

JANUARY 1, 2024



SODIUM METABISULFITE NF/FOOD AND
PHOTO DATA PACKAGE

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Letter to Our Customers

Dear Valued Customer,

Over the past few years, Esseco USA has received a significant increase in the number of questionnaires, surveys, and document requests from our customers.

Most of these requests focus on the same product, manufacturing, quality, and safety issues.

Moving forward, we will be unable to complete each customer's specific documentation requests.

In order to respond to all of these varied types of requests, Esseco USA has generated a comprehensive product specific Data Package (Data Pack) that will provide most if not all of the requested information.

We are confident that this Data Pack will ensure that consistent information is provided in a timely and efficient manner. The Data Pack is updated annually to ensure all data is accurate, and additionally the Data Pack will be updated in reaction to major regulatory changes.

Sincerely



Esseco USA Technical Services

All statements, information, and data given herein are believed to be accurate and reliable but are presented without guaranty, warranty, or responsibility of any kind, express or implied. Statements or suggestions concerning possible use of our products are made without representation or warranty that any such use is free of patent infringement, and are not recommendations to infringe any patent. The user should not assume that all safety measures are indicated or that other measures may not be required. All suggestions made herein are intended for use by persons having requisite knowledge and skill, and are to be utilized at their own risk. Esseco USA assumes no responsibility for this information, and potential purchasers waive all claims they may have and agree to indemnify and hold harmless Esseco USA from any claims or damages they may later allege relative to their reliance upon these suggestions.

General

Product

Name	Sodium Metabisulfite
Code	1NP04E

Supplier

Name	Esseco USA
Address	4 Gatehall Drive, Parsippany, NJ 07054
Phone	973-267-3330
Internet	https://www.essecousa.com/

Manufacturer

Name	Esseco Srl
Address	Via San Cassiano 99, San Martino di Trecate, Novara 28069, Italy
Phone	+39 0321 7901
Internet	www.esseco.com/en/
Country of Origin	Italy

Products Details

General Information

- Sodium Metabisulfite is manufactured with inorganic raw materials (No plants or organic materials) and is therefore considered a synthetic product

Product References

- CAS No. (Chemical Abstracts Service): 7681-57-4
- EINECS (European Inventory of Existing Commercial Chemical Substances): 231-673-0
- E No. (EU number for additives): E223
- REACH (Registration, Evaluation, Authorization of Chemicals): registration number 01-2119531326-45-0004

Storage

- Store the product in a cool and dry indoor location (humidity and dampness promote oxidation and temperatures above 140°F release SO₂, yielding sodium sulfite).
- Shelf-life is 3 years from date of manufacture when stored in original container

Compliance

- Regulation (EU) No 231/2012 (food additives)
- FCC XII
- European Pharmacopoeia 10
- National Formulary (NF 38)
- ANSI PH4.276 and ISO 3627 (photo standards)
- UNI EN 12121:2013 (chemicals used for treatment of drinking water)

Packaging

- The packaging used for the NF/Food and Photo grade of sodium metabisulfite sold by Esseco USA is suitable for food contact, this includes both 50 lb bags and various supersack sizes.
- All the sodium metabisulfite sold by Esseco USA is produced by Esseco srl in Italy and is packaged on pallets that have been heat treated and made from European wood. No fungicides including 2,4,6 tribromophenol (TBP) or 2,4,6 trichlorophenol (TCP) are used on any pallets for this product.
- All the sodium metabisulfite that is sold in 50 lb bags by Esseco USA has gone through a metal detection device when it was packaged by Esseco Srl in Trecate, Italy.

Contaminants

- The NF/Food and Photo Grade of Sodium Metabisulfite sold by Esseco USA meets all of the product specification requirements. The product may at times contain very small quantities of off-color yellow, gray, brown, or black particulates. These particulate contaminants are technically unavoidable due to current raw materials, equipment, and manufacturing technology utilized to produce and package the product.

Residual

- The NF/Food and Photo Grade of Sodium Metabisulfite sold by Esseco USA does not contain any of the solvents listed in the United States Pharmacopeia general chapter <467> (Class 1, Class 2, Class 3, or other Table 4), the European Pharmacopeia, or the International Conference on Harmonization of Technical Requirements for Registration of Pharmaceuticals for Human Consumption (ICH) Residual Solvent (OVI) Lists. In addition, it does not contain any other organic solvents.

Cosmetics

- The NF/Food and Photo Grade of Sodium Metabisulfite sold by Esseco USA does not contain any of the substances which have been classified as carcinogenic, mutagenic or toxic for reproduction (CMR) of category 1A, category 1B or category 2 under Part 3 of Annex VI to Regulation (EC) No 1272/2008 (CMR substances).
- The NF/Food and Photo Grade of Sodium Metabisulfite sold by Esseco USA complies with Cosmetic Regulation (EC) No 1223/2009.
- The NF/Food and Photo Grade of Sodium Metabisulfite sold by Esseco USA does not contain any added fragrances.

BSE/TSE/GMO

- This is to certify that NF/Food and Photo grade of sodium metabisulfite sold by Esseco USA does not contain any materials that are of organic or animal origin. In addition, it does not come in contact with materials of organic or animal origin in its manufacture. Therefore, it is BSE / TSE compliant and contains no Genetically Modified Organisms (GMO's).

Composition

Component	Percent	CAS Number
Sodium Metabisulfite	99.1	7681-57-4
Sodium Sulfite	0.4	7757-83-7
Sodium Sulfate	0.5	7757-82-6
Total:	100.0	

Manufacturing

Site Information

- Size of Site 1,800,000 sq ft
- Total Employees 307
- Production Staff 140
- Quality Unit Staff 9
- Quality Assurance Staff 5

Process

- The NF/Food and Photo grade of sodium metabisulfite is manufactured using a synthetic process.
- This is a continuous process in a closed and dedicated plant.
- The raw materials of sulfur dioxide and sodium hydroxide or sodium carbonate are reacted and then concentrated into a slurry until the required density is reached.
- The crystalline product is separated by centrifuge, screened, and dried.
- The process is controlled by an automatic system with periodic testing and adjustments performed by the operators.
- The product is packaged in a closed and dedicated line, equipped with a metal detector (sensitivity: 2.5 mm of ferrous, non-ferrous, and stainless steel).

Manufacturing Information

- The product is not treated with ionizing radiation during the production process and is not treated with any ingredient treated with ionizing radiation.
- The product is manufactured using current Good Manufacturing Practices (cGMP).

Quality System

- The plant maintains a FSSC 22000 Certification from Global Food Safety Initiative(GFSI).
- The plant maintains an ISO 9001:2015 Certification.
- The plant has an FDA registration number of 10290799032.

Lot Numbering System

- Numbering System Explanation

The first two numbers designate the year of manufacture.

The following three numbers designate the Julian calendar day.

The last number designates the bin that the product was packaged from.

