

Certificate of Analysis

PRODUCT DETAILS		
Product Name	MENTHOL CRYSTALS	
Product Code	RMMENTCRYS	
Chemical Name	2-isopropyl-5-methylcyclohexanol	
Best Before Date	SEPTEMBER 2027	
Batch Number	4554709	
Manufacturing Process	Steam distillation of plant - filtration - chilling - melting - blending - distillation - filtration - crystallisation - centrifugation - seiving - packing.	
Identification	CAS No: 2216-51-5	EINECS No: 218-690-9
	FEMA No: 2665	Alternative Cas:
PHYSICAL AND CHEMICAL CHARACTERISTIC		
	SPECIFICATION RANGES	RESULTS
Appearance	Crystalline Solid (Crystals)	Conforms
Colour	White / off - white	Conforms
Odour	Characteristic	Conforms
Melting Point	≥ 41 to $\leq 43^{\circ}\text{C}$	42-42.5
Optical Rotation	-45° to -51°C	-49.45
Purity by GC	min 99%	99.4
STORAGE AND SHELF LIFE		
Storage	Store in tightly sealed original containers, in a cool, dry, well ventialed place.	
Shelf Life	36 months unopened and stored as above.	

ALLERGEN 2023 DECLARATION

We hereby confirm that the following item contains the components listed below. Stated are the total levels added plus levels from natural ingredients. The information is supplied to enable compliance with Cosmetic and Detergent regulations.

MENTHOL CRYSTALS CHINESE

Ingredient	CAS	EC	Concentration (%)
Menthol	89-78-1, 1490-04-6, 2216-51-5, 15356-60-2	201-939-0, 216-074-4, 218-690-9, 239-387-8	200%

Please note components <1ppm are not shown.

MYSTIC MOMENTS

CMR (Carcinogenic, mutagenic, reprotoxic) STATEMENT

We hereby confirm, to the best of our knowledge and from information received from our supplier, that the below mentioned product does not contain any CMR Substances.

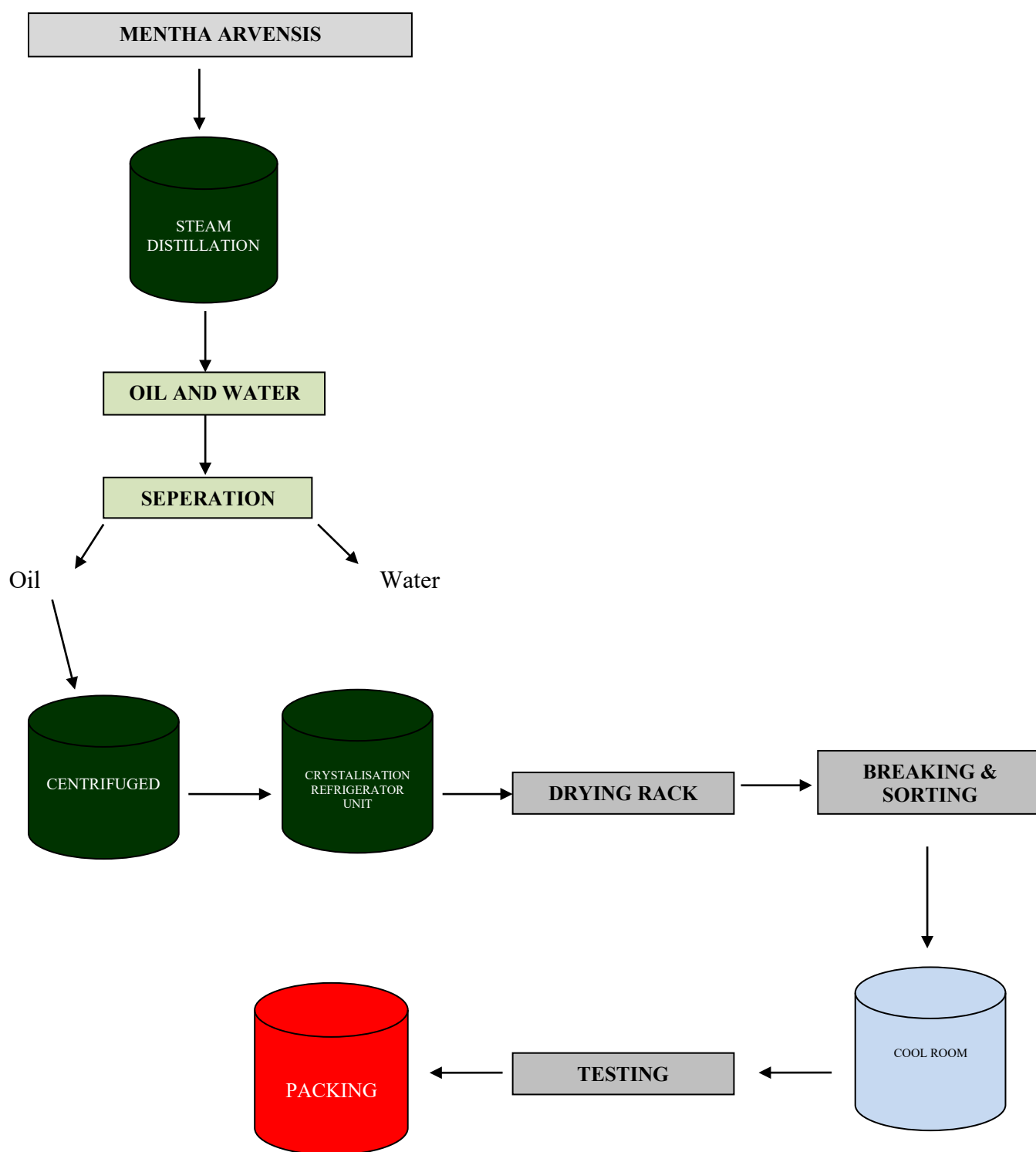
However, due to the fact that we do not analyse the batches, we cannot guarantee any explicit assurance.

