



CERTIFICATE OF ANALYSIS

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| PRODUCT NAME: BENZOIN (ALCOHOL), TINCTURE |
| BATCH NUMBER: 4477101 |
| PRODUCT INCI: ALCOHOL DENAT. & STYRAX BENZOIN RESIN EXTRACT |
| CAS NUMBER: NOT LISTED |
| EINECS NUMBER: NOT LISTED. |
| BEST BEFORE DATE: JULY 2025 |

| ANALYTICAL DETAILS | RANGE | RESULTS |
|-------------------------|--------------------------------------|---------|
| APPEARANCE | LIQUID | - |
| COLOUR | AMBER YELLOW – ORANGE BROWN – BROWN. | - |
| ODOUR | CHARACTERISTIC | - |
| SPECIFIC GRAVITY @ 20°C | 0.820 - 0.870 | 0.832 |
| REFRACTIVE INDEX @ 20°C | 1.300 - 1.500 | 1.386 |
| OPTICAL ROTATION @ 20°C | -10.0 TO +10.0 | 0.16 |



Allergen Declaration:

| | | | | |
|--|--|---------------------|-------------------------------|-------------------|
| PRODUCT NAME: Benzoin Pourable | | | | |
| INCI: Dipropylene Glycol & Styrene Benzoin Resin Extract | | | | |
| COSMETIC ALLERGENS | | | | |
| The following is from the 7th Amendment of the cosmetic directive of the European Union Annex III | | | | |
| Annex III Reference: | | CAS NUMBER: | TOTAL ALLERGEN INCLUSION (%): | |
| 67 | AMYL CINNAMAL | 122-40-7 | 0.00 | |
| 68 | BENZYL ALCOHOL | 100-51-6 | 0.00 | |
| 69 | CINNAMYL ALCOHOL | 104-54-1 | 0.00 | |
| 70 | CITRAL | 5392-40-5 | 0.00 | |
| 71 | EUGENOL | 97-53-0 | 0.00 | |
| 72 | HYDROXY-CITRONELLAL | 107-75-5 | 0.00 | |
| 73 | ISOEUGENOL | 97-54-1 | 0.00 | |
| 74 | AMYL CIN-NAMYL ALCOHOL | 101-85-9 | 0.00 | |
| 75 | BENZYL SALICYLATE | 118-58-1 | 0.00 | |
| 76 | CINNAMAL | 104-55-2 | 0.00 | |
| 77 | COUMARIN | 91-64-5 | 0.00 | |
| 78 | GERANIOL | 106-24-1 | 0.00 | |
| 79 | OXY-METHYLPENTYL CYCLOHEXENECARBOXALDEHYDE | 31906-04-4 | 0.00 | |
| 80 | ANISE ALCOHOL | 105-13-5 | 0.00 | |
| 81 | BENZYL CINNAMATE | 103-41-3 | 0.16 | |
| 82 | FARNESOL | 4602-84-0 | 0.00 | |
| 83 | BUTYLPHENYL METHYLPROPIONAL | 80-54-6 | 0.00 | |
| 84 | LINALOOL | 78-70-6 | 0.00 | |
| 85 | BENZYL BENZOATE | 120-51-4 | 0.04 | |
| 86 | CITRONELLOL | 106-22-9 | 0.00 | |
| 87 | HEXYL CINNAM-ALDEHYDE | 101-86-0 | 0.00 | |
| 88 | LIMONENE | 5989-27-5 | 0.00 | |
| 89 | METHYLHEPTIN CARBONATE | 111-12-6 | 0.00 | |
| 90 | ALPHA-ISOMETHYL IONONE | 127-51-5 | 0.00 | |
| 91 | EVERNIA PRUNASTRIE EXTRACT | 90028-68-5 | 0.00 | |
| 92 | EVERNIA FURFURACEA EXTRACT | 90028-67-4 | 0.00 | |
| FOOD ALLERGENS | | | | |
| The following is from the Commission Directive 2007/68/EC of 27th November 2007 amending Annex II to Directive 2000/13/EC of the European Parliament & Council with regards to specific food ingredients | | | | |
| Annex II Reference: | | PRESENT IN PRODUCT: | CONTAMINATION PRESENCE: | FACTORY PRESENCE: |
| 1 | CEREALS CONTAINING GLUTEN) | NO | NO | YES |
| 2 | CRUSTACEANS | NO | NO | NO |
| 3 | EGGS | NO | NO | NO |
| 4 | FISH | NO | NO | NO |
| 5 | PEANUTS | NO | NO | YES |
| 6 | SOYA | NO | NO | YES |
| 7 | MILK | NO | NO | YES |
| 8 | NUTS | NO | NO | YES |
| 9 | CELERY & CELERIAC | NO | NO | NO |
| 10 | MUSTARD | NO | NO | YES |
| 11 | SESAME | NO | NO | YES |
| 12 | SULPHUR DIOXIDE & SULPHITES | NO | NO | NO |
| 13 | LUPIN | NO | NO | NO |
| 14 | MOLLUSC | NO | NO | NO |
| This material is NOT Food Grade | | | | |

