



485 Millway Av.  
Concord, ONT L4K-3V4

For Product Questions call: (514) 731-9405  
For Health and Safety Questions call: (734) 781-4568  
After Hours Emergency Health/Safety Questions: (800) 391-0698 Prozar (US/Canada)  
24 Hour Emergency Spill Contact call: (800) 424-9300 Chemtrec (US/Canada)

## Material Safety Data Sheet

### I. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** KETCHUM BLACK  
**Product Code:** 706-GMK229220  
**MSDS Code:** MSD-00385041  
**Revision Number:** 7  
**Revision Date:** 2009-04-09 09:16:30

### II. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	%
Rosin, maleated, Polymer with pentaerythritol	5 - 10
Linseed oil, alkyd polymer	1 - 5
Shellac	1 - 5

Please see Section VIII for product and component exposure guidelines.  
Components not listed are not physical or health hazards as defined in 29 CFR 1910.1200 (Hazard Communication Standard).

### III. HAZARDS IDENTIFICATION

**HMIS Rating**    **Health:** 1                      **Flammability:** 0                      **Reactivity:** 0

**This product falls under the following WHMIS class:**

This product is not controlled. Ce produit n'est pas contrôlé.

#### Immediate (Acute) Health Effects by Route of Exposure

**Inhalation:** Can cause minor respiratory irritation.  
**Skin Contact:** Can cause minor skin irritation.  
**Eye Contact:** Can cause minor irritation, tearing and reddening.  
**Ingestion:** Mildly irritating to mouth, throat, and stomach. Can cause abdominal discomfort.

#### Long-Term (Chronic) Health Effects

**Reproductive and Developmental:** No data available to indicate product or any components present at greater than 0.1% may cause birth defects.  
**Mutagenicity:** No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.

KETCHUM BLACK



**Respiratory Protection:** General or local exhaust ventilation is the preferred means of control. If general or local exhaust ventilation is not available or sufficient to control or eliminate symptoms as described in Section III, respiratory protection should be used.

**Eye Protection:** Wear safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Have an eye wash station available.

**Skin Protection:** Not normally considered a skin hazard. Where use can result in skin contact, practice good personal hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

**Gloves:** Wear impervious material no specific details available.

**Exposure Guidelines:**

Chemical Name	OSHA Exposure Limits	ACGIH TLV - TWA	ACGIH STEL	IDLH
Rosin, maleated, Polymer with pentaerythritol		No TLV	No STEL	Not on list
Linseed oil, alkyd polymer		No TLV	No STEL	Not on list
Shellac		No TLV	No STEL	Not on list

If this product is provided in a dry powder state it should be considered a nuisance dust (PEL 10 mg/m3).

If the processing of this product produces a mist it should be considered to be an oil mist with a PEL of 5 mg/m3.

**IX. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical State:</b>	Liquid, semi-solid, or solid
<b>Solubility in Water:</b>	
<b>Vapor Pressure (mmHg):</b>	
<b>Vapor Density (Air = 1):</b>	
<b>Volatiles, % by wt:</b>	14.75
<b>Volatiles, % by vol:</b>	15.97
<b>Volatile Organic Chemicals % by wt:</b>	1.41
<b>Volatile Organic Chemicals % by vol:</b>	1.84
<b>VOC lb/gal</b>	0.12
<b>VOC lb/gal (less water):</b>	0.14
<b>Solids % by weight:</b>	85.25
<b>Solids % by volume</b>	84.03
<b>Boiling Point:</b>	100 deg. C 212 deg. F
<b>Specific Gravity:</b>	1.059
<b>Bulk Density (Lb/Gal):</b>	8.82

**X. STABILITY AND REACTIVITY**

<b>Stability:</b>	Stable under normal conditions.
<b>Conditions to Avoid:</b>	None known.
<b>Materials to Avoid/Chemical Incompatibility:</b>	Strong oxidizing agents.

**XI. TOXICOLOGICAL INFORMATION**

**Component Toxicology Data (NIOSH):**

Chemical Name	LD50/LC50
Rosin, maleated, Polymer with pentaerythritol	No data available
Linseed oil, alkyd polymer	No data available

KETCHUM BLACK



Shellac

No data available

## **XII. DISPOSAL CONSIDERATIONS**

**Waste Description for Spent Product:** Spent or discarded material is not expected to be a hazardous waste.

**Disposal Methods:** Dispose in accordance with Federal, State, Provincial and Local regulations. Material may be compatible with industrial waste incineration or inclusion in a fuel blending program. This characterization is subject to approval by your waste management contractor. This material should be recycled if possible.

