



MSDS – Product #20-271 Apex Bioresearch Products Propionic Acid, Sodium Salt (1Kg), Fly Food Preservative, Powder, 1Kg/Unit

05/11/2023

PRODUCT IDENTIFICATION
PRODUCT: Apex Bioresearch Products 20-271 Propionic Acid, Sodium Salt (1Kg), Fly Food Preservative, Powder, 1Kg/Unit
PRODUCT #: 20-271
MANUFACTURER: Apex Bioresearch Products
RECOMMENDED USE: For Laboratory Research Use Only
Not for Human or Animal Drug Use

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

2.2 Label elements

Labeling according to EC Directives (1999/45/EC)

Further information : The product does not need to be labeled in accordance with EC directives or respective national laws.

2.3 Other hazards

Remarks: None known

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Remarks : Contains no hazardous ingredients according to EC directives or respective national laws.

4. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation

Remove to fresh air. Keep patient warm and at rest. In case of feeling unwell consult a physician.

Skin contact

Rinse with water.

Eye contact

Rinse with plenty of water. If symptoms persist, call a physician.

Ingestion

Rinse mouth with water. Obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : May cause mild irritation.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Treatment : No information available.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Extinguishing media : Water spray
Foam
Dry chemical
Carbon dioxide (CO₂)

5.2 Special hazards arising from the substance or mixture

In case of fire hazardous decomposition products may be produced such as: sodium oxide

5.3 Special protective actions for fire-fighters

In the event of fire, wear self-contained breathing apparatus. Splash proof protective suit.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. For personal protection see section 8.

6.2 Environmental precautions

Try to prevent the material from entering drains or water courses.

6.3 Methods and materials for containment and cleaning up

Sweep up and shovel into suitable containers for disposal. Smaller spills can be flushed away with plenty of water to remove the product.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Keep container closed when not in use. Avoid contact with skin, eyes and clothing.

7.2 Conditions for safe storage, including any incompatibilities

Keep tightly closed in a dry and cool place. Store in original container.

Materials to avoid:

no data available

7.3 Specific end uses

Food additive

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure Limit Values

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. In case of insufficient ventilation, wear suitable respiratory equipment. Ensure that eyewash stations and safety showers are close to the workstation location.

8.2.2 Individual protection measures, such as personal protective equipment

Hand protection

Glove material: PVC

Glove material: Rubber gloves

Eye protection

Chemical resistant goggles must be worn.

Skin and body protection

Work clothing.

Respiratory protection

Respirator must be worn if exposed to dust.

9. PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties****General Information (appearance, odor)**

Physical state	solid, powder, granules
Color	white
Odor	odorless

Important health safety and environmental information

pH	8 – 9,5 (10 g/l)
Melting point/range	210 °C
Flash point	> 250 °C (PMCC)
Flammability (solid, gas)	The product is not flammable. (Flammability (solids))
Dust explosion description number Kst:	55 m.b./s
Minimum Ignition energy	0,1 - 10 kJ
Explosive properties:	
Lower explosion limit	no data available
Upper explosion limit	no data available
Density	1,520 kg/m ³ 300 - 600 kg/m ³ loose
Solubility(ies):	
Water solubility	995 kg/m ³ (20 °C) 1,270 kg/m ³ (80 °C)

9.2 Other data -**10. STABILITY AND REACTIVITY****10.1 Reactivity**

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions : None known.

10.4 Conditions to avoid

Conditions to avoid : Stable under recommended storage conditions.
The product is hygroscopic.

10.5 Incompatible materials

Materials to avoid : no data available

10.6 Hazardous decomposition products

Hazardous decomposition products : no data available

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

LD50/Oral/rat: 5.600 mg/kg

Irritation and corrosion

Skin:
Not classified as irritating for skin.

Eyes:
Not classified as irritating for eyes.

Sensitisation

no data available

Long term toxicity

Other information

no data available

Human experience

Inhalation

Exposure to dust at high concentrations. May cause irritation of the mucous membranes.
May cause irritation of respiratory tract.

Skin contact

Repeated or prolonged exposure, may cause mild irritation

Eye contact
May cause mild irritation.

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity effects

Aquatic toxicity

no data available

Toxicity to other organisms

no data available

12.2 Persistence and degradability

Biological degradability:

Readily biodegradable

12.3 Bioaccumulative potential

Bioaccumulation is unlikely.

12.4. Mobility in soil

Mobility

Water solubility: 995 kg/m³ (20 °C)
1.270 kg/m³ (80 °C)

Water soluble. Stays in water phase. non-volatile

12.5. Results of PBT and vPvB assessment

This substance is not considered to be persistent, bioaccumulating nor toxic (PBT).

12.6 Other adverse effects None known

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Dispose of in compliance with local and national regulations.

14. TRANSPORT INFORMATION

14.1 UN number

Land transport

Not classified as dangerous in the meaning of transport regulations.

Sea transport

Not classified as dangerous in the meaning of transport regulations.

Air transport

Not classified as dangerous in the meaning of transport regulations.

14.6 Special precautions for user

Not classified as dangerous in the meaning of transport regulations.

15. REGULATORY INFORMATION

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

Water contaminating class : WGK 1 slightly water endangering
(Germany)

Notification status

EINECS :Update: 1990-06-15
Listed Notification number: 2052904

15.2 Chemical Safety Assessment

not required

16. OTHER INFORMATION

Training advice

Read the safety data sheet before using the product.

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Sources of key data used to compile the Safety Data Sheet

Regulations, databases, literature, own tests.

Additions, Deletions, Revisions

Relevant changes have been marked with vertical lines.

End of SDS