Product Specification



Product Name: THIOMENTHONE NATURAL 5% IN ETHYL ALCOHOL

Vigon Code: 508107

CAS Number: MIXTURE FEMA Number: N/A

<u>Characteristic:</u> <u>Specification:</u>

Odor STRONG, PUNGENT ODOR.

Color/appearance COLORLESS LIQUID.

Additional Product Information:

Flash Point: 63 °F Shelf Life: 24 Months

Storage Conditions: Stable when stored in its original package, tightly sealed in a

cool (46-90°F) and dry location out of direct heat and light.

Effective Date: November 1, 2017

Printed Date: January 8, 2021



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1. IDENTIFICATION

Product Description: THIOMENTHONE NATURAL 5% IN ETHYL ALCOHOL

CAS # MIXTURE

Other means of identification

Vigon Item # 508107

Recommended use Concentrated flavor ingredient which may be used in flavor compounds according to legal and

FEMA GRAS/FDA guidelines.

Recommended restrictions For Manufacturing Use Only

<u>Company</u> <u>24 Hour Emergency Response Information</u>

Vigon International, Inc. INFOTRAC (ACCT# 78928);

127 Airport Road 1-800-535-5053 WITHIN THE U.S.A. 1-352-323-3500 OUTSIDE THE U.S.A.

E. Stroudsburg, PA 18301

For information call: 570-476-6300

Web Site: www.vigon.com

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name Vigon International, Inc.
Address 127 Airport Road

E. Stroudsburg, PA 18301

United States

Telephone For information call: 570-476-6300

Website www.vigon.com E-mail Not available.

Emergency phone number INFOTRAC (ACCT# 78928);

1-800-535-5053 WITHIN THE U.S.A. 1-352-323-3500 OUTSIDE THE U.S.A.

2. HAZARD(S) IDENTIFICATION

Physical hazardsFlammable liquidsCategory 2Health hazardsSerious eye damage/eye irritationCategory 2

Sensitization, skin Category 1

Specific target organ toxicity, single

exposure

Specific target organ toxicity, single Category 3 narcotic effects

exposure

Environmental hazards Hazardous to the aquatic environment,

acute hazard

Category 2

Category 3 respiratory tract irritation

Hazardous to the aquatic environment,

long-term hazard

Category 2



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Label elements



Signal word Danger

Hazard statement Highly flammable liquid and vapor.

Precautionary statement

Prevention Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Wear protective gloves/protective clothing/eye protection/face

protection.

Response IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Take

off contaminated clothing and wash it before reuse. In case of fire: Use appropriate media to

extinguish.

Storage Store in a well-ventilated place. Keep cool.

Disposal Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise

classified (HNOC)

None known.

Supplemental information None.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixtures

| Chemical name | Common name and synonyms | CAS number | % |
|------------------------|--|------------|----------|
| ETHYL ALCOHOL | ethanol ethyl hydroxide 1-hydroxyethane methyl carbinol | 64-17-5 | 90 - 100 |
| P-MENTHA-8-THIOL-3-ONE | 8- thiomenthone 8- mercapto-para-menthane-3- 5-methyl-2-(2-sulfanylpropan-2-yl)cyclohe xan-1-one Cyclohexanone, 2-(1-mercapto-1-methylethyl)-5-methyl- 2-(1-Mercapto-1-methylethyl)-5-methylcyc lohexan-1-one P-MENTHA-8-THIOL-3-ONE | 38462-22-5 | 5 - < 10 |

4. FIRST-AID MEASURES

Inhalation If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.

For breathing difficulties, oxygen may be necessary. Call a physician if symptoms develop or

persist.

Skin contact Take off immediately all contaminated clothing. Get medical attention if irritation develops and

persists. Wash skin thoroughly with soap and water for several minutes.



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Eye contact Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and

persists. Promptly wash eyes with plenty of water while lifting the eye lids.

Ingestion Call a physician or poison control center immediately. If swallowed, rinse mouth with water (only if

the person is conscious). Do not induce vomiting. If vomiting occurs, the head should be kept low

so that stomach vomit doesn't enter the lungs.

Most important

symptoms/effects, acute and

delayed

Indication of immediate medical attention and special treatment

needed

General information

Not available.