- Example for Lot Number 200255

20 - Year of Manufacture, 2020

025 - Julian day of calendar Year, January 25

5 - Product was packaged out of bin 5

Products Not Used in Manufacturing of Product

This product does not contain and hasn't been in contact with the following:

- Bioengineered Ingredients (GMOs)
- Bisphenol A
- Bromate
- Diacetyl
- Ethylene Oxide
- Formaldehyde
- Graphite
- Jatropha Plant
- Melamine
- Metal Catalysts
- Mycotoxins
- Nanometals
- Nonylphenol ethoxylates or alkylphenols
- Palm oil or palm oil derivatives
- Parabens – Butylparben or Propylparaben
- Partially hydrogenated oils
- Polychlorinated biphenyl or Polybrominated biphenyl
- Perfluoroalkyl and Polyfluoroalkyl
- Perfluorohexane sulfonic acid
- Pesticides
- Phthalates or esters
- Residual Solvents (US & Europe Pharmacopeia Listings)
- Sewage Sludge
- Toluene
- Triclosan

Additional Site Information

- Pest activity is checked 12 times per year by specialized external firm (Rentokil Srl).

Food Information

Food Information

- This product is a substance that is generally recognized as safe (GRAS) per Title 21 of the Code of Federal Regulations Part 182.3766 (2020).
- The product is in compliance with all Kosher requirements.
- The product is in compliance with all Halal requirements.
- The product does not contain any ingredients of animal origin or alcohol. Furthermore we can exclude any risk of environmental contamination during manufacture, filling, packing, transportation and storage.
- The NF/Food and Photo grade of sodium metabisulfite sold by Esseco USA meets all of the requirements of the US Food and Drug Administration (FDA) Food Safety Modernization Act (FSMA).
- Esseco USA is the importer of record for the NF/Food and Photo grade of sodium metabisulfite sold by Esseco USA and has taken all of the necessary steps to be compliant with the United States Food and Drug Administration's Foreign Supplier Verification Program (FSVP) for importers of food for humans and animals.

Diet Suitability

The product is suitable for:

- Vegans
- Lacto / Ovo-lacto vegetarians
- Diabetics
- Lactose intolerants
- Celiacs

Microbiological

The sodium metabisulfite sold by Esseco USA is bacteriostatic and will not support microbiological contamination or growth and requires no additional kill step(s) to make the product ready to eat. The product will not support growth of the following:

- Aflatoxins
- Mycotoxins
- Pathogens

Nutritional Value

Unit of Measurement, 100 Grams			
Ash:	32.6 g	Moisture:	< 0.1 g
Calcium:	1.0 mg	Niacin:	0 mg
Calories:	0	Phosphorus:	0 mg
Carbohydrates:	0 g	Potassium:	0 mg
Cholesterol:	0 mg	Protein:	0 g
Fat – Saturated:	0 g	Riboflavin:	0 mg
Fat – Monounsaturated:	0 g	Sodium:	24211 mg
Fat – Polyunsaturated:	0 g	Sugars – Added:	0 g
Fat – Trans:	0 g	Sugars – Total:	0 g
Fat – Total:	0 g	Thiamine:	0 mg
Fiber:	0 g	Vitamin A:	0 µg
Iron:	0.2 mg	Vitamin C:	0 µg
Magnesium:	0.5 mg	Vitamin D	0 µg

Documents

Reference Documents

- ISO 9001:2015 Quality Management System
- HACCP Chart
- Allergen Statement
- FSSC 22000 GFSI Certification
- Kosher Certificate
- Halal Certificate
- Nutrition Statement

Other Documents

- Certified Food Grade Guarantee
- Process Flow Chart
- Organizational Chart
- Bioterrorism Statement
- California Prop 65
- 50 LB Package Label
- Supersack Label



SODIUM METABISULFITE NF/FOOD AND PHOTO DATA PACKAGE REFERENCE DOCUMENTS

ISO 9001:2015 Quality Management System	Page 2-3
HACCP Chart	Page 4-9
Allergen Statement	Page 10
FSSC 22000 GFSI Certification	Page 11
Kosher Certificate	Page 12-13
Halal Certificate	Page 14
Nutrition Statement	Page 15

CERTIFICATO n°
CERTIFICATE n° **158**

SI CERTIFICA CHE L'ORGANIZZAZIONE
WE HEREBY CERTIFY THAT THE ORGANIZATION

ESSECO S.r.l.

IT - 28069 SAN MARTINO DI TRECATE (NO) - VIA SAN CASSIANO 99

NELLE SEGUENTI UNITA' OPERATIVE / IN THE FOLLOWING OPERATIVE UNITS

IT - 28069 SAN MARTINO DI TRECATE (NO) - VIA SAN CASSIANO 99

HA ATTUATO E MANTIENE UN SISTEMA DI GESTIONE QUALITA' CHE E' CONFORME ALLA NORMA
HAS IMPLEMENTED AND MAINTAINS A QUALITY MANAGEMENT SYSTEM WHICH COMPLIES WITH THE FOLLOWING STANDARD

UNI EN ISO 9001:2015

PER LE SEGUENTI ATTIVITÀ / FOR THE FOLLOWING ACTIVITIES

SETTORE CODE **IAF 12 03**

Sviluppo, produzione, analisi di laboratorio, vendita e commercializzazione di: prodotti chimici per l'industria e per l'agricoltura; additivi e coadiuvanti per il settore enologico e per l'industria alimentare. Produzione, stoccaggio e vendita deicer (sghiacciante per pista aeroporti) e sodio idrosolfito.

Development, production, laboratory analysis, sale and marketing of chemicals for agriculture and industry; additives and adjuvants for the wine and food industry. Production, stocking and sale of de-icers (for airport runways) and sodium dithionite.

IL PRESENTE CERTIFICATO È SOGGETTO AL RISPETTO DEL REGOLAMENTO PER LA CERTIFICAZIONE DEI SISTEMI DI GESTIONE
THE USE AND THE VALIDITY OF THE CERTIFICATE SHALL SATISFY THE REQUIREMENTS OF THE RULES FOR THE CERTIFICATION OF MANAGEMENT SYSTEMS

PRIMA EMISSIONE FIRST ISSUE	10/06/1994
DATA DELIBERA DECISION DATE	23/05/2023
DATA SCADENZA EXPIRY DATE	08/06/2026
EMISSIONE CORRENTE CURRENT ISSUE	23/05/2023



CERTIQUALITY S.r.l. IL PRESIDENTE
Via G. Giardino 4 - 20123 MILANO (MI) - ITALY



SGQ n. 008 A

Membro degli Accordi di Mutuo riconoscimento EA, IAF e ILAC.
Signatory of EA, IAF and ILAC Mutual Recognition Agreements.



www.cisq.com

CISQ è la Federazione Italiana di Organismi di
Certificazione dei sistemi di gestione aziendale. CISQ
is the Italian Federation of management system
Certification Bodies.

Certificate

CISQ/CERTIQUALITY S.r.l. has issued an IQNET recognized certificate that the organization:

ESSECO S.r.l.