## **XIII. REGULATORY INFORMATION**

**TSCA Status** All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

<b>Chemical Name</b>	<b>CAS #</b>	<b>Regulation</b>	<b>Percentage</b>
Not on list		CERCLA	
Not on list		HAP	
Carbon black (100% Carbon Black)	1333-86-4	NPRI (Cdn)	14.4
Not on list		PROP 65	
Not on list		SARA 313	
Not on list		SARA EHS	

The following items require export notification for TSCA

**Chemical Name**

Not on list

**TSCA 12b list section**

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations and the MSDS contains information required by the Controlled Products Regulations.

## **XIV. ADDITIONAL INFORMATION**

### **References:**

**Disclaimer:** Flint Group has prepared this Material Safety Data Sheet ("MSDS") in compliance with 29 CFR 1910.1200, understands that its customers may use this MSDS to comply with that section, and believes that the data set forth herein are accurate as of the date hereof; however, this MSDS shall not constitute a warranty with respect thereto.

# FlintGroup

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## Material Safety Data Sheet

### I. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** KETCHUM GREEN EAR PASTE  
**Product Code:** 706-GTG247304  
**MSDS Code:** MSD-00586174  
**Revision Number:** 4  
**Revision Date:** 2009-04-09 09:19:12

### II. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	%
Sodium Salt of Sulfonated Castor Oil	10 - 30
Shellac	1 - 5

Please see Section VIII for product and component exposure guidelines.  
Components not listed are not physical or health hazards as defined in 29 CFR 1910.1200 (Hazard Communication Standard).

### III. HAZARDS IDENTIFICATION

**HMIS Rating**    **Health: 1**                      **Flammability: 0**                      **Reactivity: 0**

**This product falls under the following WHMIS class:**  
This product is not controlled. Ce produit n'est pas contrôlé.

#### Immediate (Acute) Health Effects by Route of Exposure

**Inhalation:** Can cause minor respiratory irritation.  
**Skin Contact:** Can cause minor skin irritation.  
**Eye Contact:** Can cause minor irritation, tearing and reddening.  
**Ingestion:** Mildly irritating to mouth, throat, and stomach. Can cause abdominal discomfort.

#### Long-Term (Chronic) Health Effects

**Reproductive and Developmental:** No data available to indicate product or any components present at greater than 0.1% may cause birth defects.  
**Mutagenicity:** No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.

**Ingredients of this product appear on the following OSHA identified carcinogen lists at >= 0.1% by weight (yes/no):**

KETCHUM GREEN EAR PASTE

OSHA No

NTP No

IARC 1 & 2A No  
IARC 2B No

NIOSH No

#### **IV. FIRST-AID MEASURES**

**Inhalation:** Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen.

**Eyes:** None expected to be needed, however, use an eye wash to remove a chemical from your eye regardless of the level of hazard.

**Skin Contact:** Wash with soap and water.

**Ingestion:** No hazard in normal industrial use. Do not induce vomiting. Seek medical attention if symptoms develop. Provide medical care provider with this MSDS.

#### **V. FIRE FIGHTING MEASURES**

**Flammability Summary:** Combustible at elevated temperatures NFPA III B (NFPA description only; not to be used for shipping purposes)

**Extinguishing Media:** Use alcohol resistant foam, carbon dioxide, or dry chemical when fighting fires. Water or foam may cause frothing if liquid is burning but it still may be a useful extinguishing agent if carefully applied to the surface of the fire. Do not direct a stream of water into the hot burning liquid.

**Fire and/or Explosion Hazards:** Material may be ignited only if preheated to temperatures above the high flash point, for example in a fire.

**Fire Fighting Methods and Protection:** Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Use methods for the surrounding fire.

**Hazardous Combustion Products:** Carbon dioxide, Carbon monoxide

**Flash Point:** 93 C (200 F) and greater

**Firepoint:** Firepoint calculated >212F (100C)

#### **VI. ACCIDENTAL RELEASE MEASURES**

**Personal Precautions and Equipment:** No adverse health affects expected from the clean-up of spilled material. Follow personal protective equipment recommendations found in Section VIII of this MSDS.