Ensure that medical personnel are aware of the material(s) involved, and take precautions to

protect themselves. Show this safety data sheet to the doctor in attendance.

Headache. Direct contact with eyes may cause temporary irritation. Coughing.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media Water spray, fog, CO2, dry chemical, or alcohol resistant foam.

Unsuitable extinguishing media Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from

the chemical

Fire may produce irritating, corrosive and/or toxic gases.

Special protective equipment

and precautions for firefighters

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Structural firefighters protective clothing will only provide limited protection. Wear self-contained breathing apparatus with a full

facepiece operated in the positive pressure demand mode when fighting fires.

Fire fighting

equipment/instructions

In case of fire and/or explosion do not breathe fumes. Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. Water runoff can cause environmental damage. Ventilate closed spaces before entering them. Keep run-off water out of sewers and water sources. Dike for water control.

Specific methods Use water spray to cool unopened containers.

General fire hazards Static charges generated by emptying package in or near flammable vapor may cause flash fire.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Avoid contact with skin or inhalation of spillage, dust or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Eliminate all sources of ignition.



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Methods and materials for containment and cleaning up

Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb with inert absorbent such as dry clay, sand or diatomaceous earth, commercial sorbents, or recover using pumps.

This product is miscible in water.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Prevent product from entering drains. Absorb in vermiculite, dry sand or earth and place into containers.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills in original containers for re-use. This material and its container must be disposed of as hazardous waste. Collect and dispose of spillage as indicated in section 13 of the SDS.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid release to the environment. Retain and dispose of contaminated wash water. Contact local authorities in case of spillage to drain/aquatic environment.

7. HANDLING AND STORAGE

Precautions for safe handling

Do not handle or store near an open flame, heat or other sources of ignition. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Avoid breathing vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Keep container closed. Handle containers with care. Open slowly in order to control possible pressure release. Store in a cool, well-ventilated area.

Value

1900 mg/m3

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits

ETHYL ALCOHOL (CAS

Components

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

| ETHYL ALCOHOL (CAS 64-17-5) | PEL | 1900 mg/m3 | |
|---|------|------------|--|
| | | 1000 ppm | |
| US. ACGIH Threshold Limit Values | | | |
| Components | Туре | Value | |
| ETHYL ALCOHOL (CAS 64-17-5) | STEL | 1000 ppm | |
| US. NIOSH: Pocket Guide to Chemical Hazards | | | |
| Components | Type | Value | |

64-17-5) 1000 ppm

REL

Type



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US. NIOSH: Pocket Guide to Chemical Hazards

Components Value Type

> **TWA** 1900 mg/m3

> > 1000 ppm

Biological limit values No biological exposure limits noted for the ingredient(s).

Appropriate engineering controls Use explosion-proof ventilation equipment to stay below exposure limits. Adequate ventilation

should be provided so that exposure limits are not exceeded.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles). Face shield is recommended.

Skin protection

Hand protection Chemical resistant gloves.

Other Use of an impervious apron is recommended.

Respiratory protection Respiratory protection not required. If ventilation is insufficient, suitable respiratory protection must

be provided.

Thermal hazards Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations When using do not smoke. Always observe good personal hygiene measures, such as washing

after handling the material and before eating, drinking, and/or smoking. Routinely wash work

clothing and protective equipment to remove contaminants.

9. PHYSICAL AND CHEMICAL PROPERTIES

Refer to Spec Sheet **Appearance**

Physical state Liquid. **Form** Liquid.

Refer to Spec Sheet Color

Odor Characteristic. Odor threshold Not available. Not available. pН

-173.2 °F (-114 °C) Melting point/freezing point Initial boiling point and boiling 172.4 °F (78 °C)

range

Flash point 63.0 °F (17.2 °C) Closed Cup

Evaporation rate Not available. Flammability (solid, gas) Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower Not available.

(%)

Flammability limit - upper

Not available.

Explosive limit - lower (%) Not available. Explosive limit - upper (%) Not available.

Vapor pressure 44.6 mm Hg at 25 °C



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Vapor density 1.59

Relative density Not available.

Solubility(ies)

Solubility (water) Soluble

Partition coefficient Not available.