IT-28069 SAN MARTINO DI TRECATE (NO) - VIA SAN CASSIANO 99

has implemented and maintains a/an
Quality Management System

for the following scope:

Development, production, laboratory analysis, sale and marketing of chemicals for agriculture and industry; additives and adjuvants for the wine and food industry. Production, stocking and sale of de-icers (for airport runways) and sodium dithionite.

which fulfils the requirements of the following **standard**:

ISO 9001:2015

Issued on: 23/05/2023
First issued on: 10/06/1994
Expires on: 08/06/2026

Registration Number: **IT- 1637 - 158**



Alex Stoichitoiu
President of IQNET



Mario Romersi
President of CISQ

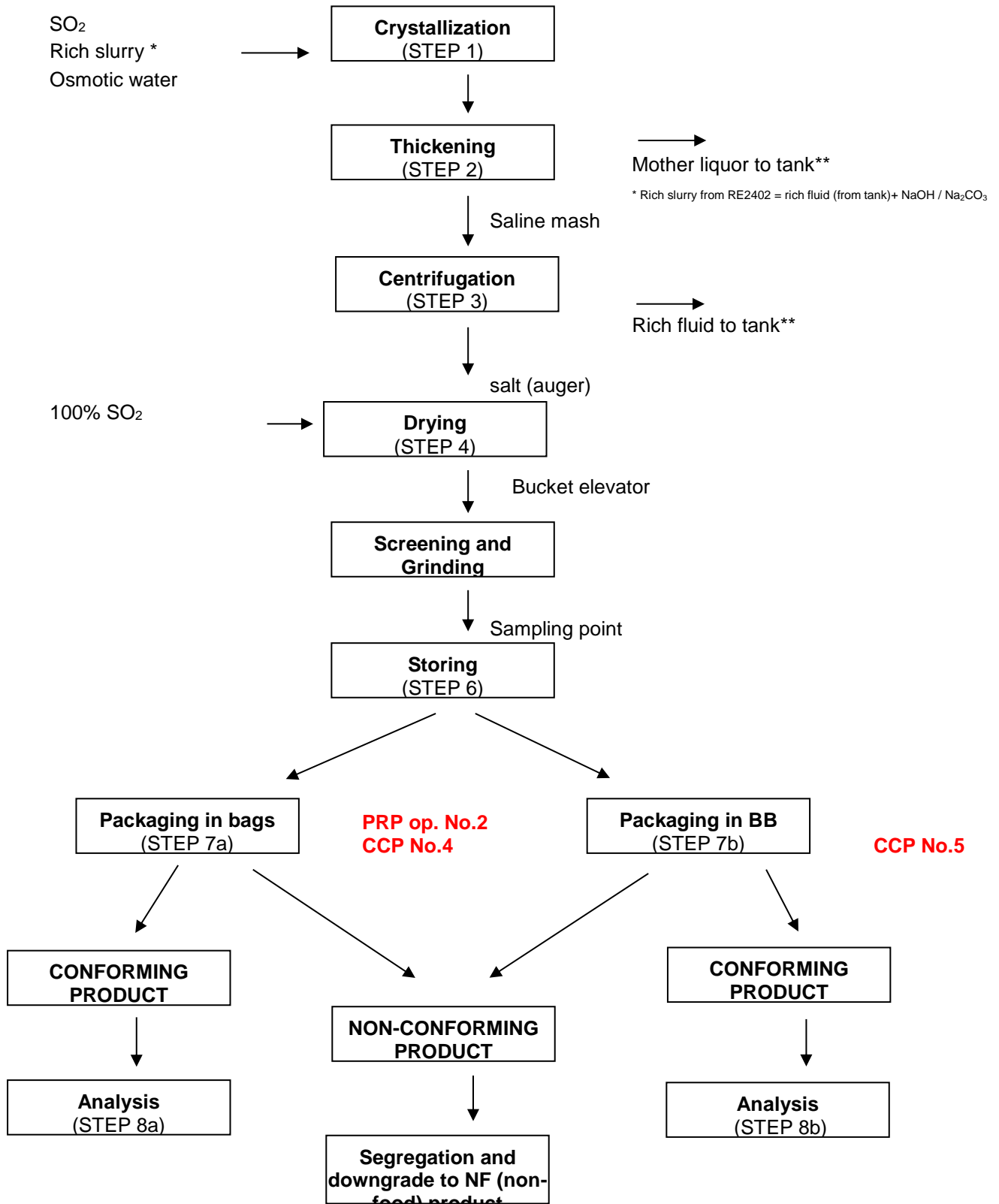


This attestation is directly linked to the IQNET Member's original certificate and shall not be used as a stand-alone document.

IQNET Members*:

AENOR Spain **AFNOR Certification** France **APCER** Portugal **CCC** Cyprus **CISQ** Italy **CQC** China **CQM** China **CQS** Czech Republic
Cro Cert Croatia **DQS Holding GmbH** Germany **EAGLE Certification Group** USA **FCAV** Brazil **FONDONORMA** Venezuela **ICONTEC**
Colombia **ICS** Bosnia and Herzegovina **Inspecta Sertifointi Oy** Finland **INTECO** Costa Rica **IRAM** Argentina **JQA** Japan **KFQ** Korea
LSQA Uruguay **MIRTEC** Greece **MSZT** Hungary **Nemko AS** Norway **NSAI** Ireland **NYCE-SIGE** México **PCBC** Poland **Quality Austria**
Austria **SII** Israel **SIQ** Slovenia **SIRIM QAS International** Malaysia **SGS** Switzerland **SRAC** Romania **TSE** Türkiye **YUQS** Serbia

* The list of IQNET Members is valid at the time of issue of this certificate. Updated information is available under www.iqnet-certification.com



PRODUCT FILE No.3: SODIUM METABISULPHITE FROM SA3 - HAZARD ANALYSIS WORKSHEET (ref. para. 7.4)

Hazard identification, determining acceptability level, hazard assessment and selection and assessment of control measures

 Rev. 5
EXTRACT

STEP	POTENTIAL HAZARD (C) Chemical (M) Microbiological (P) Physical	ACCEPTABILITY LEVEL	RISK ANALYSIS (Ann.9)			Is hazard prevention necessary for product safety?	DECISION TREE (Ann.8)				CCP or PRP op.	CONTROL MEASURES
			GD	P	GR		D1	D2	D3	D4		
1	(C) Chemical quality of supplied raw materials	No impurities above RQ limit										PRP No.14 and No.15. Raw material control and supplier qualification procedures. Hazard controlled through supplier approval, statistical product control and individual batch inspection
	(C) Chemical quality of water from osmotic process	No product-transferable impurities										PRP No.6 and No.7. Chemical hazard is controlled through osmotic water production control procedures
	(C) Chemical quality of SO ₂											Please refer to the product test for sulphur dioxide
2												
3	(P) (M) Operator-related and environmental contamination	No contamination										PRP No.25. Application of personnel code of conduct and facility inspection as per ASQ041
4	(C) Chemical quality of SO ₂											Please refer to the product test for sulphur dioxide
	(C) Chemical quality of steam	No product-transferable impurities										PRP No.8, No.9 and No.10. Chemical hazard is controlled by applying control procedures to the steam production process
	(P) (M) Operator-related and environmental contamination	No contamination										PRP No.25. Application of personnel code of conduct and facility inspection as per ASQ041

