

# Safety Data Sheet (SDS) Statement

Vigon International, Inc. recently changed our item numbering system. We are still in the process of transitioning our Safety Data Sheets to our new product code so in the interim we wanted to provide you with the below to avoid any confusion.

Product Description: BLACK AGAR GIVCO 215

Old Vigon Code: B-010049

New Vigon Code: 502104

We apologize for the inconvenience. If you have any questions or concerns, please email regulatory@vigon.com.

Sincerely,

Felicia Perryman Director of Quality

Date: October 7, 2015



## 502104 BLACK AGAR GIVCO 215

Revision Date: 06-15-2015 Page 1 of 12

Version # 01 Print Date: 06-15-2015

1. IDENTIFICATION

Product Description: BLACK AGAR GIVCO 215

CAS # MIXTURE

Other means of identification

Vigon Item # 502104

Recommended use Concentrated aromatic ingredient which may be used fragrance compounds according to legal and

IFRA 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

#### 2. HAZARD(S) IDENTIFICATION

Physical hazards Not classified.

Health hazards Skin corrosion/irritation Category 3

Sensitization, skin Category 1
Aspiration hazard Category 1
Hazardous to the aquatic environment, Category 2

Environmental hazards Hazardous to the aquatic environment,

acute hazard

Hazardous to the aquatic environment, Category 2

long-term hazard

Label elements



Signal word Danger

Hazard statement

H304 May be fatal if swallowed and enters airways.

H316 Causes mild skin irritation.

H317 May cause an allergic skin reaction.

H401 Toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statement

Prevention

P261 Avoid breathing mist or vapor.

P272 Contaminated work clothing should not be allowed out of the workplace.

P273 Avoid release to the environment.



# 502104 BLACK AGAR GIVCO 215

Revision Date: 06-15-2015 Page 2 of 12

Version # 01 Print Date: 06-15-2015

P280	Wear protective gloves.
Response	
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P302 + P352	IF ON SKIN: Wash with plenty of water.
P331	Do NOT induce vomiting.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P391	Collect spillage.
Storage	
P405	Store locked up.
Disposal	
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	17.6% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 12.1% of the mixture consists of component(s) of unknown long-term hazards to the

aquatic environment.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Mixtures

Chemical name	Common name and synonyms	CAS number	%
[3R-(3.ALPHA.,3A.BETA.,7.BETA., 8A.ALPHA.)]-1-(2,3,4,7,8,8A-HEXA HYDRO-3,6,8,8-TETRAMETHYL-1 H-3A,7-METHANOAZULEN-5-YL)E THAN-1-ONE		32388-55-9	1 - < 10
ALIPHATIC HYDROCARBONS			1 - < 10
ALIPHATIC KETONES			1 - < 10
BENZYL BENZOATE	benzyl benzene carboxylate phenyl methyl benzoate BENZYL PHENYL FORMATE	120-51-4	1 - < 10
CARVENE	DIPENTENE (+)-P-MENTHA-1,8-DIENE (R)-(+)-Limonene (R)-4-Isopropenyl-1-methyl-1-cyclohexene 1- methyl-4-prop-1-en-2-ylcyclohexene	5989-27-5	1 - < 10
BENZYL CINNAMATE	BENZYL ALCOHOL CINNAMATE BENZYL-3-PHENYLPROPENOATE BENZYL BETA-PHENYLACRYLATE benzyl 3-phenylprop-2-enoate	103-41-3	0.1< 1
PHENOLS			0.1< 1



## 502104 BLACK AGAR GIVCO 215

Revision Date: 06-15-2015 Page 3 of 12

Version # 01 Print Date: 06-15-2015

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.

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

Aspiration may cause pulmonary edema and pneumonitis. Mild skin irritation. May cause an

allergic skin reaction. Dermatitis. Rash.

Indication of immediate medical attention and special treatment

needed

Not available.

General information 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.

#### 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Unsuitable extinguishing media

Specific hazards arising from

the chemical

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

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

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.

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. Eliminate all sources of ignition. 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.



# 502104 BLACK AGAR GIVCO 215

Revision Date: 06-15-2015 Page 4 of 12

Version # 01 Print Date: 06-15-2015

# 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.

The product is immiscible with water and will spread on the water surface.

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. Do not allow material to contaminate ground water system. 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. All equipment used when handling the product must be grounded. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wash thoroughly after handling. Take precautionary measures against static discharges. Avoid breathing vapor.

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.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Occupational exposure limits

US. Workplace Environmental Exposure Level (WEEL) Guides

Components	Туре	Value
CARVENE (CAS 5989-27-5)	TWA	165.5 mg/m3
·		30 ppm

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

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.



