



SAFETY DATA SHEET

FERMO-START

Section 1: Identification of the Substance and of the Company

1.1 Product Identifier:

Product Name: FERMO-START
Synonyms: Yeast Derivate
CAS Number: Not applicable

1.2 Relevant Identified uses of the Substance and Uses Advised Against:

Relevant Identified Uses: Fermentation Aid

1.3 Details of the Supplier of the Safety Data Sheet:

Supplier: ATPGroup
2 Madison Ave.
Larchmont, NY 10538 USA
Telephone: 914-834-1881
Fax: 914-834-4611
www.atpgroup.com

1.4 Emergency Telephone Number

Telephone 800-424-9300 – CHEMTREC (24/7) – within USA & Canada
+1 703-527-3887 – CHEMTREC (24/7) – International & Maritime
914-834-1881 – ATPGroup

Section 2: Hazards Identification

2.1 Classification of the Substance:

The FERMO-START is not classified as hazardous under the provisions of Directives 67/548/EEC and 1999/45/CD and/or Regulation EC 1272/2008 (CLP) and subsequent amendments and adjustments

-No specific danger under normal use.-



2.2 Label Elements:

According to EC REG. No. 1272/2008

Hazard Pictogram: None

Signal Word: None

Hazard Statements: None

Precautionary Statements: None

2.3 Other Hazards:

Material may cause slight irritation on prolonged or repeated contact. Do not handle this material if you have known allergies or otherwise physical reaction to yeast.

Section 3: Composition/Information on Ingredients

3.1 Chemical Characteristics/Substances

No data available

3.2 Ingredients

Commercial Name: Yeast derivative

CAS #: Not applicable

EC#: Not applicable

Other information: None

3.2 Ingredients

Commercial Name: Thiamine Hydrochloride (Vitamin B1)

CAS #: 67-03-8

EC#: 200-641-8

Other information: None



Section 4: First Aid Measures

4.1 Description of First Aid

Skin Contact: Wash thoroughly with soap and water, consult a physician if irritation occurs

Eye Contact: Immediately rinse with plenty of water for at least 10 minutes

Ingestion: If swallowed in large amounts, drink plenty of water and seek medical advice.

Inhalation: Ventilate the area. Immediately move the patient to a well ventilated area. If you feel unwell seek medical advice.

4.2 Most Important Symptoms and Effects, both Acute and Delayed

Irritation of eyes and mucous membranes

4.3 Indication of any Immediate Medical Attention and Special Treatment Needed

In case of doubt seek medical advice

Section 5: Fire-fighting Measures

5.1 Extinguishing Media

Suitable Extinguishing Media: Water spray, dry chemical, alcohol foam, or carbon dioxide.

Unsuitable Extinguishing Media for Safety Concerns: No data available

5.2 Special Hazards Arising from the Substance

Fire: None

Explosion: None

Other: Sulfur Dioxide gas is liberated when in contact with acids at temperatures >50°C (120F)

5.3 Advice for Firefighters

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

Section 6: Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedures



Non-Emergency Personnel: move away from the area surrounding the spill or release. No smoking. Wear appropriate protective equipment (see section 8).

Emergency Personnel: ventilate area, wear appropriate protective equipment (see section 8), avoid breathing the dust and contact with eyes. No smoking. Evacuate the danger area and, if necessary, consult an expert.

6.2 Environmental Precautions

Limit spills with earth or sand. If the product has escaped into a water course, into the drainage system, or it has contaminated the ground or vegetation, notify the competent authorities. Dispose of waste in compliance with current local regulations.

6.3 Methods and Material for Containment and Cleaning Up

Collect the spilled material in appropriate containers for reclamation or disposal in accordance with local rules. Absorption by an inert material may be necessary. Flush area with water.

6.4 Reference to Other Sections

See Section 8 or 13

Section 7: Handling and Storage

7.1 Precautions for Safe Handling

Follow appropriate Good Manufacturing Practices. Avoid contact, inhalation, and ingestion. See also section 8.

7.2 Conditions for Safe Storage, Including Any Incompatibilities

Keep in a tightly closed container. Do not store in unlabeled containers. Protect from physical damage. Store in a cool, dry, ventilated area away from sources of heat/ignition, moisture, direct sunlight, extreme cold, and incompatibilities.

7.3 Specific End Uses

See 1.2

Section 8: Exposure Controls/Personal Protection

8.1 Control Parameters

None

8.2 Exposure Controls

Appropriate Engineering Controls: Provide ventilation system; in general dilution ventilation is a satisfactory health hazard control for this substance. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered.