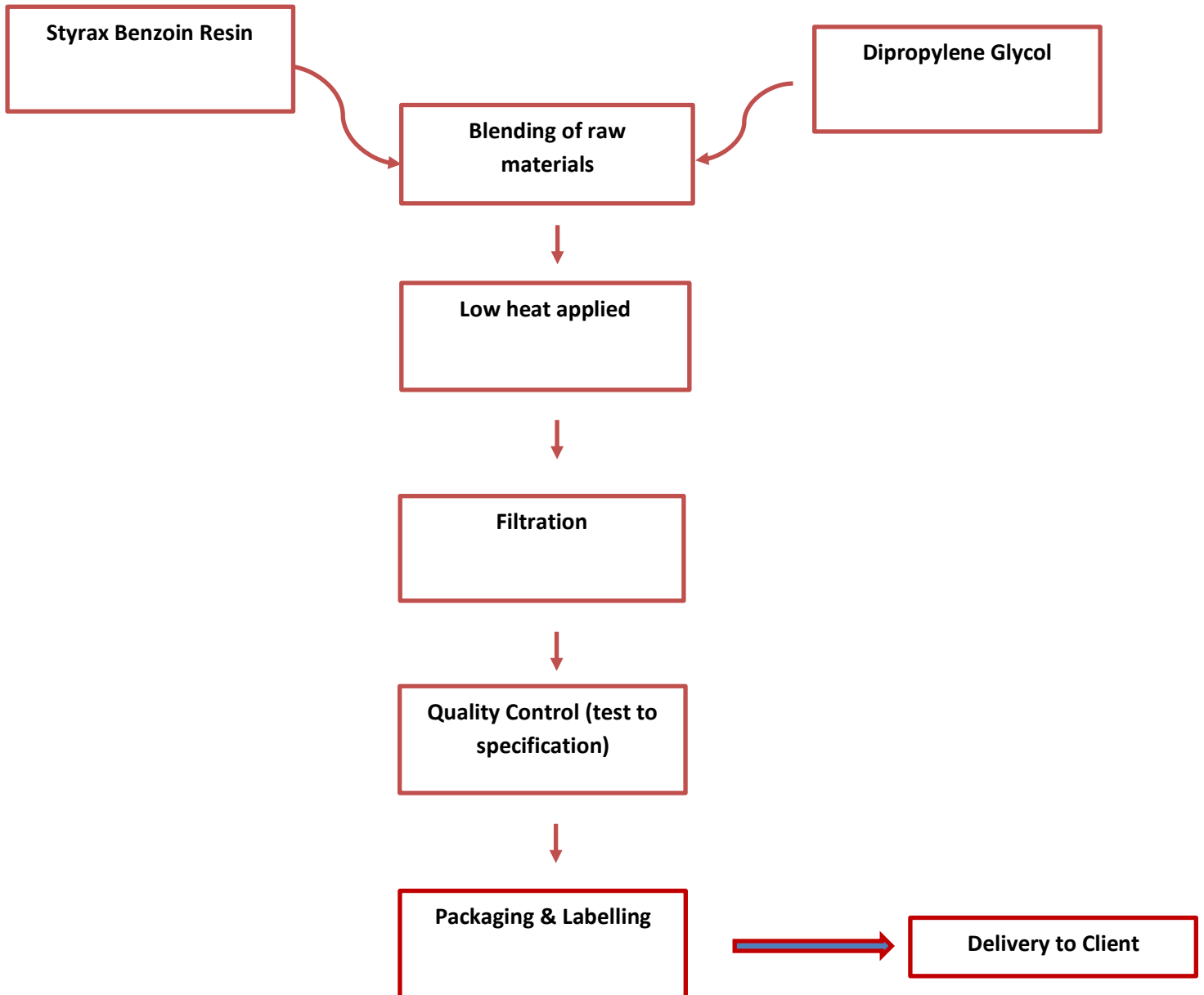


Composition Statement & Manufacturing Flow Chart:

We can hereby confirm the following composition breakdown & manufacturing process flow;

Benzoin Tincture

| INCI Name | % Inclusion | CAS Number |
|------------------------------|----------------|-----------------------|
| Dipropylene Glycol | 15 | 84929-79-3 & 110-98-5 |
| Styrax Benzoin Resin Extract | 85 | 25265-71-8 |



02/03/2020

GMO STATEMENT

We hereby state and certify that the Benzoin Tincture sold by us is not derived/ produced from a raw material that has been genetically modified.



IFRA STATEMENT

PRODUCT NAME: **BENZOIN (ALCOHOL), TINCTURE**

PRODUCT INCI: ALCOHOL DENAT. & STYRAX BENZOIN RESIN EXTRACT

MADAR CORPORATION LIMITED CERTIFY THAT THE ABOVE-MENTIONED MATERIAL CONFORMS TO THE IFRA 49 CODE OF PRACTICE AND CONTAINS THE FOLLOWING RESTRICTED COMPONENTS THAT ARE LISTED IN THE 49TH AMENDMENT OF THE IFRA CODE OF PRACTICE:

| Restricted Component | Cas No: | % Level in Product | IFRA Standard |
|----------------------|----------|--------------------|---------------|
| Benzyl Benzoate | 120-51-4 | ≤ 0.11 | Restriction |
| Benzyl Cinnamate | 103-41-3 | ≤ 0.38 | Restriction |

Additional comments:

Flavour use consideration - Due to the possible ingestion of small amounts of fragrance ingredients from their use in products in Categories 1 and 6, materials must not only comply with IFRA Standards but must also be recognized as safe as a flavouring ingredient as defined by the IOFI Code of Practice (www.iofi.org). For more details see chapter 1 of the Guidance for the use of IFRA Standards.