PRODUCT FILE No.3: SODIUM METABISULPHITE FROM SA3 - HAZARD ANALYSIS WORKSHEET (ref. para. 7.4)

Hazard identification, determining acceptability level, hazard assessment and selection and assessment of control measures

 Rev. 5
EXTRACT

4	(P) Small pieces from worn bucket elevator	No bucket damage	2	1	2	NO	/	/	/	/	/	PRP No.32. Elevator buckets in SA3 system must be checked regularly
5	(P) Metal pieces from vibrating screen and mill	No physical contamination										PRP No.33. Sorting screens are periodically checked for wear and tear
	(P) (M) Operator-related and environmental contamination	No contamination										PRP No. 25. Application of personnel code of conduct and facility inspection as per ASQ041
6												
7a (bags)	(P) Presence of ferromagnetic pollutants	No product-transferable impurities	3	2	6	YES	YES	NO	YES	YES	PRP op.	Physical hazard is controlled by implementing ASQ046 procedure. PRP op. No. 2
	(P) Presence of coarse system parts	Max 0.5% alarms or rejects on non-consecutive packages per batch, max no. 2 warning reports on consecutive packages	3	2	6	YES	YES	YES	/	/	CCP	CCP No. 4
7b (Big bags)	(P) Presence of coarse system parts	Max no. 2 warning reports on consecutive packages	3	2	6	YES	YES	YES	/	/	CCP	CCP No.5
8a and 8b	(P) Presence of abrasion residue from elevator buckets		1	2	2	NO						

PRODUCT FILE No.3: SODIUM METABISULPHITE FROM SA3
 PRP op. records (ref. para. 7.5 — Setting operational prerequisites) and
 relevant audit (ref. para. 7.8)

Rev. 5
 EXTRACT

Identification of PRP op.	PRP op. No.2
Process step	Production of sodium metabisulphite from SA3 – Step 7a – Packaging in bags
Hazard	Physical hazard
Source	Physical hazard from potential product contamination with ferromagnetic material
Monitoring activity and frequency	The magnets mounted on the anhydrous salt packaging systems must be controlled by applying the method and frequency stated in ASQ046 procedure
Corrective actions	Adoption of proper corrective actions to determine any faults or failures and define the remedies to this occurrence
Responsibility of monitoring and corrective actions	IP Production Manager/ Food Safety Management System Manager
Recording and filing	On audit records and reports
Monitoring record	Date Auditors Signatures R.A.C. Notes

<p align="center">PRODUCT FILE No.3: SODIUM METABISULPHITE FROM SA3 CCP Records (ref. para. 7.6 – Setting HACCP plan) and relevant audit (ref. para. 7.8)</p>	Rev. 5 EXTRACT
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Identification of CCP	CCP No.4
Process step	Production of sodium metabisulphite from SA3 – Step 7a – Packaging in bags
Hazard	Physical hazard
Source	Presence of metal pieces from broken system parts
Critical threshold	2.5 mm No. of rejected bags > 0.5% No. of consecutive rejected bags > 3
Monitoring activity and frequency	Continuous control
Corrective actions	Cause finding, segregation of the whole batch until the end of the audit process. Downgrade to NF (non-food) product
Responsibility of monitoring and corrective actions	IP Production Manager/ Food Safety Management System Manager
Recording and filing	On packing and release records
Minimum supervision activities	
1. Description of activity and frequency	1. Weekly validation (ferrous, non-ferrous and steel standard: 2.5 mm for all) and batch start and end check (steel standard: 2.5 mm), as per ASQ046 procedure
2. Responsibility	2. IP Production Manager
Scientific reference for the set threshold	N/A The highest possible sensitivity
Monitoring record	Date Auditors Signatures R.A.C. Notes

<p align="center">PRODUCT FILE No.3: SODIUM METABISULPHITE FROM SA3 CCP Records (ref. para. 7.6 – Setting HACCP plan) and relevant audit (ref. para. 7.8)</p>	Rev. 5 EXTRACT
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Identification of CCP	CCP No.5
Process step	Production of sodium metabisulphite from SA3 – Step 7a – Packaging in big bags
Hazard	Physical hazard
Source	Presence of metal pieces from broken system parts
Critical threshold	2.5 mm No. of alarms on the same big bag > 3 No. of alarms on no. 3 consecutive big bags > 3 No. of alarms on non-consecutive big bags > 5
Monitoring activity and frequency	Continuous control
Corrective actions	Cause finding, segregation of the whole batch until the end of the audit process. Downgrade to NF (non-food) product
Responsibility of monitoring and corrective actions	IP Production Manager/ Food Safety Management System Manager
Recording and filing	On packing and release records
Minimum supervision activities	
1. Description of activity and frequency	1. Weekly validation (ferrous, non-ferrous and steel standard: 2.5 mm for all) and batch start and end check (steel standard: 2.5 mm), as per ASQ046 procedure
2. Responsibility	2. IP Production Manager
Scientific reference for the set threshold	N/A The highest possible sensitivity
Monitoring record	Date Auditors Signatures R.A.C. Notes

January 1, 2022

TECHNICAL SERVICE
 Phone: 973 267 3330
 Fax: 973 267 8299



ALLERGENS STATEMENT

This is to certify that the NF/Food and Photo grade of sodium metabisulfite sold by Esseco USA is not processed with, does not come in contact with, and does not contain any of the following known allergens:

Artificial Sweeteners
Celery
Colorants
Dyes
Egg or Egg Products
Fish or Fish Products
Gluten (Wheat, Barley, Rye, or Oats)
Lactose
Latex
Lupin
Milk or Milk Products
Monosodium Glutamate (MSG)
Mustard (or its derivatives)
Peanuts or Peanut Products
Preservatives
Seeds or Seed Products (Buckwheat, Cotton, Poppy, Sesame, or Sunflower)
Shellfish (Crustacean or Molluscan) or Shellfish Products
Soy, Soybeans, or Soybean Products
Tree Nuts or Nut Products (Almond, Brazil, Cashew, Coconut, Hazelnut, Macadamia, Pecan, Pine, Pistachio, or Walnut)
Wheat or Wheat Products

This product does contain Sulfur Dioxide, which is an allergen, and is also considered a Sulfiting Agent.

January 1, 2024

TECHNICAL SERVICE
Phone: 973 267 3330
Fax: 973 267 8299



The Food Safety Management System of

Esseco S.r.l.

at

Via San Cassiano 99 - 28069 Trecate (NO) - ITALY

has been assessed and determined to comply with the requirements of

Food Safety System Certification 22000
FSSC 22000

Certification scheme for food safety management systems consisting of the following elements:
ISO 22000:2018, ISO/TS 22002-1:2009 and Additional FSSC 22000 requirements (version 5.1).