## 502104 BLACK AGAR GIVCO 215

Revision Date: 06-15-2015 Page 5 of 12

Version # 01 Print Date: 06-15-2015

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 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. Contaminated work clothing should not be allowed out of the

workplace.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Refer to Spec Sheet

Physical state Liquid.
Form Liquid.

Color Refer to Spec Sheet

Odor Characteristic.

Odor threshold Not available.

pH Not available.

Melting point/freezing point Not available.

Initial boiling point and boiling

range

Not available.

Flash point > 200.0 °F (> 93.3 °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 0.03 hPa at 20°C Calculated (98.1 %)

Vapor density Not available.

Relative density Not available.

Solubility(ies)

Solubility (water) Insoluble

Partition coefficient Not available.

(n-octanol/water)

Auto-ignition temperatureNot available.Decomposition temperatureNot available.ViscosityNot available.

Other information

**Density** 988.97 kg/m3 at 20 °C



## 502104 BLACK AGAR GIVCO 215

Revision Date: 06-15-2015 Page 6 of 12

Version # 01 Print Date: 06-15-2015

Flammability class Combustible IIIB estimated

Molecular formula Not applicable
Specific gravity 0.99 at 25 °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

reactions

No dangerous reaction known under conditions of normal use.

**Conditions to avoid**Avoid temperatures exceeding the flash point. Contact with incompatible materials.

**Incompatible materials** Strong oxidizing agents.

Hazardous decomposition

products

No hazardous decomposition products if stored and handled as indicated.

#### 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

**Inhalation** No adverse effects due to inhalation are expected.

Skin contact Causes mild skin irritation. May cause an allergic skin reaction.

**Eye contact** Direct contact with eyes may cause temporary irritation. Causes mild eye irritation.

**Ingestion** Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious

chemical pneumonia.

Symptoms related to the physical, chemical and

toxicological characteristics

Aspiration may cause pulmonary edema and pneumonitis. Mild skin irritation. May cause an

allergic skin reaction. Dermatitis. Rash.

Information on toxicological effects

**Acute toxicity** May be fatal if swallowed and enters airways. May cause an allergic skin reaction.

Product Species Test Results

**BLACK AGAR GIVCO 215** 

Acute Oral

LD50 Rat > 5000 mg/kg

Components Species Test Results

BENZYL BENZOATE (CAS 120-51-4)

Acute

Dermal

LD50 Rabbit 4000 mg/kg

Oral

LD50 Rat 1700 mg/kg



## 502104 BLACK AGAR GIVCO 215

Revision Date: 06-15-2015 Page 7 of 12

Version # 01 Print Date: 06-15-2015

Components Species Test Results

BENZYL CINNAMATE (CAS 103-41-3)

Acute

Dermal

LD50 Rabbit > 3000 mg/kg

Oral

LD50 Rat 5.38 g/kg Remarks:

Behavioral:Somnolence (general depressed activity). Behavioral:Coma.

CARVENE (CAS 5989-27-5)

Acute

Dermal

LD50 Rabbit 5 g/kg

Oral

LD50 Rat 4400 mg/kg

**Skin corrosion/irritation** Causes mild skin irritation.

May cause skin irritation in susceptible persons.

Serious eye damage/eye

irritation

Direct contact with eyes may cause temporary irritation.

Respiratory or skin sensitization

**Respiratory sensitization** Not a respiratory sensitizer.

**Skin sensitization** May cause an allergic skin reaction.

Causes sensitization.

Germ cell mutagenicity

No 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

CARVENE (CAS 5989-27-5) 3 Not classifiable as to carcinogenicity to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

**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** May be fatal if swallowed and enters airways.

### 12. ECOLOGICAL INFORMATION

**Ecotoxicity** Toxic to aquatic life with long lasting effects.

<sup>\*</sup> Estimates for product may be based on additional component data not shown.



## 502104 BLACK AGAR GIVCO 215

Revision Date: 06-15-2015 Page 8 of 12

Version # 01 Print Date: 06-15-2015

Components		Species	Test Results
CARVENE (CAS 5989	9-27-5)		
Aquatic			
Crustacea	EC50	Water flea (Daphnia pulex)	69.6 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	0.619 - 0.796 mg/l, 96 hours
		Rainbow trout,donaldson trout (Oncorhynchus mykiss)	35 mg/l, 4 days
Other	EC50	Activated Sludge	3.94 mg/l

<sup>\*</sup> Estimates for product may be based on additional component data not shown.

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

BENZYL BENZOATE 3.97 CARVENE 4.232

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 instructions**Do 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 Empty containers should be taken to an approved waste handling site for recycling or disposal.