| IFRA Category | % Maximum Use Level |
|-------------------|---------------------|
| IFRA Category 1 | 94.00 |
| IFRA Category 2 | 28.95 |
| IFRA Category 3 | Not restricted |
| IFRA Category 4 | Not restricted |
| IFRA Category 5A | Not restricted |
| IFRA Category 5B | Not restricted |
| IFRA Category 5C | Not restricted |
| IFRA Category 5D | 44.74 |
| IFRA Category 6 | Not restricted |
| IFRA Category 7A | Not restricted |
| IFRA Category 7B | Not restricted |
| IFRA Category 8 | 44.74 |
| IFRA Category 9 | Not restricted |
| IFRA Category 10A | Not restricted |
| IFRA Category 10B | Not restricted |
| IFRA Category 11A | 44.74 |



| | |
|-------------------|----------------|
| IFRA Category 11B | 44.74 |
| IFRA Category 12 | Not restricted |

| IFRA Category | Product Type | Flavour Use | Phototoxicity |
|---------------|--|-------------|--|
| Category 1 | Lip Products of all types (solid and liquid lipsticks, balms, clear or coloured, etc.). Children's toys. | Yes | Applicable (leave-on products) |
| Category 2 | Deodorant and antiperspirant products of all types including any product with intended or reasonably foreseeable use on the axillae or labelled as such (spray, stick, roll-on, under-arm, deo-cologne, etc.). Body sprays (including body mist) | No | Applicable (leave-on products) |
| Category 3 | Eye products of all types (eye shadow, mascara, eyeliner, eye make-up, eye masks, eye pillows, etc.) including eye care and moisturizer Facial make up and foundation. Make-up remover for face and eyes. Nose pore strips. Wipes or refreshing tissues for face, neck, hands, body. Body and face paint (for children and adults). Facial masks for face and around the eyes | No | Applicable (leave-on products) |
| Category 4 | Hydro alcoholic and non-hydro alcoholic fine fragrance of all types (Eau de Toilette, Parfum, Cologne, solid perfume, fragrancing cream, aftershaves of all types, etc.). Fragranced bracelets. Ingredients of perfume kits and fragrance mixtures for cosmetic kits. Scent pads, foil packs. Scent strips for hydro alcoholic products | No | Applicable (leave-on products) |
| Category 5A | Body creams, oils, lotions of all types. Foot care products (creams and powders). Insect repellent (intended to be applied to the skin). All powders and talc (excluding baby powders and talc). | No | Applicable (leave-on products) |
| Category 5B | Facial toner. Facial moisturizers and creams | No | Applicable (leave-on products) |
| Category 5C | (women facial creams) Hand cream. Nail care products including cuticle creams, etc. Hand sanitizers | No | Applicable (leave-on products) |
| Category 5D | Baby cream/lotion, baby oil, baby powders and talc. | No | Applicable (leave-on products) |
| Category 6 | Toothpaste. Mouthwash, including breath sprays. Toothpowder, strips, mouthwash tablets | Yes | Applicable (leave-on products) |
| Category 7A | Hair permanent or other hair chemical treatments (rinse-off) (e.g. relaxers), including rinse-off hair dyes | No | Applicable (leave-on products) |
| Category 7B | Hair sprays of all types (pumps, aerosol sprays, etc.). Hair styling aids non-sprays (mousse, gels, leave-on conditioners). Hair permanent or other hair chemical treatments (leave-on) (e.g. relaxers), including leave-on hair dyes. Shampoo - Dry (waterless shampoo). Hair deodorizer | No | Applicable (leave-on products) |
| Category 8 | Intimate wipes. Tampons. Baby wipes. Toilet paper (wet). | No | Applicable (leave-on products) |
| Category 9 | Bar soap. Shampoo of all type. Cleanser for face (rinse-off). Conditioner (rinse-off). Liquid soap. Body washes and shower gels of all types. Baby wash, bath, shampoo. Bath gels, foams, mousses, salts, oils and other products added to bathwater. Foot care products (feet are placed in a bath for soaking). Shaving creams of all types (stick, gels, foams, etc.). All depilatories (including facial) and waxes for mechanical hair removal. Shampoos for pets | NO | Applicable (rinse-off products) |
| Category 10A | Hand wash laundry detergent (including concentrates). Laundry pre-treatment of all types (e.g. paste, sprays, sticks). Hand dishwashing detergent (including concentrates). Hard surface cleaners of all types (bathroom and kitchen cleansers, furniture polish, etc.). Machine laundry detergents with skin contact (e.g. liquids, powders) including concentrates. Dry cleaning kits. Toilet seat wipes. Fabric softeners of all types including fabric softener sheets. Household cleaning products, other types including fabric cleaners, soft surface cleaners, carpet cleaners, furniture polishes sprays and wipes, leather cleaning wipes, stain removers, fabric enhancing sprays, treatment products for textiles (e.g. starch sprays, fabric treated with fragrances after wash, deodorizers for textiles or fabrics). Floor wax. Fragranced oil for lamp ring, reed diffusers, pot-pourri, liquid refills for air fresheners (non-cartridge systems), etc. Ironing water (Odorized distilled water). | NO | Applicable (rinse-off products) |
| Category 10B | Animal sprays – sprays applied to animals of all types. Air freshener sprays, manual, including aerosol and pump. Aerosol/spray insecticides | NO | Applicable (rinse-off products) |
| Category 11A | Feminine hygiene conventional pads, liners, interlabial pads. Diapers (baby and adult). Adult incontinence pant, pad. Toilet paper (dry). | NO | Not applicable (leave-on products without UV exposure) |
| Category 11B | Tights with moisturizers. Scented socks, gloves. Facial tissues (dry tissues). Napkins. Paper towels. Wheat bags. Facial masks (paper/protective) e.g. surgical masks not used as medical device. Fertilizers, solid (pellet or powder). | NO | Applicable (leave-on products) |