(n-octanol/water)

Auto-ignition temperature 685 °F (362.78 °C)

Decomposition temperatureNot available. **Viscosity**Not available.

Other information

Density 0.79 g/cm3 estimated at 20 °C

24.7 kJ/g

Dynamic viscosity 0.5 mPa.s (158 °F (70 °C))

Explosive properties Not explosive.

Flammability class Flammable IB estimated

Heat of combustion (NFPA

30B)

Kinematic viscosity 0.6389 mm²/s estimated

Molecular formulaC2-H6-OMolecular weight46.07 g/molOxidizing propertiesNot oxidizing.Specific gravity0.79 at 25 °C

Surface tension 22.75 mN/m (68 °F (20 °C))

10. STABILITY AND REACTIVITY

Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous No dangerous reaction known under conditions of normal use.

reactions

Conditions to avoid Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the

flash point. Contact with incompatible materials.

Incompatible materials Strong oxidizing agents.

Hazardous decomposition No hazardous decomposition products if stored and handled as indicated.

products

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation Prolonged inhalation may be harmful.

Skin contact

No adverse effects due to skin contact are expected.

Eye contact

Direct contact with eyes may cause temporary irritation.

Ingestion Expected to be a low ingestion hazard.



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Symptoms related to the

Headache. Coughing.

physical, chemical and toxicological characteristics

Information on toxicological effects

Acute toxicity

Components Species Test Results

ETHYL ALCOHOL (CAS 64-17-5)

Acute

Dermal

LD50 Rabbit > 15800 mg/kg

Inhalation

Respiratory or skin sensitization

LC50 Rat 124.7 mg/l

Oral

LD50 Rat 6.2 g/kg

Skin corrosion/irritation Prolonged skin contact may cause temporary irritation.

Serious eye damage/eye Direct contact with eyes may cause temporary irritation.

irritation

auon

Respiratory sensitization Not a respiratory sensitizer.

Skin sensitization This product is not expected to cause skin sensitization.

Germ cell mutagenicityNo data available to indicate product or any components present at greater than 0.1% are

mutagenic or genotoxic.

Carcinogenicity

IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not available.

Reproductive toxicity

This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity -

single exposure

Not classified.

Specific target organ toxicity -

repeated exposure

Not classified.

Aspiration hazard Not an aspiration hazard.

Chronic effects Prolonged inhalation may be harmful.



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12. ECOLOGICAL INFORMATION

EcotoxicityThe product is not classified as environmentally hazardous. However, this does not exclude the

possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence and degradability No data is available on the degradability of any ingredients in the mixture.

Bioaccumulative potential No data available.

Mobility in soil No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation

potential, endocrine disruption, global warming potential) are expected from this component.

13. DISPOSAL CONSIDERATIONS

Disposal instructionsDo not discharge into drains, water courses or onto the ground. Do not allow this material to drain

into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or

used container. Dispose of contents/container in accordance with

local/regional/national/international regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code Not established.

Waste from residues / unused

products

Empty containers or liners may retain some product residues. This material and its container must

be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is

emptied. Empty containers should be taken to an approved waste handling site for recycling or

disposal.

14. TRANSPORT INFORMATION

ADN

UN number 1170

UN proper shipping name ETHANOL SOLUTION

Transport hazard class(es) 3
Subsidiary class(es) Packing group II
Environmental hazards No
Labels required 3

ADR

UN number 1170

UN proper shipping name ETHANOL SOLUTION

Transport hazard class(es) 3
Subsidiary class(es) Packing group II
Environmental hazards No
Labels required 3

RID

UN number 1170

UN proper shipping name ETHANOL SOLUTION

Transport hazard class(es) 3
Subsidiary class(es) Packing Group ||



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Environmental Hazards No **Labels required** 3

Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

DOT

BULK

UN number 1170

Proper shipping name ETHANOL SOLUTION

Hazard class 3
Packing group II

Environmental hazards

Marine pollutant No Labels required 3

DOT

NON-BULK

UN number 1170

Proper shipping name ETHANOL SOLUTION

Hazard class 3
Packing group II

Environmental hazards

Marine pollutant No Labels required 3

IATA

UN number 1170

UN proper shipping name ETHANOL SOLUTION

Transport hazard class(es) 3
Subsidiary class(es) Packing group II
Environmental hazards No
Labels required 3

IMDG

UN number 1170

UN proper shipping name ETHANOL SOLUTION

Transport hazard class(es) 3
Subsidiary class(es) Packing group II
Environmental hazards

Marine pollutant No Labels required 3

Transport in bulk according

to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.



