

## Safety Data Sheet

### UMBER BROWN OXIDE

Safety Data Sheet dated: 5/23/2015 - version 5

Date of first edition: 5/20/2015

## 1. IDENTIFICATION

### Product identifier

Mixture identification:

Trade name: UMBER BROWN OXIDE

### Recommended use of the chemical and restrictions on use

Recommended use: Cosmetic Ingredient

Restrictions on use: Not available

## 2. HAZARD(S) IDENTIFICATION

This mixture has not been tested as a whole. It contains ingredients which could be released from the mixture in concentrations which would exceed an established OSHA permissible exposure limit or ACGIH Threshold Limit Value, or could present a health risk to employees.



### Classification of the chemical

Skin Irrit. 2 Causes skin irritation.  
Eye Irrit. 2A Causes serious eye irritation.

### Label elements

#### Symbols:



Warning

Code	Description
H315	Causes skin irritation.
H319	Causes serious eye irritation.
Code	Description
P264	Wash ... Thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water/...
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321	Specific treatment (see ... On this label).
P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.

**Ingredient(s) with unknown acute toxicity:**

None

**Hazards not otherwise classified identified during the classification process:**

None

NIOSH has reported the occurrence of severe lung disease in some workers who make or use flavorings. According to the December 2003 NIOSH Report, the main respiratory symptoms experienced by workers affected by fixed airways obstruction include cough (usually without phlegm) and shortness of breath on exertion. NIOSH further reports that some workers may experience fever, night sweats, and weight loss.

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**3. COMPOSITION/INFORMATION ON INGREDIENTS****Substances**

Not Available

**Mixtures**

Hazardous components within the meaning of 29 CFR 1910.1200 and related classification:

**List of components**

Qty	Name	Ident. Numb.	Classification	Registration Number
30-40 %	BLACK OXIDE	CAS:1317-61-9 EC:215-277-5	Comb. Dust, USH003; Self-heat. 2, H252; Skin Irrit. 2, H315; Eye Irrit. 2A, H319	
3-5 %	TALC	CAS:14807-96-6 EC:238-877-9	STOT SE 3, H335; Comb. Dust, USH003; Skin Irrit. 2, H315	

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**4. FIRST AID MEASURES****Description of first aid measures**

In case of skin contact:

Immediately take off all contaminated clothing and shoes.

Immediately remove any contaminated clothing, shoes or stockings.

After contact with skin, wash immediately with soap and plenty of water.

In case of eye contact:

Wash immediately and thoroughly with running water, keeping eyelids regularly raised, for at least 15 minutes. Cold water may be used. Check for and remove any contact lenses at once. OBTAIN A MEDICAL EXAMINATION.

Protect the eyes with a sterile gauze or a clean, dry handkerchief.

In case of ingestion:

Do not induce vomiting, get medical attention showing the MSDS and label hazardous.

In case of inhalation:

Remove casualty to fresh air and keep warm and at rest.

**Most important symptoms/effects, acute and delayed**

Eye Irritation

Eye damages

Skin Irritation

Erythema

**Indication of any immediate medical attention and special treatment needed**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

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**5. FIRE-FIGHTING MEASURES****Extinguishing media**

Suitable extinguishing media:

Water, CO2, foam, chemical powders, according to the materials involved in the fire.

In case of fire, use foam, dry chemical, CO2.

Unsuitable extinguishing media:

None in particular.

**Specific hazards arising from the chemical**

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

Hazardous combustion products: Not Available

Explosive properties: Not Available

Oxidising properties: Not Available

**Special protective equipment and precautions for fire-fighters**

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

- Wear personal protection equipment.
- Remove persons to safety.
- See protective measures under point 7 and 8.

### Methods and material for containment and cleaning up

- Suitable material for taking up: dry and inert absorbing material (e.g. vermiculite, sand, earth).
- Wash with plenty of water.

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## 7. HANDLING AND STORAGE

### Precautions for safe handling

- Avoid contact with skin and eyes, inhalation of vapours and mists.
- Don't use empty container before they have been cleaned.
- Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
- Contaminated clothing should be changed before entering eating areas.
- Do not eat or drink while working.
- See also section 8 for recommended protective equipment.

### Conditions for safe storage, including any incompatibilities

Storage temperature: Not Available

Incompatible materials:

- None in particular.

Instructions as regards storage premises:

- Adequately ventilated premises.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Community Occupational Exposure Limits (OEL)

Component	OEL Type	Country	Long Term mg/m3	Long Term ppm	Short Term mg/m3	Short Term ppm	Notes
TALC	ACGIH		2				A4 - Not Classifiable as a Human Carcinogen (containing no asbestos fibers);pulmonary fibrosis (containing no asbestos fibers);pulmonary function (containing no asbestos fibers);

Appropriate engineering controls: Not Available

### Individual protection measures

Eye/face protection:

- Use close fitting safety goggles, don't use eye lens.