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|-------------|--|----|--|
| Category 12 | Candles of all types (including encased). Laundry detergents for machine wash with minimal skin contact (e.g. Liquid tabs, pods). Automated air fresheners and fragrancing of all types (concentrated aerosol with metered doses (range 0.05-0.5mL/spray), plug-ins, closed systems, solid substrate, membrane delivery, electrical, powders, fragrancing sachets, incense, liquid refills (cartridge), air freshening crystals). Air delivery systems. Cat litter. Cell phone cases. Deodorizers/maskers not intended for skin contact (e.g. fabric drying machine deodorizers, carpet powders). Fuels. Insecticides (e.g. mosquito coil, paper, electrical, for clothing) excluding aerosols/sprays. Joss sticks or incense sticks. Dish wash detergent and deodorizers – for machine wash. Olfactive board games. Paints. Plastic articles (excluding toys). Scratch and sniff. Scent pack. Scent delivery system (using dry air technology). Shoe polishes. Rim blocks (Toilet). | NO | Not applicable (non-skin contact products) |
|-------------|--|----|--|



Material Safety Data Sheet

EU Regulation: 1907/2006

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

| | | | | | |
|---|--|--------|------------|------------|------------|
| 1.1 PRODUCT IDENTIFICATION | | | | | |
| PRODUCT NAME | BENZOIN (ALCOHOL), TINCTURE | | | | |
| BIOLOGICAL DEFINITION | A MIXTURE OF BENZOIN STYRAX IN ALCOHOL. | | | | |
| INCI NAME | ALCOHOL DENAT. & STYRAX BENZOIN RESIN EXTRACT | | | | |
| SYNONYMS & TRADE NAMES | N/A | | | | |
| | | | | | |
| CAS-No | NOT LISTED | EC No. | NOT LISTED | EINECS No. | NOT LISTED |
| | | | | | |
| 1.2 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET | | | | | |
| COMPANY ADDRESS | Madar Corporation Limited 19 - 20 Sandleheath Industrial Estate, Fordingbridge, SP6 1PA | | | | |
| EMAIL | technical@madarcorporation.co.uk | | | | |
| 1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET | | | | | |
| EMERGENCY CONTACTS | 01425 655555 | | | | |

SECTION 2: HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

CLASSIFICATION (67/548/EEC)

THE FULL TEXT FOR ALL HAZARD STATEMENTS ARE DISPLAYED IN SECTION 16.

CLASSIFICATION (EU1272/2008)

PHYSICAL HAZARDS: FLAM. LIQ. 2 - H225
HEALTH HAZARDS: EYE IRRIT. 2 - H319, STOT RE 2 - H373
ENVIRONMENTAL HAZARDS: NOT CLASSIFIED

2.2 LABEL ELEMENTS

LABEL IN ACCORDANCE WITH REGULATION (EC) No 1272/2008.

GHS LABEL



GHS02



GHS07



GHS08

SIGNAL WORD

DANGER

CONTAINS

ETHANOL, BENZOIC ACID.

HAZARDS STATEMENT

H225 HIGHLY FLAMMABLE LIQUID AND VAPOUR.
H319 CAUSES SERIOUS EYE IRRITATION.
H373 MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE.
EUH208: CONTAINS: (BENZYL CINNAMATE, NEROLIDOL, MIXED ISOMERS) MAY PRODUCE AN ALLERGIC REACTION.

SIGNAL WORD

NONE.

PRECAUTIONARY STATEMENTS

P210 KEEP AWAY FROM HEAT, HOT SURFACES, SPARKS, OPEN FLAMES AND OTHER IGNITION SOURCES. NO SMOKING.
P241 USE EXPLOSION-PROOF ELECTRICAL/VENTILATING/LIGHTING/EQUIPMENT.
P242 USE NON-SPARKING TOOLS.
P243 TAKE ACTION TO PREVENT STATIC DISCHARGES.
P261 AVOID BREATHING VAPOURS/SPRAY.
P280 WEAR PROTECTIVE GLOVES/PROTECTIVE CLOTHING/EYE PROTECTION/FACE PROTECTION
P305+P351+P338 IF IN EYES: RINSE CAUTIOUSLY WITH WATER FOR SEVERAL MINUTES. REMOVE CONTACT LENSES, IF PRESENT AND EASY TO DO. CONTINUE RINSING.
P314 GET MEDICAL ADVICE/ATTENTION IF YOU FEEL UNWELL.
P337+P313 IF EYE IRRITATION PERSISTS: GET MEDICAL ADVICE/ATTENTION
P501 DISPOSE OF CONTENTS IN ACCORDANCE WITH LOCAL, STATE OR NATIONAL LEGISLATION

SUPPLEMENTARY PRECAUTIONARY STATEMENTS

P264 WASH HANDS AND EXPOSED SKIN THOROUGHLY AFTER HANDLING.

SECTION 16 (OTHER INFORMATION): RISK & SAFETY PHRASES IN FULL.

2.3 OTHER HAZARDS

ADVERSE PHYSIO-CHEMICAL PROPERTIES

NO ADDITIONAL DATA AVAILABLE.

ADVERSE EFFECTS ON HUMAN HEALTH

NO ADDITIONAL DATA AVAILABLE.

PBT OR VPVB ACCORDING TO ANNEX XIII

NO ADDITIONAL DATA AVAILABLE.