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ADN; ADR; DOT BULK; DOT NON-BULK; IATA; IMDG; RID



15. REGULATORY INFORMATION

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication

Standard, 29 CFR 1910.1200.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

SARA 304 Emergency release notification

Not regulated.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not available.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

Classified hazard Flammable (gases, aerosols, liquids, or solids)

categories Serious eye damage or eye irritation

Respiratory or skin sensitization

Hazard not otherwise classified (HNOC)

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act

Not regulated.

(SDWA)

US state regulations

California Proposition 65

California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Not listed.



On inventory (yes/no)*

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Inventory name

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International Inventories

Country(s) or region

| Australia | Australian Inventory of Chemical Substances (AICS) | Yes |
|-----------------------------|--|-----|
| Canada | Domestic Substances List (DSL) | Yes |
| Canada | Non-Domestic Substances List (NDSL) | No |
| China | Inventory of Existing Chemical Substances in China (IECSC) | Yes |
| Europe | European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes |
| Europe | European List of Notified Chemical Substances (ELINCS) | No |
| Japan | Inventory of Existing and New Chemical Substances (ENCS) | No |
| Korea | Existing Chemicals List (ECL) | No |
| New Zealand | New Zealand Inventory | Yes |
| Philippines | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | Yes |
| Taiwan | Taiwan Toxic Chemical Substances (TCS) | No |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes |
| | | |

^{*}A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

 Issue date
 10-31-2017

 Revision date
 10-31-2017

Version # 01

HMIS® ratings Health: 2*

Flammability: 3 Physical hazard: 0

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).



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Disclaimer

Vigon International, Inc. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available. The above information relates only to this product and not to its use in combination with any other material or any particular process and is designed only as guidance for the safe handling, use, processing, storage, transportation, and disposal and should not be considered as a guarantee or quality specification. This product has not been evaluated for safe use in e-cigarettes or any vaping application where the product(s) is/are intentionally vaporized and inhaled. Vigon International, Inc. has performed no testing on these products in e-cig/vaping applications. It is the sole responsibility of the individual(s) purchasing this product to assess its' safety in the final application. The above information relates only to this product and not to its use in combination with any other material or any particular process and is designed only as guidance for the safe handling, use, processing, storage, transportation, disposal, and should not be considered as a guarantee or quality specification. The above information is based on data provided by and collected from recognized sources such as distributors, manufacturers, and technical groups and is considered to be accurate to the best of Vigon's knowledge as of the date of this document. It is the responsibility of the user to review all safety information about this product and determine its safety and suitability in their own processes and operations. Appropriate warnings and safe handling procedures should be provided to all handlers and users, taking into account the intended use and the specific conditions and factors relating to such use in accordance with all applicable laws and regulations.



Date: January 7, 2021 כ"ג בְּטָבֵת תשפ"א Kof-K ID: K-0000507 Certificate ID: 0HU8E-CVILL Product Count: 1





This certificate is valid through

12/31/2021

VIGON INTERNATIONAL, INC

127 AIRPORT RD. EAST STROUDSBURG, PA 18301 UNITED STATES

The following product(s) Manufactured By VIGON INTERNATIONAL, INC are certified kosher with the listed restrictions.

| Product Code | Product Name | Status | Restriction | UKD# |
|--------------|--|--------|-----------------------|-------------|
| 508107 | Thiomenthone Natural 5% in Ethyl Acetone | Parve | Kof-K symbol required | KFFLRL0GIMU |



To verify or for the most up to date certificate please go to www.koshercertificate.com 201 The Plaza, Teaneck, NJ 07666 | Phone 201.837.0500 | fax 201.837.0126



Food Grade Certification



Product Name: THIOMENTHONE NATURAL 5% IN ETHYL ALCOHOL

Vigon Code: 508107

FEMA #: N/A

Vigon International, Inc. certifies that the above flavor or ingredient is FDA/FEMA GRAS. We would like to assure you that we use only flavor ingredients that are listed as being generally recognized as safe (GRAS) on a reliable published industry association (FEMA) list and/or are approved for use in a regulation of the U.S. Food and Drug Administration. We hereby certify that this flavor or ingredient is safe for its intended use in food.