This certificate is applicable for the scope of:

Produzione (inclusi processi di sintesi, dissoluzione, essiccazione, filtrazione, miscelazione) e confezionamento in buste, taniche, giare, sacchi e big-bag di additivi e coadiuvanti tecnologici per l'enologia e il settore alimentare.

Production (including dissolving, drying, filtering, mixing) and packaging in pouches, cans, jars, bags and big-bags of additives and technological adjuvant for the oenological and food sectors.

Food Chain Subcategory: K

This audit included the following off-site activities at Via dell'Industria, 18 - 37060 Sona (VR) - ITALY:

Stoccaggio di prodotto finito.
Storage of finished products.

Certificate of registration number:	23986
Certification decision date:	06/12/2021
Initial certification date:	16/11/2012
Previous three years cycle expiring date:	15/11/2021
Certification Restoring Audit Date:	09/11/2021
Certification Restoring Decision Date:	06/12/2021
Issue date:	06/12/2021
Valid until:	15/11/2024

Authorized by:

The Chief Executive Officer
Dr. Pietro Bonato



Issued by CSQA Certificazioni S.r.l. – Via San Gaetano, 74 – 36016 Thiene (VI), ITALY

The authenticity of this certificate can be verified in the FSSC 22000 database of Certified Organizations available on www.fssc22000.com





Badatz Mehadrin Milano

Rabbi Avraham Hazan
Rabbinic Administrator, CEO
R' Betzalel Schutz
Technical Director

בד"צ מהדרין מילאנו

בס"ד

Rabbi Menachem Mendel Kaplan
Rabbi Levi Yitzchok Hazan
Rabbi Yosef Yitzchak Labi
Rabbi Menachem Mendel Springer

Kosher Certification - Passover

Milan 25 Adar I 5784
March 5, 2024

Spett.
Esseco Srl
Via S. Cassiano, 99
28069 S. Martino di Trecate (NO)

PAGE 3 OF 3

To the attention of the **Supervising Rabbi / Kashruth Agency**

ליום ודרכי

This is to certify that the following products:

AMMONIO BISOLFITO SOLUZIONE
AMMONIO BICARBONATO
ANIDRIDE SOLFOROSA LIQUIDA
SODIO METABISOLFITO
SODIO SOLFITO ANIDRO
SODIO BISOLFITO SOLUZIONE
SODIO TIOSOLFATO
SULFIMAG HFS: MAGNESIO BISOLFITO SOL.
POTASSIO BICARBONATO
POTASSIO CARBONATO SOLUZIONE 50%

Ammonium Bisulphite Solution
Ammonium Bicarbonate
Liquid Sulphur Dioxide
Sodium Metabisulphite
Sodium Sulphite Anhydrous
Sodium Bisulphite Solution
Sodium Thiosulphate
Magnesium Bisulphite Sol.
Bicarbonate Potassium
Carbonate Potassium 50% Solution

produced by **Esseco Srl**, S. Martino di Trecate (NO), Italy,

are **Kosher Parve for Passover**

הערה: ליום ודרכי

under our supervision,

Badatz Mehadrin Milan, Italy, Kashruth Division.

This certificate is valid until **March 31, 2025**
and is subject to renewal at that time.

ה' יום תלמי

Our best regards,
Rabbi Avraham Hazan



שלום אברהם שלי אתה ממש מברך
שהי אברהם אברהם שלי
מילאנו

COMPANY / AZIENDA / الشركة

Esseco S.r.l.

Via San Cassiano, 99 - 28069 San Martino di Trecate (NO) - Italy

ADDRESS OF THE PRODUCTION SITE / INDIRIZZO DEL SITO PRODUTTIVO / عنوان موقع الإنتاج

Via San Cassiano, 99 - 28069 San Martino di Trecate (NO) - Italy

COMMODITY TRADEMARK / MARCHIO COMMERCIALE DEL PRODOTTO / العلامة التجارية للمنتوج

ESSECO

PRODUCT / PRODOTTO / المنتج

Food Additive

SODIO METABISOLFITO / SODIUM METABISULFITE

SODIO SOLFITO / SODIUM SULFITE

SODIO BISOLFITO SOLUZIONE / SODIUM BISULFITE SOLUTION

AMMONIO BISOLFITO SOLUZIONE / AMMONIUM BISULFITE SOLUTION

SULFIMAG HFS / SULFIMAG HFS

ANIDRIDE SOLFOROSA / SULFUR DIOXIDE

AMMONIO BICARBONATO / AMMONIUM BICARBONATE

METABISOLFITO DI POTASSIO / POTASSIUM METABISULFITE

POTASSIO BICARBONATO

POTASSIO CARBONATO SOLUZIONE 50%

IT IS COMPLIANT TO THE FOLLOWING HALAL CERTIFICATION STANDARDS
È CONFORME AI SEGUENTI STANDARD DI CERTIFICAZIONE HALAL

موافيق لمعايير شهادة الحلال التالية

COREIS DTP HLL 02, UAE.S 2055-1, GSO 2055-1, OIC/SMIIC 1, MS 1500, MUIS SMHS

DATE FIRST ISSUE
DATA PRIMA EMISSIONE
تاريخ الإصدار الأول

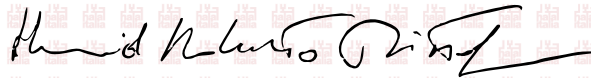
4 / 5 / 2022

DATE PRESENT ISSUE
DATA EMISSIONE CORRENTE
تاريخ الإصدار الحالي

22 / 4 / 2024

CERTIFICATE EXPIRY DATE
DATA SCADENZA CERTIFICATO
تاريخ إنتهاء الشهادة

3 / 5 / 2025



Hamid Roberto Distefano

CEO Halal Italia / Amministratore Delegato Halal Italia / شركة حلال إيطاليا / رئيس المؤسسة الإيطالية لشهادة الإسلامية





NUTRITIONAL VALUE OF SODIUM METABISULFITE

Unit of Measurement, 100 Grams

Ash:	32.6 g
Calcium:	1.0 mg
Calories:	0
Carbohydrates:	0 g
Cholesterol:	0 mg
Fat – Saturated:	0 g
Fat – Monounsaturated:	0 g
Fat – Polyunsaturated:	0 g
Fat – Trans:	0 g
Fat – Total:	0 g
Fiber:	0 g
Iron:	0.2 mg
Magnesium:	0.5 mg
Moisture:	< 0.1 g
Niacin:	0 mg
Phosphorus:	0 mg
Potassium:	0 mg
Protein:	0 g
Riboflavin:	0 mg
Sodium:	24211 mg
Sugars – Added:	0 g
Sugars – Total:	0 g
Thiamine:	0 mg
Vitamin A:	0 µg
Vitamin C:	0 µg
Vitamin D:	0 µg