SECTION 3: COMPOSITION OF INGREDIENTS

3.1 SUBSTANCES

85% ALCOHOL DENAT. CAS No: 64-17-5 EC No: 200-578-6
CLASSIFICATION (EC 1272/2008) FLAM. LIQ. 2 - H225, EYE IRRIT. 2 - H319

≤ 2.9% BENZOIC ACID CAS No: 65-85-0 EC No: 200-618-2
CLASSIFICATION (EC 1272/2008) SKIN IRRIT. 2 - H315, EYE DAM. 1 - H318, STOT RE 1 - H372

≤ 0.75% VANILLIN CAS No: 121-33-5 EC No: 204-465-2
CLASSIFICATION (EC 1272/2008) EYE IRRIT. 2 - H319



| | |
|---------------------|---|
| | <p>≤ 0.38% BENZYL CINNAMATE CAS No: 103-41-3 EC No: 203-109-3 CLASSIFICATION (EC 1272/2008) SKIN SENS. 1B - H317, AQUATIC ACUTE 1 - H400, AQUATIC CHRONIC 2 - H411</p> <p>≤ 0.15% NEROLIDOL, MIXED ISOMERS CAS No: 7212-44-4 EC No: 230-597-5 CLASSIFICATION (EC 1272/2008) SKIN SENS. 1B - H317, EYE IRRIT. 2 - H319, AQUATIC ACUTE 1 - H400, AQUATIC CHRONIC 1 - H410</p> <p>≤ 0.11% BENZYL BENZOATE CAS No: 120-51-4 EC No: 204-402-9 CLASSIFICATION (EC 1272/2008) ACUTE TOX. 4 - H302, AQUATIC CHRONIC 2 - H411</p> |
| 3.2 MIXTURES | NOT APPLICABLE. |

| SECTION 4: FIRST AID MEASURES | |
|--|---|
| 4.1 DESCRIPTION OF FIRST AID MEASURES | |
| GENERAL INFORMATION | ALWAYS REMOVE CONTAMINATED CLOTHING IMMEDIATELY. |
| INHALATION | REMOVE FROM EXPOSURE SITE TO FRESH AIR, KEEP AT REST, AND OBTAIN MEDICAL ATTENTION. |
| INGESTION | DO NOT INDUCE VOMITING. INGESTION MAY CAUSE NAUSEA AND VOMITING. IMMEDIATELY RINSE MOUTH AND PROVIDE FRESH AIR. GET MEDICAL ADVICE/ATTENTION. |
| SKIN CONTACT | REMOVE CONTAMINATED CLOTHES. WASH THOROUGHLY WITH SOAP AND WATER. CONTACT PHYSICIAN IF IRRITATION PERSISTS. |
| EYE CONTACT | IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR UP TO 15 MINUTES. REMOVE ANY CONTACT LENSES AND OPEN EYES WIDE APART. GET MEDICAL ADVICE/ATTENTION. CONTINUE TO RINSE. |
| 4.2 MOST IMPORTANT SYMPTOMS & EFFECTS (ACUTE & DELAYED) | NONE EXPECTED, SEE SECTION 4.1 FOR FURTHER INFORMATION. |
| 4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION OR SPECIAL TREATMENT REQUIRED | TREAT SYMPTOMATICALLY. |

| SECTION 5: FIRE FIGHTING MEASURES | |
|--|---|
| 5.1 EXTINGUISHING MATERIAL | FOAM, CO ₂ , DRY CHEMICAL POWDER. |
| 5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE | A FIRE WILL OFTEN PRODUCE A THICK BLACK SMOKE. EXPOSURE TO DECOMPOSITION PRODUCTS MAY BE HAZARDOUS TO HEALTH. DO NOT BREATHE IN SMOKE. THERMAL DECOMPOSITION OR COMBUSTION PRODUCTS MAY INCLUDE THE FOLLOWING SUBSTANCES: CARBON DIOXIDE (CO ₂), CARBON MONOXIDE (CO), OTHER TOXIC GASES. CONTAINERS CLOSE TO FIRE SHOULD BE REMOVED OR COOLED WITH WATER. |
| 5.3 ADVICE FOR FIRE-FIGHTERS | AVOID INHALATION OF GENERATED FUMES OR VAPOURS. WEAR SELF-CONTAINED BREATHING APPARATUS AND APPROPRIATE PROTECTIVE CLOTHING. |

| SECTION 6: ACCIDENTAL RELEASE MEASURES | |
|---|---|
| 6.1 PERSONAL PRECAUTIONS | WEAR PROTECTIVE CLOTHING AS DESCRIBED IN SECTION 8 OF THIS SAFETY DATA SHEET. HANDLE THE PRODUCT USING PROTECTIVE GLOVES RESISTANT TO THE CHEMICALS EXPOSED. AVOID CONTACT WITH SKIN AND INHALATION OF ITS VAPOURS. MAINTAIN ADEQUATE VENTILATION IN THE WORKING AREA AFTER SPILLING. |
| 6.2 ENVIRONMENTAL PRECAUTIONS | DO NOT DISCHARGE INTO DRAINS, WATER COURSES OR ONTO THE GROUND. DISPOSE OF IN LINE WITH LOCAL AUTHORITY GUIDELINES. |
| 6.3 METHODS & MATERIAL FOR CONTAINMENT AND CLEANING UP | REMOVE IGNITION SOURCES. PROVIDE ADEQUATE VENTILATION. AVOID EXCESSIVE INHALATION OF VAPOURS. CONTAIN SPILLAGE IMMEDIATELY BY USE OF SAND OR INERT POWDER. DISPOSE OF ACCORDING TO LOCAL REGULATIONS. |
| 6.4 REFERENCES TO OTHER SECTIONS | REFER & CONSIDER SECTIONS 4, 7, 8 & 13. |