Vigon International, Inc. may terminate this certification at any time upon written notice in which this certification shall be null and void as to any material supplied after termination of the certification.

Sincerely,

Amanda Moyer

Product Documentation Coordinator

Date of Issue: January 8, 2021

US - Natural Status Certificate



Product Name: THIOMENTHONE NATURAL 5% IN ETHYL ALCOHOL

Vigon Code: 508107

Vigon International, Inc. certifies that the product listed above is declared *natural* and *meets* the criteria of Naturalness as defined in Section 101.22 (a) (3) of Title 21 of the United States Code of Federal Regulations.

Vigon International, Inc. certifies that the product meets the following criteria:

- Does not contain any artificial flavors
- Is not adulterated or misbranded according to Food and Drug laws

Vigon International, Inc. may terminate this certification at any time upon written notice, in which this certification shall be null and void as to any material supplied after termination of the certification.

Sincerely,

Amanda Moyer

Product Documentation Coordinator

Date of Issue: January 8, 2021





Product Name: THIOMENTHONE NATURAL 5% IN ETHYL ALCOHOL

Vigon Code: 508107

* A check mark (indicates the Allergen/Sensitive Agent is present. If blank it means that there is no Allergen/Sensitive present.

| ALLERGEN/SENSITIVE AGENTS | * |
|---|---|
| CORN & CORN PRODUCTS | |
| Includes modified starch, hydrolyzed protein,sweeteners,sugars, spice carriers | |
| EGG & EGG PRODUCTS | |
| liquid and powders | |
| FISH | |
| Includes any and all species of fresh and salt water fish | |
| GARLIC | |
| Dehydrated, powdered, granules, and flakes | |
| GLUTEN | |
| Wheat, rye, barley, oats, flour, etc. | |
| MILK & DAIRY PRODUCTS | |
| Includes whey, lactose, cheese, casein, spice carriers, milk, cream, etc. | |
| MONOSODIUM GLUTAMATE | |
| PEANUTS, PEANUT OIL & PEANUT DERIVED ITEMS | |
| Peanut meal, flour & ground nuts, szechwan sauce, mandelona nuts, etc. | |
| SESAME SEEDS & SESAME OIL | |
| CRUSTACEANS | |
| Shrimp, lobster, rock lobster, crab, crayfish, and products made from them | |
| MOLLUSKS | |
| Clams, mussels, oysters, scallops, and products made from them | |
| SOY | |
| Includes soya powder, protein, oil, lecithin, tofu | |
| SULFITES Includes sulfur dioxide, sodium dithionite, chemicals that lists sulfite, etc. | |
| TREE NUTS | |
| Includes almonds, beechnuts, bazil nuts, nutmeg, cashews, chestnuts, etc. | |
| WHEAT | |
| Includes hydrolyzed wheat protein, flour, gluten flour, starches | |
| MUSTARD & MUSTARD OIL | |
| LUPIN | + |
| CELERY | 1 |
| | |

Vigon International, Inc. follows Good Manufacturing Practices and has implemented HACCP systems. Our personnel are trained on the proper handling of allergenic materials. Sincerely,

Amanda Moyer

Amanda Moyer

Product Documentation Coordinator

Date of Issue: January 8, 2021

GMO Status Statement



Product Name: THIOMENTHONE NATURAL 5% IN ETHYL ALCOHOL

Vigon Code: 508107

Vigon International, Inc. declares that the product listed above is not derived from or produced using genetically modified organisms or their derivatives.

Sincerely,

Amanda Moyer

Product Documentation Coordinator

Date of Issue: January 8, 2021

Irradiation and Sewage Sludge Statement



Product Name: THIOMENTHONE NATURAL 5% IN ETHYL ALCOHOL

Vigon Code: 508107

Vigon International, Inc. declares that the product listed above has **not** been:

- a) Exposed to Ionizing Radiation
- b) Derived from Sewage Sludge
- c) Treated with Ethyl Oxide

Vigon International, Inc. may terminate this statement at any time upon written notice in which this statement shall be null and void as to any material supplied after termination of the statement.

