

Material Safety Data Sheet

ONA - BLOCK

1 Product Identification and Use

Product Name: ONA - BLOCK
Product Code: OBK
Product Type: SOLID FORM of organic materials
Chemical Family: Mixture of terpenoids and related compounds
Uses: Odor Neutralizer
Dangerous Goods Class: None

Manufacturer / Supplier
Odorchem Manufacturing Corp.
Unit 114, 1525 Broadway St.
Port Coquitlam, B.C. Canada, V3C 6P6

2 Ingredients

HAZARDOUS INGREDIENT	%	CAS NUMBER	LD50 of Ingredient	LC50 of Ingredient
Ethanol	1 - 10	64-175	8300 mg/kg (mouse)	Not Available

All other components are not considered hazardous by the "Hazardous Products Act" and do not appear on the Ingredient Disclosure List of hazardous substances. This is a commercial product, and the exact ratio of components may vary. Trace quantities of impurities are also likely.

3 Physical Data

Physical State: SOLID
Odor and Appearance: characteristic odor, slightly turbid
Vapor Pressure (kPa): 100
Melting Point(°C): 40
Freezing Point(°C): not applicable
pH: not applicable
Specific Gravity: approx. 0.90

4 Fire and Explosion Data

Flammability: not flammable
Means of Extinction: use extinguishing media for surrounding fire
Flashpoint: not flammable
Upper Flammable Limit: not flammable
Lower Flammable Limit: not flammable
Auto-ignition Temperature: not flammable
Hazardous Combustion products: not flammable
Explosion Data: There is no explosion hazard from this material under normal circumstances.

5 Reactivity Data

Chemical Stability: Stable
Material to Avoid: Strong acids, strong alkalis, strong oxidizers
Polymerization: Will not polymerize
Decomposition Products: Carbon dioxide, carbon monoxide, oxides of phosphorous, water

6 Toxicological Properties

Effects of Acute Exposure

Swallowed: Data suggests that the product should be considered as slightly toxic by ingestion.

Eye: Data suggests that this product should be classified as a moderate eye irritant.

Skin: Data suggests that this product presents a low hazard via skin contact.

Repeated or prolonged contact may lead to dermatitic effects.

Inhalation: Inhalation may cause irritation to the nose and throat and cause coughing and chest discomfort.

Primary route of exposure is inhalation and skin and eye contact.

Effects of Chronic Exposure

No specific data is available for the product for chronic exposure symptoms.

7 Preventive Measures

Personal Protection

Respiratory Protection: A face mask or respirator is not necessary when this material is being used.

Protective Gloves: Rubber or PVC gloves are not generally necessary.

Eye Protection: Safety glass or goggles are advisory if there is any chance of splashing.

Clothing: Saturated clothing should be replaced with clean dry clothing.

Safety Boots: No special measures

Spills and Disposals

Stop leak if safe to do so and contain spill. Absorb into vermiculite, sand, sawdust, or other absorbent material. Sweep up and shovel or collect recoverable product into labeled containers for recycling or salvage. Recycle containers whenever possible. This material may be suitable for approved landfill. Launder all saturated clothing before re-use.

Storage and Transport

No special transportation requirements. This product does not have a UN Classification.

Containers should be kept closed in order to minimize contamination.

8 First Aid

Swallowed: If swallowed, **DO NOT INDUCE VOMITING.** Rinse mouth with water. Give glass of water to drink. Contact a doctor or the Poisons Information Center if symptoms of poisoning develop.

Eye: If this product comes into contact with eyes, hold eyes open and wash continuously for 15 minutes with running water. Ensure irrigation under eyelids by occasionally lifting eyelids.

Do not attempt to remove contact lenses unless trained. Transport to hospital or doctor immediately if skin irritation develops. Eye wash stations or baths should be available when ever chemical product is being used.

Skin: If this product comes into contact with skin, rinse skin with clean water. Remove saturated clothing and footwear. Ensure saturated clothing is washed before using again. Consult doctor immediately if skin irritation develops.

