

MATERIAL SAFETY DATA SHEET

1. COMPANY IDENTIFICATION

SUPPLIED BY:
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CREATED / REVISED DATE: 10/16/2013

2. PRODUCT IDENTIFICATION / COMPOSITION / DATA ON COMPONENTS

LABEL NAME: CAMPHOR OIL WHITE
LATIN NAME: Cinnamomum camphora L.
SYNONYM: WHITE CMPHOR OIL, JAPANESE CAMPHOR OIL
INCI NAME: Cinnamomum Camphora (Camphor) Bark Oil
COUNTRY OF ORIGIN: CHINA
FEMA NO: FOOD GRADE #2231
CAS NO.: 8008-51-3 & 91745-89-0 **EINECS NO.:** 294-760-2

HARMFUL COMPONENTS:

Limonene	20 - 30%	Xi: R38 43	N: R50/53
Pinenes	12 - 18%	Xi: R43	N: R50/53
Camphor	1 - 2%	Xn: R20 68/22	

3. HAZARDS IDENTIFICATION / HAZARD SYMBOLS

HAZARD SYMBOLS: **Xn: HARMFUL** **N: NATURE POLLUTING**

POTENTIAL HEALTH EFFECTS:

INGESTION: MAY CAUSE IRRITATION OF THE MOUTH, NOSE AND THROAT.

SKIN: MAY BE IRRITATING TO THE SKIN

INHALATION: MAY BE IRRITATING TO THE RESPIRATORY SYSTEM

EYE CONTACT: MAY BE IRRITATING TO THE EYES.

CHRONIC EFFECTS / CARCINOGENICITY: THIS MATERIAL **IS NOT LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN** BY NTP, IARC, OR OSHA. EXPOSURE TO CONCENTRATIONS OF THIS MATERIAL AT GREATER THAN THE INTENDED USE LEVEL MAY CAUSE IRRITATION OF EYES, THROAT, AND LUNGS, CONTACT DERMATITIS, AND A FEW MAY BE TOXIC THROUGH ORAL AND DERMAL ROUTES. THIS M.S.D.S. DOES NOT REFLECT THE SAFETY OF THIS MATERIAL IN THE FINAL PRODUCT

4. FIRST AID MEASURES

INGESTION: RINSE MOUTH WITH WATER. GIVE WATER OR MILK. **DO NOT INDUCE VOMITING TO AVOID POSSIBLE LUNG ASPIRATION.** OBTAIN MEDICAL ADVICE IMMEDIATELY.

SKIN: REMOVE CONTAMINATED CLOTHES, WASH AFFECTED AREAS WITH WATER. IF IRRITATION PERSISTS, OBTAIN MEDICAL ADVICE.

INHALATION: REMOVE FROM THE EXPOSURE TO FRESH AIR. CONTACT A PHYSICIAN IF NECESSARY.

EYES: IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES AND GET MEDICAL ATTENTION IF IRRITATION PERSISTS.

5. FIRE FIGHTING MEASURES

FLASH POINT: 125° F.

METHOD: T.C.C. (ERDCO Rapid Tester, Model RT-1)

IGNITION TEMP.: N/A

FLAMMABLE LIMITS IN – AIR LOWER (%): N/A

FLAMMABLE LIMITS IN – AIR – UPPER (%): N/A

EXTINGUISHING MEDIA: CARBON DIOXIDE, DRY CHEMICAL, FOAM.

SPECIAL FIREFIGHTING PROCEDURES: COOL EXPOSED CONTAINERS WITH WATER SPRAY AFTER EXTINGUISHING FIRE.