#### **VII. HANDLING AND STORAGE**

**Handling Precautions:** No special handling instructions due to toxicity. As with all chemicals, good industrial hygiene practices should be followed when handling this material.

**Storage Conditions:** No special requirements. Keep container closed when not in use.

#### **VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Engineering Measures:** Use local exhaust ventilation or other engineering controls to minimize exposures and maintain operator comfort.

**Respiratory Protection:** General or local exhaust ventilation is the preferred means of control. If general or local exhaust ventilation is not available or sufficient to control or eliminate symptoms as described in Section III, respiratory protection should be used.



**Eye Protection:** Wear safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Have an eye wash station available.

**Skin Protection:** Not normally considered a skin hazard. Where use can result in skin contact, practice good personal hygiene and wear a barrier cream and/or impervious surgical style gloves. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.

**Gloves:** Wear impervious material no specific details available.

Exposure Guidelines:	OSHA Exposure Limits	ACGIH TLV - TWA	ACGIH STEL	IDLH
<b>Chemical Name</b>				
Sodium Salt of Sulfonated Castor Oil		No TLV	No STEL	Not on list
Shellac		No TLV	No STEL	Not on list

If this product is provided in a dry powder state it should be considered a nuisance dust (PEL 10 mg/m<sup>3</sup>).

If the processing of this product produces a mist it should be considered to be an oil mist with a PEL of 5 mg/m<sup>3</sup>.

### IX. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Liquid, semi-solid, or solid
<b>Solubility in Water:</b>	Moderate; 50-99%
<b>Vapor Pressure (mmHg):</b>	
<b>Vapor Density (Air = 1):</b>	
<b>Volatiles, % by wt:</b>	23.5
<b>Volatiles, % by vol:</b>	34.2
<b>Volatile Organic Chemicals % by wt:</b>	0.00
<b>Volatile Organic Chemicals % by vol:</b>	0.00
<b>VOC lb/gal</b>	0.00
<b>VOC lb/gal (less water):</b>	0.00
<b>Solids % by weight:</b>	76.5
<b>Solids % by volume</b>	65.8
<b>Boiling Point:</b>	100 deg. C 212 deg. F
<b>Specific Gravity:</b>	1.455
<b>Bulk Density (Lb/Gal):</b>	12.12

### X. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable under normal conditions.
<b>Conditions to Avoid:</b>	None known.
<b>Materials to Avoid/Chemical Incompatibility:</b>	Strong oxidizing agents.

### XI. TOXICOLOGICAL INFORMATION

Component Toxicology Data (NIOSH):	LD50/LC50
<b>Chemical Name</b>	
Sodium Salt of Sulfonated Castor Oil	No data available
Shellac	No data available

### XII. DISPOSAL CONSIDERATIONS

**Waste Description  
for Spent Product:  
Disposal Methods:**

Spent or discarded material is not expected to be a hazardous waste.  
Dispose in accordance with Federal, State, Provincial and Local regulations.  
Material may be compatible with industrial waste incineration or inclusion in a  
fuel blending program. This characterization is subject to approval by your waste  
management contractor. This material should be recycled if possible.

**XIII. REGULATORY INFORMATION**

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**TSCA Status** All ingredients of this product are listed or are excluded from listing on the U.S.  
Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

<b>Chemical Name</b>	<b>CAS #</b>	<b>Regulation</b>	<b>Percentage</b>
Not on list		CERCLA	
Not on list		HAP	
C.I. Pigment Green 7 (6% Copper)	1328-53-6	NPRI (Cdn)	23.18
Not on list		PROP 65	
Not on list		SARA 313	
Not on list		SARA EHS	

**The following items require export notification for TSCA**

**Chemical Name**  
Not on list

**TSCA 12b list section**

This product has been classified in accordance with the hazard criteria of the Canadian Controlled  
Products Regulations and the MSDS contains information required by the Controlled Products  
Regulations.

**XIV. ADDITIONAL INFORMATION**

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**References:**

**Disclaimer:** Flint Group has prepared this Material Safety Data Sheet ("MSDS") in compliance with 29  
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