Inhalation: If excessive fumes are inhaled, remove to fresh air. Lay patient down and keep warm. If breathing is shallow, or has stopped, ensure a clear airway, apply resuscitation or oxygen if available and transport to hospital or doctor immediately.

Prepared By:

Odorchem Manufacturing Corp.
Unit 114, 1525 Broadway St.
Port Coquitlam, BC, Canada V3C 6P6 (604) 942-7880

Date: June 2004

Material Safety Data Sheet

O N A G E L

1. Product Identification and Use

Product Name: ONA - GEL
Product Code: OGL
Product Type: GEL of a Water emulsion of organic materials
Chemical Family: Hydroscopic polymer saturated with a mixture of terpenoids and related compounds
Uses: Odor Neutralizer
Dangerous Goods Class: None

Manufacturer / Supplier
Odorchem Manufacturing Corp.
Unit 114, 1525 Broadway St.
Port Coquitlam, B.C. Canada, V3C 6P6

2. Ingredients

All components are not considered hazardous by the "Hazardous Products Act" and do not appear on the Ingredient Disclosure List of hazardous substances. This is a commercial product, and the exact ratio of components may vary. Trace quantities of impurities are also likely.

3. Physical Data

Physical State: GEL
Odor and Appearance: characteristic odor, slightly turbid
Vapor Pressure (kPa): 100
Boiling Point (°C): 100
Freezing Point (°C): 0
PH: approx. 7
Specific Gravity: approx. 1.0

4. Fire and Explosion Data

Flammability: not flammable
Means of Extinction: use extinguishing media for surrounding fire
Flashpoint: not flammable
Upper Flammable Limit: not flammable
Lower Flammable Limit: not flammable
Auto-ignition Temperature: not flammable
Hazardous Combustion products: not flammable
Explosion Data: There is no explosion hazard from this material under normal circumstances.

5. Reactivity Data

Chemical Stability: Stable
Material to Avoid: Strong acids, strong alkalis, strong oxidizers
Polymerization: Will not polymerize
Decomposition Products: Carbon dioxide, carbon monoxide, oxides of phosphorous, water

6. Toxicological Properties

Effects of Acute Exposure
Swallowed: Data suggests that the product should be considered as slightly toxic by ingestion.
Eye: Data suggests that this product should be classified as a moderate eye irritant.
Skin: Data suggests that this product presents a low hazard via skin contact. Repeated or prolonged contact may lead to dermatitis effects.
Inhalation: Inhalation may cause irritation to the nose and throat and cause coughing and chest discomfort.
Primary route of exposure is inhalation and skin and eye contact.
Effects of Chronic Exposure
No specific data is available for the product for chronic exposure symptoms.

7. Preventive Measures

Personal Protection

Respiratory Protection: A facemask or respirator is not necessary when this material is being used.
Protective Gloves: Rubber or PVC gloves are not generally necessary.
Eye Protection: Safety glass or goggles are advisory if there is any chance of splashing.
Clothing: Saturated clothing should be replaced with clean dry clothing.
Safety Boots: No special measures

Spills and Disposals

Stop leak if safe to do so and contain spill. Absorb into vermiculite, sand, sawdust, or other absorbent material. Sweep up and shovel or collect recoverable product into labeled containers for recycling or salvage. Recycle containers whenever possible. This material may be suitable for approved landfill. Launder all saturated clothing before re-use.

Storage and Transport

No special transportation requirements.
This product does not have a UN Classification.

Containers should be kept closed in order to minimize contamination.

8. First Aid

Swallowed: If swallowed, **DO NOT INDUCE VOMITING.** Rinse mouth with water. Give glass of water to drink. Contact a doctor or the Poisons Information Center if symptoms of poisoning develop.

Eye: If this product comes into contact with eyes, hold eyes open and wash continuously for 15 minutes with running water. Ensure irrigation under eyelids by occasionally lifting eyelids.