Personal Protective Equipment (PPE):

Personal Respirators (NIOSH Approved): Recommended

Skin Protection: Gloves and protective clothing to prevent contact.

Eye Protection: Use chemical safety goggles with side shields (ref. EN 166). Maintain eye wash fountain and quick-drench facilities in work area.

Hygiene Measures: Handle with accordance with good industrial hygiene and safety practice. Wash your hands before breaks and at the end of the workday. Keep away from food and drink. Wash work clothing and PPE periodically to remove contaminants.

Section 9: Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Appearance: Brown Powder

Odor: Characteristic

Odor Threshold: N/A

pH: 4.00 – 7.00 (sol 2%)

Melting Point: > 200° C

Freezing Point: No data available

Boiling Point: No data available

Flash Point: No data available

Flammability: Not flammable **Upper Limit:** N/A **Lower Limit:** N/A

Explosive Properties: Not explosive **Upper Limit:** N/A **Lower Limit:** N/A

Auto-Ignition Temperature: No data available



Decomposition Temperature: No data available
Partition Coefficient: n-Octanol/water: No data available
Solubility: insoluble in water, and in organic solvents
Density: No data available
Relative Density: No data available
Vapor Density (Air=1): No data available
Evaporation Rate (BuAc=1): No data available
Vapor Pressure (mm Hg): No data available
Viscosity: No data available

Section 10: Stability and Reactivity

10.1 Reactivity

Stable in Normal Conditions

10.2 Chemical Stability

Chemically stable in the normal conditions

10.3 Possibility of Hazardous Reactions

None

10.4 Conditions to Avoid

None

10.5 Incompatible Materials

None

10.6 Hazardous Decomposition Products

None, known under normal conditions of use. When heated or in the event of fire may be released and vapors which are dangerous to health.



Section 11: Toxicological Information

11.1 Information on Toxicological Effects

High toxicity: N/A

Unless otherwise specified, the data required by Regulation 453/2010 / EC listed below are considered NOT APPLICABLE (N.A.)

1. Acute Toxicity
2. Skin Corrosion/Irritation
3. Serious Eye Damage/Irritation
4. Respiratory or Skin Sensitization
5. Germ Cell Mutagenicity
6. Reproductive Toxicity
7. STOT-Single Exposure
8. STOT-Repeated Exposure
9. Aspiration Hazard
10. Information on Likely Routes of Exposure

Section 12: Ecological Information

12.1 Toxicity

Adopt good working practices, avoiding release of the product in the environment.

12.2 Persistence and Degradability

None

12.3 Bioaccumulative Potential

Not potentially bioaccumulative.

12.4 Mobility in Soil

No data available

12.5 Results of PBT and vPvB Assessment

Not considered to be a PBT or vPvB substance per Regulation (EC) No. 1907/2006, Annex XIII

Section 13: Disposal Considerations

13.1 Waste Treatment Methods

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements. Empty containers have to be handled with the same caution as the pure substance.

Section 14: Transport Information

Not regulated. Not a Hazardous Material

Section 15: Regulatory Information

15.1 Standards and legislation, health legislation specific for the substance / mixture

- Regulation 3/2/1997 n. 52 (Classification, packaging and labeling of dangerous substances)
- Regulation 14/3/2003 n. 65 (Classification, packaging and labeling of dangerous substances)
- D.M. 26/02/2004 work (occupational exposure limits)
- D.M. 03/04/2007 (Implementation of Directive no. 2006/8 / EC)
- Regulation (EC) No. 1907/2006 (REACH)
- Regulation (EC) No. 1272/2008 (CLP)
- Regulation (EC) No. 790/2009 (ATP1 CLP)
- Regulation (EU) No. 453/2010 (Annex I)
- Regulation (EU) No. 286/2011 (ATP 2 CLP)
- Restrictions related to the product or contained substances pursuant to Annex XVII of Regulation (EC) No. 1907/2006 (REACH) and subsequent amendments

Where applicable, refer to the following regulations:

- Regulation September 21, 2005 n. 238 (Seveso Directive Ter)
 - Regulation EC No. 648/2004 (detergents).
 - Decree 9 January 1927, n. 147 (Toxic Gas)
 - D.L. 3/4/2006 n. 152 Environmental Regulations.
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Section 16: Other Information

Text of phrases referred to in section 3:

R31 = Contact with acids liberates toxic gas

R36 = Irritating to eyes

R37 = Irritating to respiratory system

Description of danger signs set out in paragraph 3

H319 = Causes serious eye irritation.

Classification made based on the data of all the components of the mixture

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