Sincerely,

Amanda Moyer

Product Documentation Coordinator

Date of Issue: January 8, 2021

Heavy Metals and Pesticide Statement



Product Name: THIOMENTHONE NATURAL 5% IN ETHYL ALCOHOL

Vigon Code: 508107

Vigon International, Inc. declares that, to the best of our knowledge and belief, all ingredients in the product listed above are listed as being generally recognized as safe (GRAS) by the Food and Drug administration (FDA) when used in accordance with the FDA's good manufacturing practices (GMP) and contain no residues of heavy metals and pesticides in excess of tolerances set by the FDA and the Environmental Protection Agency (EPA).

Sincerely,

Amanda Moyer

Product Documentation Coordinator

Date of Issue: January 8, 2021

Stabilizer Statement



Product Name: THIOMENTHONE NATURAL 5% IN ETHYL ALCOHOL

Vigon Code: 508107

Vigon International, Inc. declares that, to the best of our knowledge that the product listed above has not been treated with BHT, BHA, Tocopherols or any other stabilizer.

Vigon International, Inc. may terminate this statement at any time upon written notice in which this statement shall be null and void as to any material supplied after termination of the statement.

Sincerely,

Amanda Moyer

Product Documentation Coordinator

Date of Issue: January 8, 2021

Continuing Product Guarantee



Product Name: THIOMENTHONE NATURAL 5% IN ETHYL ALCOHOL

Vigon Code: 508107

In accordance with the regulations promulgated under the Federal Food, Drug, and Cosmetic Act, Vigon International, Inc. hereby provides continuing guarantee for the item listed above.

The article(s) comprising each shipment or other delivery hereafter made by Vigon International, Inc. is hereby guaranteed, as of the date of shipment or delivery, to be, on such date, not adulterated or misbranded within the meaning of the Federal Food, Drug, and Cosmetic Act, and not an article which may not, under the provisions of section 404, 505, or 512 of the act, be introduced into interstate commerce.

The guarantee herein given shall be a continuing guarantee and shall remain in full force and effect until revoked in writing by the undersigned. This guarantee shall not limit or preclude the operation and effect of any and all provisions of any agreement(s) under which the articles covered by this guarantee are sold, and the provisions of such agreement(s) shall govern in the event of any conflict or inconsistency herewith. Supplier's liability for breach of this guarantee shall in no event exceed the value of such of the articles of the supplier shipped to or on the order of Purchaser hereunder as may fail to comply with this guarantee.

This guarantee shall be void and of no effect in any instance where the particular use by Purchaser 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. Any and all prior guarantees and/or indemnity agreements heretofore given by supplier, are hereby revoked.

Sincerely,

Amanda Moyer

Product Documentation Coordinator

Date of Issue: January 8, 2021

Dietary Preferences & Restrictions



Product Name: THIOMENTHONE NATURAL 5% IN ETHYL ALCOHOL

Vigon Code: 508107

Vigon International, Inc. certifies that the product listed above is suitable for consumption by:

| Vegans Do not eat meat, poultry, fish/seafood,eggs,dairy products, honey | |
|---|---|
| Lacto-Vegetarians Do not eat meat, poultry, fish/seafood, eggs, but do eat dairy products | • |
| Ovo-Vegetarians Do not eat meat, poultry, fish/seafood, dairy products, but do eat eggs | |
| Vegetarians Do not eat meat, poultry, fish/seafood, but do eat dairy products and eggs | |

Sincerely,

Amanda Moyer

Product Documentation Coordinator

Date of Issue: January 8, 2021

Animal Testing Statement



Product Name: THIOMENTHONE NATURAL 5% IN ETHYL ALCOHOL

Vigon Code: 508107

Vigon International, Inc. is not in the practice of performing or commissioning animal testing on its finished products and actively evaluates the ingredients of its products through non-animal testing methods and through computational (predictive) toxicology programs. However, some ingredients used in our products have been subjected to animal testing by the academic community, government agencies, or within the chemical industry.