Skin protection:

- Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or vltan.

Hand protection:

- Use protective gloves that provide comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

- Control worker exposure to below detectable levels. However, if an effective ventilation system is not in use, use a NIOSH-approved respirator for organic vapors and/or dusts. Where appropriate, use closed systems to transfer and process this material. If appropriate, isolate mixing rooms and other areas where this material is used or openly handled. Maintain these areas under negative air pressure relative to the rest of the plant. Use local exhaust as required to capture all airborne vapors and dust.

Additional Information:

In December 2003, the National Institute for Occupational Safety and Health (NIOSH) published an Alert on preventing lung disease in workers who use or make flavorings. NIOSH Publication Number 2004-110. In August 2004, the United States Flavor and Extract Manufacturers Association (FEMA) issued a report entitled, "Respiratory Safety in the Flavoring Manufacturing Workplace". Both of these documents provide recommendations for reducing employee exposure and for medical surveillance in the workplace. The recommendations in these documents are generally applicable to the use of any chemical in the workplace and you are strongly urged to review both of these documents.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

- Physical State Solid
- Appearance: Powder,
- Odour: None
- Odour threshold: Not Available
- pH: Not Available

Melting point/ range: Not Available  
Boiling point/ range: Not Available  
Flash point: Not Available  
Evaporation rate: Not Available  
Upper/lower flammability or explosive limits: Not Available  
Vapour density: Not Available  
Vapour pressure: Not Available  
Density: Not Available  
Water solubility: Insoluble  
Lipid solubility: Not Available  
Partition coefficient (n-octanol/water): Not Available  
Auto-ignition temperature: Not Available  
Decomposition temperature: Not Available  
Viscosity: Not Available  
Explosive properties: Not Available  
Oxidising properties: Not Available  
Flammability (Solid, Gas): Not Available

#### Other information

Substance group relevant properties: Not Available  
Miscibility: Not Available  
Fat Solubility: Not Available  
Conductivity: Not Available

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## 10. STABILITY AND REACTIVITY

### Reactivity

Stable under normal conditions.

### Chemical stability

Data not Available.

### Possibility of hazardous reactions

Burning produces carbon monoxide and/or carbon dioxide.

### Conditions to avoid

Stable under normal conditions of temperature and pressure.

### Incompatible materials

Avoid strong oxidizing agents, peroxides, acids, alkali metals.

### Hazardous decomposition products

Burning produces carbon monoxide and/or carbon dioxide.

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## 11. TOXICOLOGICAL INFORMATION

### Information on toxicological effects

#### Toxicological Information of the Preparation

There is no toxicological data available on the mixture. Consider the individual concentration of each component to assess toxicological effects resulting from exposure to the mixture.

#### Toxicological information on main components of the mixture:

BLACK OXIDE	b) skin corrosion/irritation	Skin Irritant Yes	slightly
	c) serious eye damage/irritation	Eye Irritant Yes	slightly
	a) acute toxicity	LD50 Oral Rat > 10000mg/kg	

#### TOXICITY\_APPENDIX\_DESCR\_GEN

a) acute toxicity  
b) skin corrosion/irritation  
c) serious eye damage/irritation  
d) respiratory or skin sensitisation  
e) germ cell mutagenicity  
f) carcinogenicity  
g) reproductive toxicity  
h) STOT-single exposure  
i) STOT-repeated exposure  
j) aspiration hazard

**Substance(s) listed on the IARC Monographs:**

TALC

Group 3

**Substance(s) listed as OSHA Carcinogen(s):**

TALC

**Substance(s) listed as NIOSH Carcinogen(s):**

None

**Substance(s) listed on the NTP report on Carcinogens:**

None

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**12. ECOLOGICAL INFORMATION****Toxicity**

Adopt good working practices, so that the product is not released into the environment.

**Persistence and degradability**

Not Available

**Bioaccumulative potential**

Not Available

**Mobility in soil**

Not Available

**Other adverse effects**

Not Available

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**13. DISPOSAL CONSIDERATIONS****Waste treatment methods**

Any disposal practice must be in compliance with local, state and federal laws and regulations (contact local or state environmental agency for specific rules). Do not dump into sewers, any body of water or onto the ground.

Recover if possible. In so doing, comply with the local and national regulations currently in force.

