attention if needed.

Ingestion: Rinse mouth with water. Do NOT induce vomiting. Seek medical attention if needed.

### 5. FIRE FIGHTING MEASURES

Conditions of flammability: Not flammable or combustible.

Suitable extinguishing media: Use carbon dioxide, extinguishing powder, water spray, or alcohol- resistant foam.

Special protective equipment for firefighters: Wear self-contained breathing apparatus and protective unit.

Special exposure hazards: No data available.

### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Do not touch or walk through spilled material. Wear personal protective equipment.

Environmental Precautions: Do not let product enter drains. Discharge into the environment must be avoided.

Clean up methods: Soak up with absorbent material. Keep in suitable closed containers for disposal.

### 7. HANDLING AND STORAGE

#### HANDLING

Information for safe handling: Avoid contact with eyes and skin. Ensure adequate ventilation.

#### STORAGE

Recommended storage temperature: -20C or 4C, refer to enclosed product data sheet. Conditions for safe storage: Keep container tightly closed. Store away from oxidizing agents.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

The product does not contain any substance with occupational hazard exposure limit values.

#### PERSONAL PROTECTIVE EQUIPMENT

**Respiratory protection:** Respiratory protection not required. In case of brief exposure, use a chemical fume hood or a type OV/AG (US) or type AHEK (EU EN 14387) respirator cartridges.

**Hand Protection:** Handle with chemical resistant gloves. Wash and dry hands.

**Eye Protection:** Use safety glasses tested and approved under appropriate government standards. **Skin and Body Protection:** Protective work clothing (lab coat).

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### GENERAL INFORMATION

**Form:** liquid or lyophilized

**Color:** colorless

**Odor:** no data available

**Melting point:** no data available

**Boiling point:** no data available

**Flash point:** no data available

**Auto ignition point:** no data available

**Danger of explosion:** no data available

**Vapor pressure:** not applicable

**Density:** no data available

## 10. STABILITY AND REACTIVITY

**Chemical stability:** Stable under recommended storage conditions

**Possibility of hazardous reactions:** No data available

**Conditions to avoid:** Freeze thaw cycles

**Materials to Avoid:** Strong oxidizers

**Dangerous products of Decomposition:** No dangerous decomposition products known.

## 11. TOXICOLOGICAL INFORMATION

**Acute Toxicity:** Primary irritant effect

**Skin:** No irritating effect

**Eyes:** No irritating effect

**Additional toxicological information:** The product is not subject to OSHA classification according to internally approved calculation methods for preparations. When used and handled according to specifications, this product does not have any harmful effects according to our experience and the information provided to us.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** The ecological effects have been thoroughly investigated, but currently none have been identified.

General Notes: Harmful to aquatic life.

### 13. DISPOSAL CONSIDERATIONS

Recommendation: Must adhere to state and federal regulations. Smaller quantities can be disposed of with solid waste. Disposal must be made according to the regulations found in 40 CFR 261. This product is not considered a RCRA hazardous waste.

Contaminated Packaging: Disposal must be made according to state and federal regulations.

### 14. TRANSPORT INFORMATION

#### DOT REGULATIONS

Hazard Class: Non-hazardous for transport

#### LAND TRANSPORT

ADR/RID Class: Non-hazardous for transport

#### MARITIME TRANSPORT

IMDG Class: Non-hazardous for transport

#### AIR TRANSPORT

ICAO/IATA Class: Non-hazardous for transport

### 15. REGULATORY INFORMATION

OSHA Hazards: Not known OSHA hazard

SARA Section 355 (extremely hazardous): None of the ingredients listed

SARA Section 313 (specific toxic chemical listings): None of the ingredients listed TSCA (Toxic Substances Control Act): 26628-22-8 Sodium Azide

#### MASSACHUSETTS RIGHT TO KNOW COMPONENTS

Sodium Azide - CAS-No. 26628-22-8 Revision Date 2007-07-01

#### PENNSYLVANIA RIGHT TO KNOW COMPONENTS

Sodium Azide - CAS-No. 26628-22-8 Revision Date 2007-07-01

#### NEW JERSEY RIGHT TO KNOW COMPONENTS

Water - CAS-No. 7732-18-5

#### CALIFORNIA PROPOSITION 65 COMPONENTS

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

### 16. OTHER INFORMATION

The information provided on the Safety Data Sheet is to the best of our knowledge, information, and belief at the time of its publication. The information given is designed to be used as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. Conditions of use and suitability of the product for particular uses are beyond our control, therefore the user assumes all risks of use of the product.