UNUSUAL FIRE AND EXPLOSION HAZARDS: **CLOSED CONTAINERS MAY BUILD PRESSURE WHEN EXPOSED TO HEAT OR FIRE. DRUMS MAY BURST OR EXPLODE.**

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: ELIMINATE ALL IGNITION SOURCES. VENTILATE AREA. CONTAIN SPILL. ABSORB REMAINDER ON VERMICULITE OR OTHER SUITABLE ABSORBANT MATERIAL. REMOVE AS REGULATED. USE OF SELF CONTAINED BREATHING APPARATUS IS RECOMMENDED FOR ANY MAJOR CHEMICAL SPILL. CONTACT APPROPRIATE AUTHORITIES, IF REQUIRED. **PREVENT LIQUID FROM ENTERING DRAINS OR SEWER SYSTEM.**

7. HANDLING AND STORAGE

PRECAUTION TO BE TAKEN IN HANDLING AND STORAGE: AVOID INHALATION AND CONTACT WITH SKIN AND EYES. KEEP AWAY FROM FOOD AND DRINK. GOOD MANUFACTURING PRACTICES DICTATE THAT AN EYEWASH FOUNTAIN AND/OR SAFETY SHOWER SHOULD BE AVAILABLE IN THE WORK AREA. STORE IN A COOL DRY VENTILATED AREA AWAY FROM HEAT SOURCES. KEEP CONTAINERS TIGHTLY CLOSED AND UPRIGHT WHEN NOT IN USE. SHOULD BE STABLE FOR UP TO **3 YEARS** UNDER THESE CONDITIONS.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

RESPIRATORY PROTECTION: NONE GENERALLY REQUIRED. IF DESIRED USE NIOSH APPROVED RESPIRATOR.

PROTECTIVE GLOVES: USE CHEMICAL RESISTANT GLOVES.

EYE AND FACE PROTECTION: USE SPLASH GOGGLES OR FACE SHIELD, WHEN EYE CONTACT MAY OCCUR.

VENTILATION: LOCAL EXHAUST, MEETING ACGIH CRITERIA AS NEEDED.

WORK/HYGIENE PRACTICES: GOOD PERSONAL PRACTICES SHOULD BE USED. WASH AFTER ANY CONTACT. CONTAMINATED CLOTHING AND SHOES SHOULD BE CLEANED BEFORE RE-USE. DO NOT EAT, DRINK OR SMOKE AROUND CHEMICALS.

9. PHYSICAL AND CHEMICAL PROPERTIES

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BOILING POINT:	N/A
VAPOR PRESSURE (20°C) (mmHg):	1.50
VAPOR DENSITY (AIR=1):	N/A
REFRACTIVE INDEX	1.468 AT 72° F. (Sper Scientific Digital Refractometer #300033 or 300021)
SPECIFIC GRAVITY (WATER=1):	0.870 AT 72° F. (Anton Paar Density Meter DMA 35n)
DENSITY (LBS./GALLON)	7.253 AT 72° F.
MELTING POINT:	N/A
EVAP. RATE (BUTYL ACETATE=1):	N/A
SOLUBILITY IN WATER (20 C):	INSOLUBLE
PHYSICAL STATE:	LIQUID
COLOR:	COLORLESS TRANSPARENT
ODOR:	WARM MEDICINAL CAMPHOR LIKE

10. STABILITY AND REACTIVITY

STABILITY:	STABLE
HAZARDOUS POLYMERIZATION:	WILL NOT OCCUR
HAZARDOUS DECOMPOSITION:	CARBON DIOXIDE, CARBON MONOXIDE, FUMES.
INCOMPATIBILITY (MATERIALS TO AVOID):	STRONG OXIDIZING AGENTS.
CONDITIONS TO AVOID:	EXCESSIVE HEAT.

11. TOXICOLOGICAL INFORMATION

THIS MATERIAL IS **NOT** ON THE **CALIFORNIA PROP 65 LIST** OF CARCINOGENS AND REPRODUCTIVE TOXINS DATED SEPTEMBER 27, 2013.