January 1, 2024

TECHNICAL SERVICE
Phone: 973 267 3330
Fax: 973 267 8299



SODIUM METABISULFITE NF/FOOD AND PHOTO DATA PACKAGE REFERENCE DOCUMENTS

Certified Food Grade Guarantee	Page 2
Process Flow Chart	Page 3
Organizational Chart	Page 4
Bioterrorism Statement	Page 5
California Prop 65 Statement	Page 6
50 LB Package Label	Page 7
Supersack Label	Page 8



**GUARANTEE UNDER SECTION 303 (C) (2) OF THE
FEDERAL FOOD, DRUG, AND COSMETIC ACT**

FOR THE PURPOSE OF SECTION 303(C) (2) OF THE FEDERAL FOOD AND COSMETIC ACT, WE HEREBY GUARANTEE THAT, AS OF THE DATE OF EACH SHIPMENT BY US TO YOU OF ANY ARTICLE LISTED BELOW SUCH ARTICLE IS NOT, WHEN SHIPPED, ADULTERATED OR MISBRANDED WITHIN THE MEANING OF THE FEDERAL FOOD, DRUG, AND COSMETIC ACT OR OF ANY APPLICABLE STATE LAW IN WHICH THE DEFINITIONS OF ADULTERATION AND MISBRANDING ARE THE SAME AS THOSE CONTAINED IN THE FEDERAL FOOD, DRUG, AND COSMETIC ACT. WE FURTHER GUARANTEE THAT, AS OF THE DATE OF EACH SHIPMENT, NO SUCH ARTICLE IS AN ARTICLE WHICH MAY NOT, UNDER THE PROVISIONS OF SECTION 404 OR 505 OF THE FEDERAL FOOD, DRUG, AND COSMETIC ACT, BE INTRODUCED INTO INTERSTATE COMMERCE.

THIS GUARANTEE SHALL NOT EXTEND TO COVER THE RESPONSIBILITIES OF A DISTRIBUTOR IN SITUATIONS WHERE THE ARTICLE IS TRANSFERRED IN BULK OR IS REPACKAGED. MOREOVER, THIS GUARANTEE SHALL BE VOID AND OF NO EFFECT IN ANY INSTANCE WHERE THE PARTICULAR USE BY YOU OF ANY ARTICLE TO WHICH THIS GUARANTEE WOULD OTHERWISE APPLY IS A USE WHICH IS NOT IN ACCORDANCE WITH THE REQUIREMENTS OF THE FEDERAL FOOD, DRUG, AND COSMETIC ACT OR APPLICABLE STATE LAWS.

THIS GUARANTEE SHALL BE A CONTINUING GUARANTEE AND SHALL CONTINUE IN EFFECT FOR A PERIOD OF FIVE YEARS FROM THE DATE HEREOF, OR UNTIL SUCH EARLIER DATE AS YOU SHALL RECEIVE FROM US WRITTEN NOTICE OF THE REVOCATION OF THE GUARANTEE CONTAINED HEREIN OR A CHANGE IN FEDERAL REGULATION OCCURS.

PRODUCT	GRADE	CODE
SODIUM METABISULFITE	NF/FOOD and PHOTO	1NP04E

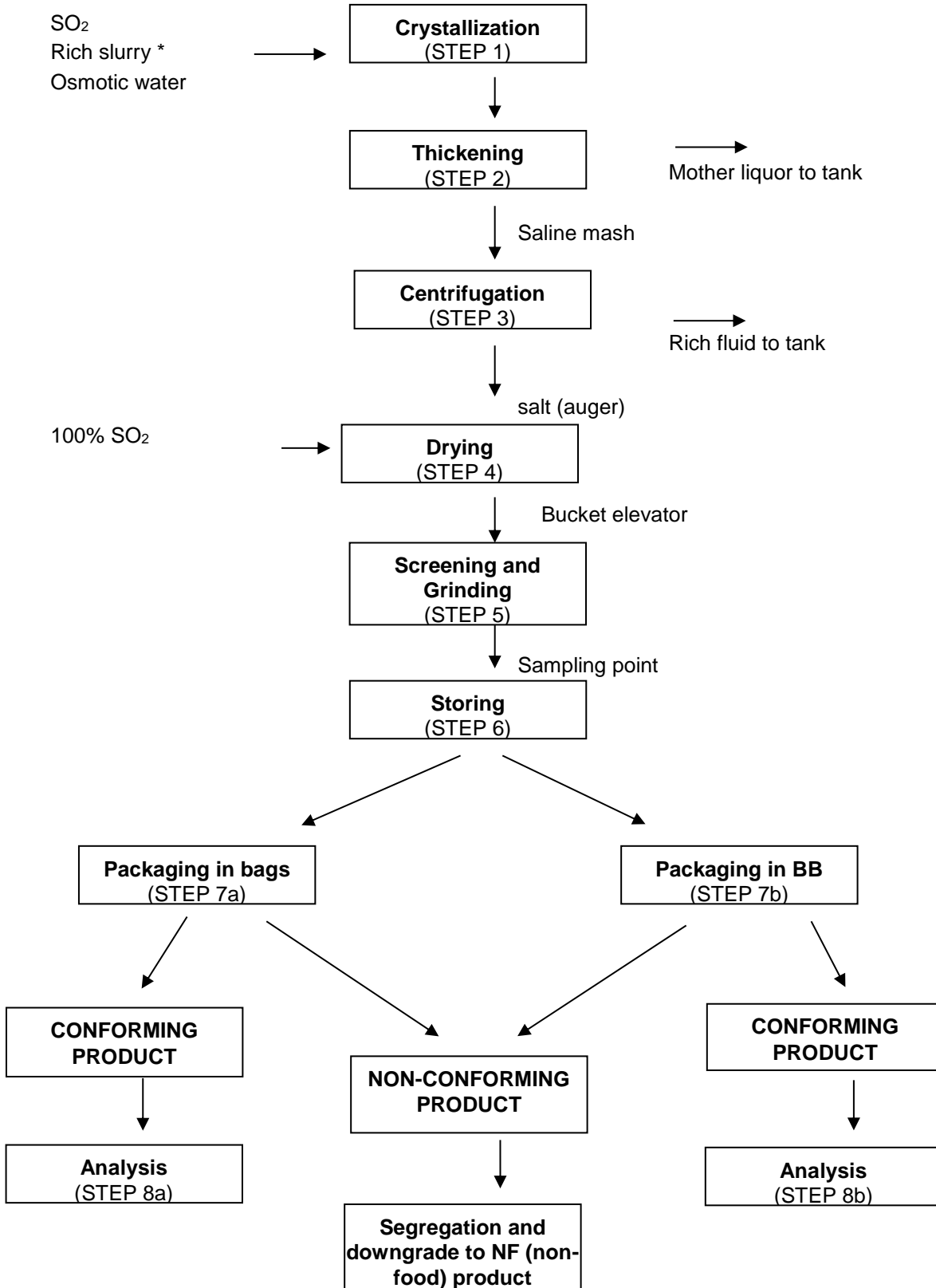
SIGNED: Charlie Dulik

TITLE: Technical Sales & Services
Engineer

DATE: January 1, 2024

PRODUCT FILE No.3: SODIUM METABISULPHITE FROM SA3
Flow Diagram (ref. para.7.3.5)