Sincerely,

Amanda Moyer

Product Documentation Coordinator

Date of Issue: January 8, 2021

Nanomaterials



Product Name: THIOMENTHONE NATURAL 5% IN ETHYL ALCOHOL

Vigon Code: 508107

We hereby confirm, to the best of our knowledge, that the above referenced product has not been formulated with engineered nanomaterials.

"Engineered nanomaterial" means any intentionally producted material that has one or more dimensions of the order of 100 nm or less or that is composed of discrete functional parts, either internally or at the surface, many of which have one or more dimensions of the order of 100 nm or less, including structures, agglomerates or aggregates, which may have a size above the order of 100nm but retain properties that are characteristic of the nanoscale.

Transmissible Spongiform Encephalopathy (TSE) and Bovine



Spongiform Encephalopathy (BSE) Statement

Product Name: THIOMENTHONE NATURAL 5% IN ETHYL ALCOHOL

Vigon Code: 508107

Vigon International, Inc. products are manufactured wholly from synthetic, natural or manufactured materials and do not contain any raw materials produced from or substances derived of animal origin. Moreover, these products do not contain, and are not derived from, specified risk material as defined in Commission Decision 97/534/EC or mechanically recovered meat obtained from the vertebral column of bovine, ovine or caprine animals.

The manufacturing process does not use any ingredient of animal origin nor do our products come in contact with animal products during storage and transportation.

We further declare that our products are Dioxin Free.

Therefore, to the best of our knowledge the product listed above are free from Transmissible Spongiform Encephalopathy (TSE) and Bovine Spongiform Encephalopathy (BSE).

Vigon International, Inc. may terminate this statement at any time upon written notice, in which this statement shall be null and void as to any material supplied after termination of the statement.

International Inventories



Yes

Product Name: THIOMENTHONE NATURAL 5% IN ETHYL ALCOHOL

United States & Puerto Rico Toxic Substances and Control Act (TSCA) Inventory

Vigon Code: 508107

On inventory (yes/no)* Country(s) or region Inventory name Australia Australian Inventory of Chemical Substances (AICS) Yes Canada Domestic Substances List (DSL) Yes China Inventory of Existing Chemical Substances in Chine (IECSC) Yes European Inventory of Existing Commercial Chemical Substances Europe Yes (EINECS) Invntory of Existing and New Chemical Substances (ENCS) No Japan Korea Existing Chemicals List (ECL) No Yes **New Zealand Inventory** New Zealand Philippines Philippine Inventory of Chemicals and Chemical Substances Yes (PICCS)

Residual Solvents



Product Name: THIOMENTHONE NATURAL 5% IN ETHYL ALCOHOL

Vigon Code: 508107

Based on our knowledge of our production process, raw materials and equipments used we do not expect residual solvents to be present.

Melamine Statement



Product Name: THIOMENTHONE NATURAL 5% IN ETHYL ALCOHOL

Vigon Code: 508107

Based on our knowledge of our production process, raw materials and equipment used we do not expect melamine to be present.

Phthalate Statement



Product Name: THIOMENTHONE NATURAL 5% IN ETHYL ALCOHOL

Vigon Code: 508107

We've performed a risk assessment on our product contact plastics which include tubes, joints, caps, pumps, as well as packaging (e.g. plastic wraps and bags) and can confirm that our plastic products do not contain certain phthalate esters (most notably bis-2-Ethylhexyl phthalate[DEHP] and dibutyl phthalate [DBP]).

EU Fragrance Allergen Statement



Product Name: THIOMENTHONE NATURAL 5% IN ETHYL ALCOHOL

Vigon Code: 508107

The product listed above is in compliance with the European Directive 76/768/EEC established by the SCCNFP declared allergens. This product is free of these fragrance allergens.

IFRA



Product Name: THIOMENTHONE NATURAL 5% IN ETHYL ALCOHOL

Vigon Code: 508107

- Is not restricted as such according to the Standards of the International Fragrance Association (IFRA) (up to and including the 49th amendment)
- Bears no IFRA specifications

The IFRA Standards regarding use restriction are based on safety assessments by the Panel of Experts of the Research Institute for Fragrance Materials (RIFM) and are enforced by the IFRA Scientific Committee.

It is the ultimate responsibility of our customer to ensure the safety of the final product by further testing if need be.