Do not attempt to remove contact lenses unless trained. Transport to hospital or doctor immediately if skin irritation develops. Eye wash stations or baths should be available when ever chemical product is being used.

Skin: If this product comes into contact with skin, rinse skin with clean water. Remove saturated clothing and footwear. Ensure saturated clothing is washed before using again. Consult doctor immediately if skin irritation develops.

Inhalation: If excessive fumes are inhaled, remove to fresh air. Lay patient down and keep warm. If breathing is shallow, or has stopped, ensure a clear airway; apply resuscitation or oxygen if available and transport to hospital or doctor immediately.

EPA's Food and Drug Regulatory Affairs

Administration HHS, Section 21 CFR 182.20 state that essential oils contained in FORMULAIR are generally recognized as safe for their intended use.

OSHA (Occupational Safety and Health Administration): FORMULAIR does not contain OSHA regulated materials.

US EPA's TSCA (Toxic Substances Control Act): All FORMULAIR components are TSCA registered

US EPA's SARA (Superfund Amendments and Reauthorization Act): Not listed.

RCRA (Resource conservation and Recovery Act): Not a hazardous waste.

Prepared By:

Odorchem Manufacturing Corp.

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Date: Feb 2004

Material Safety Data Sheet

Ona mist

Odorchem Manufacturing Corp.
Unit 103, 19575 - 55A Avenue
Surrey BC Canada V3S 8P8
Tel: 877-386-5000

Section 1: Information

Product: **ona mist**
Code: **OMT-190GA-PC**
USE: Odor Neutralizer
Chemical family: Alcohol
Chemical Formula: Not applicable
T.D.G. Classification: Consumer Commodity
WHMIS Classification: A, B5, D2B
CNFC Section 3.3.5 Level 3
HMIS Rating Flammability: 4 severe hazard
HMIS Rating Health: 2 moderate hazard
HMIS rating Reactivity: 0 Minimal hazard

Section 2: Hazardous Ingredients

%	C.A.S. / TLV	LD/50, Route, Species	LC/50, Route, Species
Ethanol 3 - 7	64-17-5 1000 ppm	7060 mg/kg oral - rat	31,623 ppm (4hr) inhal - rat
Propane 10- 30	74-98-6 1000 ppm	Not applicable	Not available
Isobutene 60-100	75-28-5 800 ppm	Not applicable	520,000 ppm (2hr) Inhal- mouse

Section 3: Physical Data

Physical State: Aerosol
Boiling Point (Deg C): 79
Vapour Pressure (PSIG) 50 - 60 @20C
Vapour Density (Air=1): greater than 1
Solubility in water: Not available
Appearance: clear
Odor: Fragrant
Specific gravity (liquid): 0.81 - 0.85
Specific gravity (aerosol) 0.52- 0.57
Aerosol percent VOC (W/W) 99-100
Aerosol percent volatile (W/W) 99 - 100
Evaporation rate: >1
Ph: not available
Freezing point: Not available
Coefficient of water/oil: not available

Section 4: Fire & Explosion

Aerosol flame projection classified as: >45 cm
Flashback: None
Flammability: Extremely Flammable
If yes, under which conditions: heat, open
flame, sparks
Extinguishing media: Carbon Dioxide, dry
chemical, foam
Special procedures: water from fogging
nozzles may be used to cool closed
containers, to prevent built-up if exposed to
extreme temperatures.
Flash point C (TCC) 13
Auto ignition temperature C: 423
Lower flammability limit (%/V): 1.9
Upper flammability limit: (%/V): 19
Hazardous combustion products:
Hydrocarbons fumes and smoke, Carbon
monoxide, where combustion is incomplete

Section 5: Reactivity

Chemical Stability: yes under normal
conditions
Compatibility with other substances: Avoid
strong oxidizing agents
Hazardous combustion products:
Hydrocarbons fumes and smoke, Carbon
monoxide, where combustion is incomplete