| SECTION 7: HANDLING & STORAGE | |
|-------------------------------|--|
|-------------------------------|--|

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|---|---|
| 7.1 PRECAUTIONS FOR SAFE-HANDLING | HANDLE IN ACCORDANCE WITH GOOD HYGIENE AND SAFETY PRACTICE. KEEP AWAY FROM HEAT, SPARKS, OPEN FLAMES AND HOT SURFACES. - NO SMOKING. USE PERSONAL PROTECTIVE EQUIPMENT AS REQUIRED. USE IN ACCORDANCE WITH GOOD MANUFACTURING AND INDUSTRIAL HYGIENE PRACTICES. USE IN AREAS WITH ADEQUATE VENTILATION DO NOT EAT, DRINK OR SMOKE WHEN USING THIS PRODUCT. |
| 7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES | KEEP THE PRODUCT CONTAINER TIGHTLY CLOSED, IN A DRY, VENTILATED AREA. KEEP AWAY FROM POTENTIAL SOURCES OF IGNITION AND PROTECTED FROM LIGHT. MAINTAIN LIMITED CONTACT WITH OXYGEN. |
| 7.3 SPECIFIC END USE(S) | SUITABLE FOR USE IN COSMETICS, FRAGRANCES AND PROFESSIONAL APPLICATIONS ONLY. |
| SECTION 8: EXPOSURE CONTROLS & PERSONAL PROTECTION | |
| 8.1 CONTROL PARAMETERS | <p>OCCUPATIONAL EXPOSURE LIMITS</p> <p>ETHANOL CAS NO: 64-17-5</p> <p>LTEL (8 HR TWA) 1000PPM</p> <p>LTEL (8 HR TWA) 1920MG/M³</p> <p>LTEL – LONG TERM EXPOSURE LIMIT</p> <p>SOURCE UK WORKPLACE EXPOSURE LIMITS EH40/2005 (FOURTH EDITION, PUBLISHED 2020)</p> |
| 8.2 EXPOSURE CONTROLS |  |
| EYE PROTECTION | WEAR PROTECTIVE GOGGLES TO PREVENT EYE CONTACT. |
| HAND PROTECTION | AVOID SKIN CONTACT. WEAR PROTECTIVE GLOVES. |
| RESPIRATORY EQUIPMENT | UNDER NORMAL CONDITIONS OF USE AND WHERE ADEQUATE VENTILATION IS AVAILABLE TO PREVENT BUILD UP OF EXCESSIVE VAPOUR, THIS MATERIAL SHOULD NOT REQUIRE SPECIAL ENGINEERING CONTROLS. HOWEVER, IN CONDITIONS OF HIGH OR PROLONGED USE, OR HIGH TEMPERATURE OR OTHER CONDITIONS WHICH INCREASE EXPOSURE, THE FOLLOWING ENGINEERING CONTROLS CAN BE USED TO MINIMISE EXPOSURE TO PERSONNEL: A) INCREASE VENTILATION OF THE AREA WITH LOCAL EXHAUST VENTILATION. B) PERSONNEL CAN USE AN APPROVED, APPROPRIATELY FITTED RESPIRATOR WITH ORGANIC VAPOUR CARTRIDGE OR CANISTERS AND PARTICULATE FILTERS. C) USE CLOSED SYSTEMS FOR TRANSFERRING AND PROCESSING THIS MATERIAL. ALSO REFER TO SECTIONS 2 AND 7. |
| HYGIENE MEASURES | GOOD PERSONAL HYGIENE PRACTICES ARE ALWAYS ADVISABLE, ESPECIALLY WHEN WORKING WITH CHEMICALS / OILS. |
| ENGINEERING MEASURES | PROVIDE ADEQUATE VENTILATION OR RESPIRATORY PROTECTION. |
| SKIN PROTECTION | WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT SKIN CONTACT. WORK CLOTHING WORN BY PERSONNEL SHOULD BE LAUNDERED REGULARLY. AFTER CONTACT WITH THE PRODUCT, ALL PARTS OF THE BODY THAT HAVE BEEN EXPOSED MUST BE WASHED THOROUGHLY. |
| PERSONAL PROTECTION | AVOID INHALATION OF THE PRODUCT. AVOID CONTACT WITH SKIN AND EYES. |
| OTHER PROTECTION | SLIP PROOF SHOES MAY BE WORN IN EVENT OF SPILLAGES. WEAR APPROPRIATE CLOTHING TO PREVENT ANY POSSIBILITY OF SKIN CONTACT. |
| PROCESS CONDITIONS | ENSURE AREA IS WELL VENTILATED. AVOID VAPOUR INHALATION. |
| ENVIROMENTAL EXPOSURE CONTROLS | AVOID DISCHARGING INTO DRAINAGE WATER. ONLY ELIMINATE BY AUTHORISED COMPANIES. |
| SECTION 9: PHYSICAL & CHEMICAL PROPERTIES | |