Rev. 5
EXTRACT



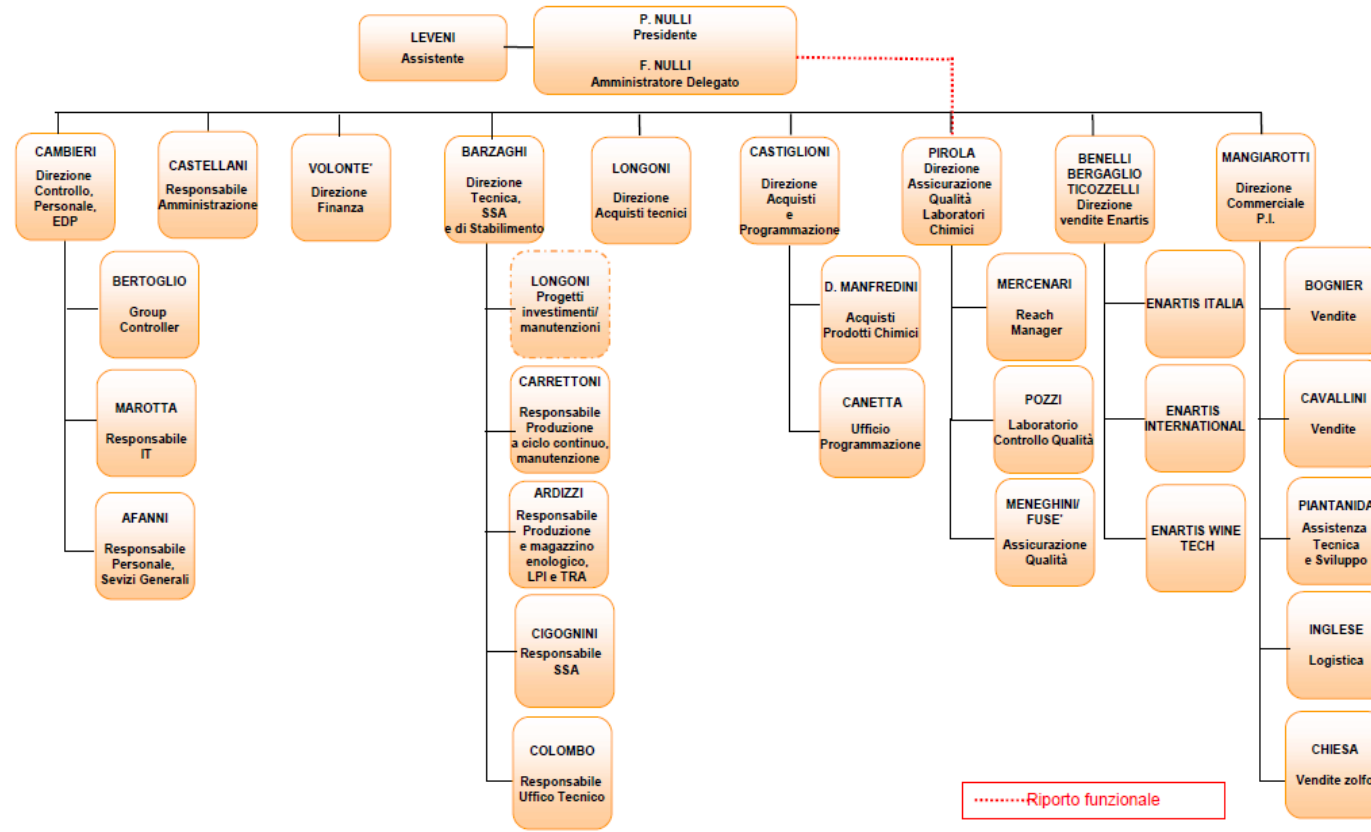
ESSECO GROUP OVERVIEW

TRECCATE PLANT

ORGANIGRAMMA

ESSECO srl

luglio 2021





To Whom It May Concern:

Thank you for your recent inquiry about our compliance with the FDA regulations related to the Public Health Security and Bioterrorism Preparedness and Response Act of 2002 (The Bioterrorism Act).

The events of September 11, 2001, highlighted the need to enhance the security of the infrastructure of the United States, including the food supply. Congress responded by enacting the Bioterrorism Act (Public Law 107-188), which was signed into law on June 12, 2002. The Bioterrorism Act includes a provision in Title III (Protecting Safety and Security of Food and Drug Supply), Subtitle A – Protection of Food Supply, Section 305, which requires the Secretary of Health and Human Services to develop a regulation to require domestic and foreign facilities that manufacture, process, pack, or hold food for consumption in the United States to register with FDA by December 12, 2003. Esseco USA LLC is in full compliance with Section 305.

The Bioterrorism Act also includes a provision in Title III (Protecting Safety and Security of Food and Drug Supply), Subtitle A – Protection of Food Supply, Section 307, which requires the Secretary of Health and Human Services to develop a regulation to require that FDA receive prior notice for food imported or offered for import into the United States. Esseco USA LLC is in full compliance with Section 307.

Finally, The Bioterrorism Act includes a provision in Title III (Protecting Safety and Security of Food and Drug Supply), Subtitle A – Protection of Food Supply, Section 306, which requires the Secretary of Health and Human Services to develop a regulation to established recordkeeping requirements for persons (excluding farms and restaurants) who manufacture, process, pack, transport, distribute, receive, hold, or import food to establish and maintain food records. Esseco USA LLC is in full compliance with Section 306.

WE HEREBY CERTIFY THAT OUR COMPANY HAS RECEIVED A REGISTRATION NUMBER FROM THE U.S.FDA REGISTRATION OF FOOD FACILITIES, AND COMPLIES WITH THE BIOTERRORISM ACT OF 2002.

FDA Registration Number 10290799032

Charlie Dulik
January 1, 2024



CALIFORNIA PROPOSITION 65 STATEMENT

The sodium metabisulfite sold by Esseco USA is not included in the December 18, 2020 listing of chemicals known to the state of California to cause cancer or birth defects or other reproductive harm.

January 1, 2024

TECHNICAL SERVICE
Phone: 973 267 3330
Fax: 973 267 8299

320mm

90mm

320mm

90mm



22.7kg

MÉTABISULFITE DE SODIUM

NF/FOOD AND PHOTO GRADE

CONTIENT MÉTABISULFITE DE SODIUM CAS 7681-57-4
Conforme au Food Chemicals Codex - Code 1NP04E-0050LB

AVERTISSEMENT

PEUT CAUSER DES REACTIONS ALLERGIQUES CHEZ CERTAINES PERSONNES ASTHMATIQUES OU SENSIBLES AUX SULFITES. EN CONTACT AVEC DES ACIDES, DE L'EAU OU DE LA GLACE, RÉAGIT EN DÉGAGEANT DES GAZ TOXIQUES DE BIOXYDE DE SOUFRE QUI PEUVENT ÊTRE NOCIFS S'ILS SONT INHALES.