ACUTE TOXICITY DATA:

ORAL LD 50:	3730mg/kg	rat	GHS CATEGORY 5 MAY BE HARMFUL
DERMAL LD 50:	5000mg/kg	rabbit	GHS CATEGORY - NOT CLASSIFIED
INHALATION LC 50:	N/A		

R PHRASES: R-10 FLAMMABLE
R-38 IRRITATING TO SKIN
R-43 MAY CAUSE SENSITIZATION BY SKIN CONTACT
R-50/53 VERY TOXIC TO AQUATIC ORGANISMS
R-65 HARMFUL, MAY CAUSE LUNG DAMAGE IF SWALLOWED

S PHRASES: S-24 AVOID CONTACT WITH SKIN
S-37 WEAR SUITABLE GLOVES
S-61 AVOID RELEASE INTO THE ENVIRONMENT
S-62 IF SWALLOWED, DO NOT INDUCE VOMITING TO AVOID POSSIBLE LUNG ASPIRATION

12. ECOLOGICAL INFORMATION

DO NOT ALLOW THIS MATERIAL TO ESCAPE INTO WATERS, WASTE WATER OR SOIL.

R-50/53 VERY TOXIC TO AQUATIC ORGANISMS. MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT

13. WASTE DISPOSAL METHODS

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PLACE MATERIAL AND ABSORBENT INTO SEALED CONTAINERS AND DISPOSE OF IN ACCORDANCE WITH CURRENT APPLICABLE LAWS AND REGULATIONS. **DO NOT ALLOW PRODUCT TO REACH GROUND WATER OR SEWAGE SYSTEM.** MAY BE INCINERATED IN A SUITABLE FACILITY PROVIDED LOCAL REGULATIONS ARE OBSERVED.

14. TRANSPORT INFORMATION

UN CLASS: **3 FLAMMABLE LIQUID**
PACKAGING GROUP: **III MINOR DANGER**
UN NUMBER: **1130 CAMPHOR OIL**

15. REGULATORY INFORMATION

THIS MATERIAL WAS MANUFACTURED AND/OR PROCESSED IN COMPLIANCE WITH THE IFRA (INTERNATIONAL FRAGRANCE ASSOCIATION), CODE OF PRACTICE UNDER THE 47TH AMENDMENT DATED 06/10/2013. IT IS ALSO IN COMPLIANCE WITH FDA, cGMP, COLIPA AND THE EU CHEMICALS POLICY MANUFACTURING REGULATIONS AND DIRECTIVES.

THIS MATERIAL IS **COMPLIANT** WITH THE **CALIFORNIA SAFE COSMETICS ACT of 2005 (SB484)** AND CONTAINS **NO** INGREDIENTS ON THE "CALIFORNIA SAFE COSMETICS PROGRAM – CHEMICALS KNOWN TO CAUSE CANCER OR REPRODUCTIVE TOXICITY" LIST DATED AUGUST 1, 2013.

THIS MATERIAL IS PRE-REGISTERED WITH REACH AS OF **12/01/2008**.

REACH PRE-REGISTRATION NAME (IF DIFFERENT FROM LABEL NAME):

GLOBAL INVENTORY STATUS: THIS MATERIAL IS LISTED ON:

THE US TOXIC SUBSTANCES CONTROL ACT (TSCA) INVENTORY LIST
THE CANADIAN DOMESTIC SUBSTANCES (DSL) LIST
THE AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES (AICS) LIST
THE JAPANESE EXISTING AND NEW CHEMICAL SUBSTANCES (ENCs) LIST
THE SOUTH KOREAN EXISTING CHEMICALS (ECL) LIST
THE PHILIPPINE INVENTORY OF CHEMICALS AND CHEMICAL SUBSTANCES (PICCS) LIST
THE CHINESE INVENTORY OF EXISTING CHEMICAL SUBSTANCES MANF. OR IMPORTED IN CHINA (IECSC) LIST
THE NEW ZEALAND INVENTORY OF CHEMICALS (NZIoC) LIST
THE EUROPEAN INVENTORY OF EXISTING CHEMICAL SUBSTANCES (EINECS) LIST
THE SWISS INVENTORY OF NOTIFIED NEW SUBSTANCES (INNS) LIST

16. OTHER INFORMATION

CREATED / REVISED DATE: 10/16/2013

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