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| 9.1 PHYSICAL & CHEMICAL PROPERTIES | |
| APPEARANCE | LIQUID |
| COLOUR | AMBER YELLOW – ORANGE BROWN – BROWN. |
| ODOUR | CHARACTERISTIC. |
| RELATIVE DENSITY @ 20°C | APPROX. 0.845 @ 20°C |
| FLASH POINT (°C) | 19°C. |
| REFRACTIVE INDEX @ 20 °C | APPROX. 1.400 @ 20°C |
| SOLUBILITY IN WATER @ 20 °C | INSOLUBLE IN WATER. |
| 9.2 OTHER INFORMATION | NO DATA. |
| SECTION 10: STABILITY & REACTIVITY | |
| 10.1 REACTIVITY | IT PRESENTS NO SIGNIFICANT REACTIVITY HAZARDS, BY ITSELF OR IN CONTACT WITH WATER. |
| 10.2 CHEMICAL STABILITY | STABLE UNDER SUGGESTED STORAGE CONDITIONS. |
| 10.3 POSSIBILITY OF HAZARDOUS REACTIONS | NOT EXPECTED UNDER NORMAL CONDITIONS OF USE. |
| 10.4 CONDITIONS TO AVOID | KEEP AWAY FROM HEAT, HOT SURFACES, SPARKS, OPEN FLAMES AND OTHER IGNITION SOURCES. PREVENT STORING THE PRODUCT IN OPEN CONTAINERS FOR LONG PERIODS TO PREVENT PRODUCT DETERIORATION. |
| 10.5 INCOMPATIBLE MATERIALS | AVOID CONCENTRATED ACIDS, ALKALIS & OXIDISING AGENTS. |
| 10.6 HAZARDOUS DECOMPOSITION PRODUCTS | THIS PRODUCT DOES NOT DECOMPOSE UNDER NORMAL CONDITIONS. UNDER FIRE CONDITIONS THE PRODUCT WILL PRODUCE A MIXTURE OF IRRITATING FUMES & SMOKE (CARBON MONOXIDE & CARBON DIOXIDE). |

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| SECTION 11: TOXICOLOGICAL INFORMATION | |
| 11.1 TOXICOLOGICAL EFFECTS | |
| ACUTE TOXICITY | NOT CLASSIFIED. |
| SKIN IRRITATION | CAUSES MILD SKIN IRRITATION. |
| EYE DAMAGE OR IRRITATION | CAUSES SERIOUS EYE IRRITATION. |
| RESPIRATORY OR SKIN SENSITIVITY | NOT CLASSIFIED. |
| GERM CELL MUTAGENICITY | NOT CLASSIFIED. |
| CARCINOGENICITY | NOT CLASSIFIED. |
| REPRODUCTIVE TOXICITY | NOT CLASSIFIED. |
| STOT – SINGLE EXPOSURE | NOT CLASSIFIED. |
| STOT – REPEATED EXPOSURE | MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE. |
| ASPIRATION HAZARD | NOT CLASSIFIED. |
| OTHER INFORMATION | NO ADDITIONAL DATA AVAILABLE. |
| SECTION 12: ECOLOGICAL INFORMATION | |
| 12.1 TOXICITY | NOT CLASSIFIED. |



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| 12.2 PERSISTENCE & DEGRADABILITY | NO ADDITIONAL DATA AVAILABLE. |
| 12.3 BIO- ACCUMULATIVE POTENTIAL | NO ADDITIONAL DATA AVAILABLE. |
| 12.4 MOBILITY IN SOIL | PREVENT CONTAMINATION OF SOIL, GROUND AND SURFACE WATER. |
| 12.5 RESULTS OF PBT & VPVB ASSESSMENT | NO ADDITIONAL DATA AVAILABLE. |
| 12.6 OTHER ADVERSE EFFECTS | DO NOT ALLOW PRODUCT TO ENTER STREAMS, SEWERS OR OTHER WATERWAYS. |

SECTION 13: DISPOSAL INFORMATION

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| 13.1 WASTE TREATMENT METHODS | <p>DO NOT ALLOW ENTRY INTO DRAINS OR WATERWAYS.</p> <p>WASTE: WASTE MANAGEMENT IS CARRIED OUT WITHOUT ENDANGERING HUMAN HEALTH, WITHOUT HARMING THE ENVIRONMENT AND, IN PARTICULAR WITHOUT RISK TO WATER, AIR, SOIL, PLANTS OR ANIMALS. RECYCLE OR DISPOSE OF WASTE IN COMPLIANCE WITH CURRENT LEGISLATION, PREFERABLY VIA A CERTIFIED COLLECTOR OR COMPANY. DO NOT CONTAMINATE THE GROUND OR WATER WITH WASTE. DO NOT DISPOSE OF WASTE INTO THE ENVIRONMENT.</p> <p>SOILED PACKAGING: EMPTY CONTAINER COMPLETELY. KEEP LABEL(S) ON CONTAINER. DISPOSE OF VIA A CERTIFIED DISPOSAL CONTRACTOR.</p> |
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SECTION 14: TRANSPORT INFORMATION

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| 14.1 TRANSPORT INFORMATION | |
| UN NUMBER | <p>ROAD: 1170</p> <p>SEA: 1170</p> <p>AIR: 1170</p> |
| 14.2 UN SHIPPING NAME | ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION) |
| 14.3 TRANSPORT HAZARD CLASS(ES) | <p>ADR/RID ADR/RID— CLASS 3 ADR CLASSIFICATION CODE — F1 SPECIAL PROVISIONS — 144 601 LIMITED QUANTITIES — 1L EXPECTED QUANTITIES — E2 EMERGENCY ACTION CODE — •2YE TUNNEL RESTRICTION CODE — D/E</p> <p>IMDG IMDG — CLASS 3 SPECIAL PROVISIONS — 144 601 LIMITED QUANTITIES — 1L EXPECTED QUANTITIES — E2 IMDG EMS — F-E, S-D STOWAGE AND HANDLING — CATEGORY A</p> |