L'UTILISATION DE CE PRODUIT DANS DES LIEUX MAL AÉRÉS PEUT ENTRAÎNER LA SUFFOCATION. NE PAS UTILISER DANS DES LIEUX SANS AÉRATION TELS QUE LES CALES DES BATEAUX DE PÊCHE, LES CHAMBRES FROIDES OU PIÈCES MAL AÉRÉS. UTILISER SEULEMENT DANS DES LIEUX BIEN AÉRÉS TELS QUE LES PONTS. NE JAMAIS UTILISER SOUS FORME DE POUDRE. TOUJOURS PRÉ-MÉLANGER LE PRODUIT DANS UN LIEU AÉRÉ. POUR UNE URGENCE AUX ÉTATS-UNIS ET CANADA, APPELEZ CHEMTREC 800-424-9300

AVANT D'UTILISER, CONSULTER LA FICHE DE DONNÉES DE SÉCURITÉ
EXCLUSIVEMENT POUR USAGE PROFESSIONNEL
CONTENU FABRIQUÉ EN ITALIE

Danger

Nocif en cas d'ingestion.

Provoque de graves lésions des yeux.

Se laver les mains soigneusement après manipulation.

Ne pas manger, boire ou fumer en manipulant ce produit.

Porter un équipement de protection des yeux.

EN CAS DE CONTACT AVEC LES YEUX: Rincer avec précaution à l'eau pendant plusieurs minutes. Enlever les lentilles de contact si la victime en porte et si elles peuvent être facilement enlevées. Continuer à rincer. Appeler immédiatement un centre antipoison ou un médecin.

EN CAS D'INGESTION: Appeler un centre antipoison ou un médecin en cas de malaise. Rincer la bouche.

Éliminer le contenu et récipient dans conformément à la réglementation locale, régionale et nationale.



PIM107 (R6-0519)

ESSECO USA LLC - 4 Gatehall Drive - Parsippany, NJ 07054- Tel 973-267-3330



22.7kg

MÉTABISULFITE DE SODIUM

NF/FOOD AND PHOTO GRADE

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EXCLUSIVEMENT POUR USAGE PROFESSIONNEL
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PIM107 (R6-0519)

ESSECO USA LLC - 4 Gatehall Drive - Parsippany, NJ 07054- Tel 973-267-3330

50 lbs

SODIUM METABISULFITE
NF/FOOD AND PHOTO GRADE



50 lbs

SODIUM METABISULFITE

NF/FOOD AND PHOTO GRADE

CONTAINS SODIUM METABISULFITE CAS 7681-57-4
Meets Food Chemicals Codex - Code 1NP04E-0050LB

ATTENTION

MAY CAUSE ALLERGIC REACTION IN ASTHMATICS AND SULFITE SENSITIVE INDIVIDUALS.

CONTACT WITH ACIDS, WATER OR ICE RELEASES SULFUR DIOXIDE GAS WHICH MAY BE HARMFUL IF INHALED.

USE OF THIS PRODUCT IN CONFINED SPACES MAY CAUSE SUFFOCATION. DO NOT USE IN UNVENTILATED AREAS SUCH AS IN THE HOLDS OF FISHING BOATS, WALK-IN COOLERS OR CONFINED SPACES. USE ONLY IN WELL-VENTILATED AREAS SUCH AS OPEN DECKS. NEVER USE IN DRY FORM. ALWAYS PREMIX IN VENTILATED AREA.

IN CASE OF AN EMERGENCY INVOLVING THIS PRODUCT IN THE USA OR CANADA CONTACT CHEMTREC 800-424-9300

BEFORE USING, READ THE SAFETY DATA SHEET FOR THIS CHEMICAL
FOR PROFESSIONAL USE ONLY
CONTENTS MADE IN ITALY

Danger

Harmful if swallowed.

Causes serious eye damage.

Wash hands thoroughly after handling.

Do not eat, drink or smoke when using this product.

Wear eye protection.

IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a poison center or doctor.

IF SWALLOWED: Call a poison center or doctor if you feel unwell.

Rinse mouth.

Dispose of contents and container in accordance with local, state, and federal regulations.



ESSECO USA LLC - 4 Gatehall Drive - Parsippany, NJ 07054- Tel 973-267-3330

50 lbs

SODIUM METABISULFITE
NF/FOOD AND PHOTO GRADE



50 lbs

SODIUM METABISULFITE

NF/FOOD AND PHOTO GRADE

CONTAINS SODIUM METABISULFITE CAS 7681-57-4
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ESSECO USA LLC - 4 Gatehall Drive - Parsippany, NJ 07054- Tel 973-267-3330

620mm



MÉTABISULFITE DE SODIUM
QUALITÉ NF/FOOD AND PHOTO

22.7kg



MÉTABISULFITE DE SODIUM
QUALITÉ NF/FOOD AND PHOTO

22.7kg



ARROW MUST POINT TOP



Certified to NSF/ANSI Standard 60
Maximum use Level 15 mg/l.
San Martino Treocate, Italy

SODIUM METABISULFITE

NF/FOOD AND PHOTO GRADE - Meets / Conforme au Food Chemicals Codex - Code: 1NP04E

CONTAINS SODIUM METABISULFITE / CONTIENT MÉTABISULFITE DE SODIUM CAS 7681-57-4

ATTENTION

MAY CAUSE ALLERGIC REACTION IS ASTHMATICS AND SULFITE SENSITIVE INDIVIDUALS. CONTACT WITH ACIDS, WATER OR ICE RELEASES SULFUR DIOXIDE GAS WHICH MAY BE HARMFUL IF INHALED. USE OF THIS PRODUCT IN CONFINED SPACES MAY CAUSE SUFFOCATION. DO NOT USE IN UNVENTILATED AREAS SUCH AS IN THE HOLDS OF FISHING BOATS, WALK-IN COOLERS OR CONFINED SPACES. USE ONLY IN WELL-VENTILATED AREAS SUCH AS OPEN DECKS. NEVER USE IN DRY FORM. ALWAYS PREMIX IN VENTILATED AREA. IN CASE OF AN EMERGENCY INVOLVING THIS PRODUCT IN THE UNITED STATES OR CANADA CONTACT CHEMTREC 800-424-9300

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BEFORE USING, READ THE SAFETY DATA SHEET FOR THIS CHEMICAL

FOR PROFESSIONAL USE ONLY

CONTENTS MADE IN ITALY

AVANT D'UTILISER, CONSULTER LA FICHE DE DONNÉES DE SÉCURITÉ

EXCLUSIVEMENT POUR USAGE PROFESSIONEL

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