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**14. TRANSPORT INFORMATION****UN number**

ADR-UN number: N/A

DOT-UN Number: N/A

IATA-Un number: N/A

IMDG-Un number: N/A

**UN proper shipping name**

ADR-Shipping Name: N/A

DOT Proper Shipping Name: N/A

IATA-Technical name: N/A

IMDG-Technical name: N/A

**Transport hazard class(es)**

ADR-Class: N/A

DOT Hazard Class: N/A

IATA-Class: N/A

IMDG-Class: N/A

**Packing group**

ADR-Packing Group: N/A

Exempted for ADR: N/A

IATA-Packing group: N/A

IMDG-Packing group: N/A

**Environmental hazards**

Marine pollutant: No

Environmental Pollutant: Not Available

**Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not Available

**Special precautions****Department of Transportation (DOT):**

DOT-Special Provision(s): N/A

DOT Label(s): N/A

DOT Symbol: N/A

DOT Cargo Aircraft: N/A  
DOT Passenger Aircraft: N/A  
DOT/TDG Bulk: N/A  
DOT Non-Bulk: N/A  
Road and Rail (ADR-RID):  
ADR-Label: N/A  
ADR-Upper number: N/A  
ADR Tunnel Restriction Code: N/A  
Air (IATA):  
IATA-Passenger Aircraft: N/A  
IATA-Cargo Aircraft: N/A  
IATA-Label: N/A  
IATA-Sub Risk: N/A  
IATA-Erg: N/A  
IATA-Special Provisioning: N/A  
Sea (IMDG):  
IMDG-Stowage Code: N/A  
IMDG-Stowage Note: N/A  
IMDG-Sub Risk: N/A  
IMDG-Special Provisioning: N/A  
IMDG-Page: N/A  
IMDG-Label: N/A  
IMDG-EMS: N/A  
IMDG-MFAG: N/A

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## 15. REGULATORY INFORMATION

### USA - Federal regulations

#### TSCA - Toxic Substances Control Act

##### TSCA inventory:

All the components are listed on the TSCA inventory

##### TSCA listed substances:

BLACK OXIDE	is listed in TSCA Section 8b
TALC	is listed in TSCA Section 8b

#### SARA - Superfund Amendments and Reauthorization Act

##### Section 302 - Extremely Hazardous Substances:

no substances listed

##### Section 304 - Hazardous substances:

no substances listed

##### Section 313 - Toxic chemical list:

no substances listed

#### CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

##### Substance(s) listed under CERCLA:

no substances listed

#### CAA - Clean Air Act

##### CAA listed substances:

no substances listed

#### CWA - Clean Water Act

##### CWA listed substances:

no substances listed

### USA - State specific regulations

#### California Proposition 65

##### Substance(s) listed under California Proposition 65:

TALC	Listed as carcinogen and reproductive toxicant
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**Massachusetts Right to know**

**Substance(s) listed under Massachusetts Right to know:**

TALC

**Pennsylvania Right to know**

**Substance(s) listed under Pennsylvania Right to know:**

TALC

**New Jersey Right to know**

**Substance(s) listed under New Jersey Right to know:**

TALC

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**16. OTHER INFORMATION**

<b>Code</b>	<b>Description</b>
H252	Self-heating in large quantities; may catch fire.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
USH003	May form combustible dust concentrations in air.

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The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. The information relates only to the specific material and may not be valid for such material used in combination with any other material or in any process.

This document was prepared by a competent person who has received appropriate training.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

**Legend to abbreviations and acronyms used in the safety data sheet:**

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labeling of Chemicals

CLP: Classification, Labeling, Packaging

EINECS: European Inventory of Existing Commercial Chemical Substances

INCI: International Nomenclature of Cosmetic Ingredients

CAS: Chemical Abstracts Service (division of the American Chemical Society)

GefStoffVO: Ordinance on Hazardous Substances, Germany

LC50: Lethal concentration, for 50 percent of test population

LD50: Lethal dose, for 50 percent of test population

DNEL: Derived No Effect Level

PNEC: Predicted No Effect Concentration

TLV: Threshold Limiting Value

TWATLV: Threshold Limiting Value for the Time Weighted Average 8 hour day.(ACGIH Standard)

STEL: Short Term Exposure limit

STOT: Specific Target Organ Toxicity

WGK: German Water Hazard Class

KSt: Explosion coefficient

y for the damage.

**Paragraphs modified from the previous revision:**

- 1. IDENTIFICATION OF THE SUBSTANCE/ MIXTURE AND OF THE COMPANY/ UNDERTAKING
- 2. HAZARDS IDENTIFICATION
- 3. COMPOSITION/INFORMATION ON INGREDIENTS
- 9. PHYSICAL AND CHEMICAL PROPERTIES
- 16. OTHER INFORMATION