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| | <p>TRANSPORT LABELS:</p>  |
| 14.4 PACKING GROUP | ADR/RID PACKING GROUP II IMDG PACKING GROUP II ICAO PACKING GROUP II |
| 14.5 ENVIROMENTAL HAZARDS | NOT AN ENVIRONMENTALLY HAZARDOUS SUBSTANCE/MARINE POLLUTANT. |
| 14.6 SPECIAL PRECAUTIONS FOR USER | SEE SECTIONS 6-8. |
| 14.7 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL73/78 & THE IBC CODE. | NOT APPLICABLE. |
| SECTION 15: REGULATORY INFORMATION | |
| 15.1 PRODUCT SPECIFIC SAFETY, HEALTH & ENVIRONMENTAL REGULATIONS & LEGISLATION | |
| EU DIRECTIVES | REGULATION (EC) NO 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL OF 18 TH DECEMBER 2006. CONCERNING THE REGISTRATION, EVALUATION, AUTHORIZATION & RESTRICTION OF CHEMICALS (REACH), ESTABLISHING A EUROPEAN CHEMICALS AGENCY, AMENDING DIRECTIVE 1999/45/EC AND REPEALING COUNCIL REGULATION (EEC) NO793/93 & COMMISSION REGULATION (EC) NO1488/94 AS WELL AS COUNCIL DIRECTIVE 76/769/EEC & COMMISSION DIRECTIVE 91/155/ECC, 93/67/ECC, 93/105/EEC & 2000/21/EC (INCLUDING AMENDMENTS). |
| STATUTORY INSTRUMENTS | THE CHEMICALS (HAZARD INFORMATION & PACKAGING FOR SUPPLY REGULATIONS 2009 (S.I.2009 NO 716). |
| APPROVED CODE OF PRACTICE | CLASSIFICATION & LABELLING OF SUBSTANCES & PREPARATIONS DANGEROUS FOR SUPPLY. SAFETY DATA SHEETS FOR SUBSTANCES & PREPARATIONS. |
| GUIDANCE NOTES | WORKPLACE EXPOSURE LIMITS EH40. CHIP FOR EVERYONE HSG 108. |
| 15.2 CHEMICAL SAFETY ASSESSMENT | ASSESSMENT HAS NOT BEEN CARRIED OUT AS THIS IS A NON-HAZARDOUS MATERIAL ACCORDING TO ARTICLE 31 OF REACH 1907/2006. |
| SECTION 16: OTHER INFORMATION | |
| ENVIROMENTAL | H225 HIGHLY FLAMMABLE LIQUID AND VAPOUR. H302 HARMFUL IF SWALLOWED. H315 CAUSES SKIN IRRITATION. H317 MAY CAUSE AN ALLERGIC SKIN REACTION. H319 CAUSES SERIOUS EYE IRRITATION. H372 CAUSES DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE. H373 MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE. H400 VERY TOXIC TO AQUATIC LIFE. H410 VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS. H411 TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS. |
| TRAINING INSTRUCTIONS: REFER TO POSSIBLE HAZARD BEFORE USE OF THIS PRODUCT. | |
| ABBREVIATIONS & ACRONYMS: | |
| MSDS | MATERIAL SAFETY DATA SHEET. |



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| INCI | INTERNATIONAL NOMENCLATURE OF COSMETIC INGREDIENTS. |
| CAS | CHEMICAL ABSTRACT SERVICE. |
| IMDG | INTERNATIONAL MARITIME CODE FOR DANGEROUS GOODS. |
| ADR | ACCORD EUROPEAN SUR LE TRANSPORT DES MARCHANDISES DANGEREUSES PAR ROUTE (EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD). |
| RID | INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY RAIL. |
| ICAO | INTERNATIONAL CIVIL AVIATION ORGANIZATION. |
| ADN | INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY INLAND WATERWAYS. |
| GHS | GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION & LABELLING OF CHEMICALS. |
| TREM CARD | TRANSPORT EMERGENCY CARD. |
| STOT | SPECIFIC TARGET ORGAN TOXICITY. |

DOCUMENTATION REVISION

| DATE | CHANGE DESCRIPTION |
|------|--------------------|
| 2021 | DATA LAUNCH |
| | |
| | |



SPECIFICATION SHEET

PRODUCT NAME: BENZOIN (ALCOHOL), TINCTURE

PRODUCT INCI: ALCOHOL DENAT. & STYRAX BENZOIN RESIN EXTRACT

CAS NUMBER: NOT LISTED

EINECS NUMBER: NOT LISTED.

SHELF LIFE / BEST BEFORE: 24 MONTHS

| ANALYTICAL DETAILS | RANGE |
|-------------------------|--------------------------------------|
| APPEARANCE | LIQUID |
| COLOUR | AMBER YELLOW – ORANGE BROWN – BROWN. |
| ODOUR | CHARACTERISTIC |
| SPECIFIC GRAVITY @ 20°C | 0.820 - 0.870 |
| REFRACTIVE INDEX @ 20°C | 1.300 - 1.500 |
| OPTICAL ROTATION @ 20°C | -10.0 TO +10.0 |

STORAGE CONDITIONS

STORE IN A COOL DRY PLACE AWAY FROM HEAT & SUNLIGHT

DOCUMENTATION REVIEW DATE:

2021



Vegetarian & Vegan Suitability Statement

PRODUCT NAME: **Benzoin Tincture**

MADAR Corporation Limited can confirm that the above listed product does not contain dairy or any other animal product, by product or derivative and is therefore suitable for vegetarian and vegan use.

02/02/2020