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

emptied.

#### 14. TRANSPORT INFORMATION

**ADN** 

UN number 3082

UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BENZYL BENZOATE,

[3R-(3.ALPHA.,3A.BETA.,7.BETA.,8A.ALPHA.)]-1-(2,3,4,7,8,8A-HEXAHYDRO-3,6,8,8-TETRAM

ETHYL-1H-3A,7-METHANOAZULEN-5-YL)ETHAN-1-ONE)

Transport hazard class(es) 9
Subsidiary class(es) Packing group III
Environmental hazards Yes
Labels required 9



## 502104 BLACK AGAR GIVCO 215

Revision Date: 06-15-2015 Page 9 of 12

Version # 01 Print Date: 06-15-2015

**ADR** 

UN number 3082

UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BENZYL BENZOATE,

[3R-(3.ALPHA.,3A.BETA.,7.BETA.,8A.ALPHA.)]-1-(2,3,4,7,8,8A-HEXAHYDRO-3,6,8,8-TETRAM

ETHYL-1H-3A,7-METHANOAZULEN-5-YL)ETHAN-1-ONE)

Transport hazard class(es) 9
Subsidiary class(es) Packing group III
Environmental hazards Yes
Labels required 9

**RID** 

UN number 3082

UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BENZYL BENZOATE,

[3R-(3.ALPHA.,3A.BETA.,7.BETA.,8A.ALPHA.)]-1-(2,3,4,7,8,8A-HEXAHYDRO-3,6,8,8-TETRAM

ETHYL-1H-3A,7-METHANOAZULEN-5-YL)ETHAN-1-ONE)

Transport hazard class(es) 9
Subsidiary class(es) Packing group III
Environmental hazards Yes
Labels required 9

DOT BULK

UN number 3082

Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BENZYL BENZOATE,

[3R-(3.ALPHA.,3A.BETA.,7.BETA.,8A.ALPHA.)]-1-(2,3,4,7,8,8A-HEXAHYDRO-3,6,8,8-TETRAM

ETHYL-1H-3A,7-METHANOAZULEN-5-YL)ETHAN-1-ONE)

Hazard class 9
Packing group III

**Environmental hazards** 

Marine pollutant Yes

**Special provisions** 8, 146, 335, IB3, T4, TP1, TP29

Packaging exceptions 155
Packaging bulk 241

DOT

**NON-BULK** 

Not regulated as dangerous goods.

**IATA** 

Not regulated as dangerous goods.

**IMDG** 

UN number 3082

UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (BENZYL BENZOATE,

[3R-(3.ALPHA.,3A.BETA.,7.BETA.,8A.ALPHA.)]-1-(2,3,4,7,8,8A-HEXAHYDRO-3,6,8,8-TETRAM

ETHYL-1H-3A,7-METHANOAZULEN-5-YL)ETHAN-1-ONE)

Transport hazard class(es)



## 502104 BLACK AGAR GIVCO 215

Revision Date: 06-15-2015 Page 10 of 12

Version # 01 Print Date: 06-15-2015

Subsidiary class(es) - Packing group |||

**Environmental hazards** 

Marine pollutant Yes
Labels required 9

Transport in bulk according to Annex II of MARPOI

Not applicable.

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

ADN; ADR; DOT BULK; IMDG; RID



#### Marine pollutant



#### 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.

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

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed.

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

Not regulated.



## 502104 BLACK AGAR GIVCO 215

Revision Date: 06-15-2015 Page 11 of 12

Version # 01 Print Date: 06-15-2015

#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes

Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No

#### SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous

Nο

chemical

#### 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

#### US. Massachusetts RTK - Substance List

Not regulated.

#### US. New Jersey Worker and Community Right-to-Know Act

CARVENE (CAS 5989-27-5)

#### US. Pennsylvania Worker and Community Right-to-Know Law

Not listed.

#### US. Rhode Island RTK

Not regulated.

#### US. California Proposition 65

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

Not listed.

#### International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No



## 502104 BLACK AGAR GIVCO 215

Revision Date: 06-15-2015 Page 12 of 12

Version # 01 Print Date: 06-15-2015

Country(s) or region Inventory name On inventory (yes/no)\*

Korea Existing Chemicals List (ECL)

New Zealand New Zealand Inventory No

Philippines Philippine Inventory of Chemicals and Chemical Substances No

(PICCS)

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

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

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).

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

**Revision date** 06-15-2015 06-15-2015

Version # 01

HMIS® ratings Health: 2

Flammability: 1 Physical hazard: 0

Disclaimer

Vigon 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, 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.

No