Product: Menthol Crystals Chinese

15 December 2021

MYSTIC MOMENTS

MENTHOL CRYSTALS FLOW CHART



GMO Statement

IDENTIFICATION	
Product:	MENTHOL CRYSTALS CHINESE
Cas No:	2216-51-5
EINECS No:	218-690-9
STATEMENT	
<p>Referring to Regulation (EC) No 1829/2003 of 22nd September 2003 on genetically modified food and feed and Regulation (EC) No 1830/2003 of 22nd September 2003 concerning the traceability and labelling of genetically modified organisms and the traceability of food and feed products produced from genetically modified organisms, we have proofed with our supplier if the above mentioned product is subject of these legislations.</p> <p>According to our current knowledge and supplier's information we assume that this product has not been produced of nor contain any genetically modified organism. Therefore, it does not fall under the scope of the legislations mentioned above.</p> <p>However, due to the fact that we do not analyse the batches, we cannot guarantee any explicit assurance.</p> <p>31/01/2024</p>	

CERTIFICATE OF CONFORMITY WITH IFRA STANDARDS

This Certificate assesses the conformity of the fragrance mixture with IFRA Standards and provides restrictions for use as necessary. It is based only on those materials subject to IFRA Standards for the toxicity endpoints described in each Standard.

This Certificate does therefore not replace a comprehensive safety assessment of the fragrance mixture.

CERTIFYING PARTY:

Madar Corporation Limited
19 - 20Sandleheath Industrial Estate
Fordingbridge
SP6 1PA

CERTIFICATE DELIVERED TO:

SCOPE OF THE CERTIFICATE:

MENTHOL CRYSTALS CHINESE

COMPULSORY INFORMATION:

We certify that the above mixture is in compliance with the Standards of the INTERNATIONAL FRAGRANCE ASSOCIATION (IFRA), up to and including the 51st Amendment to the IFRA Code of Practice (published June 2023), provided it is used in the following categories at a maximum concentration level of:

IFRA Categories [see Annex 1 below for details]	Maximum Level of use (%)
IFRA Category 1	Not limited
IFRA Category 2	Not limited
IFRA Category 3	Not limited
IFRA Category 4	Not limited
IFRA Category 5A	Not limited
IFRA Category 5B	Not limited
IFRA Category 5C	Not limited
IFRA Category 5D	Not limited
IFRA Category 6	Not limited
IFRA Category 7A	Not limited
IFRA Category 7B	Not limited
IFRA Category 8	Not limited
IFRA Category 9	Not limited
IFRA Category 10A	Not limited
IFRA Category 10B	Not limited
IFRA Category 11A	Not limited
IFRA Category 11B	Not limited
IFRA Category 12	Not limited

For other kinds of application or use at higher concentration levels, a new evaluation can be needed; please contact Global Essence UK Limited

ADDITIONAL INFORMATION ABOUT INGREDIENTS

Information about presence and concentration of fragrance ingredients subject to IFRA Limits in the fragrance mixture MENTHOL CRYSTALS CHINESE is as follows:

Does not contain any substances restricted by the current IFRA Standards.

Regulatory Affairs Department

ANNEX 1

Below is an extract of information provided by IFRA in relation to types of application present in each IFRA Category. Additional information about IFRA Categories can be found in the Guidance to IFRA Standards, issued by IFRA.

IFRA Category	Product Type
IFRA Category 1	Lip Products of all types (solid and liquid lipsticks, balms, clear or colored, etc.); Childrens toys
IFRA 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)
IFRA 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
IFRA Category 4	Hydroalcoholic and nonhydroalcoholic fine fragrance of all types (Eau de Toilette, Parfum, Cologne, solid perfume, fragrancing cream, etc.), aftershaves of all types (except creams and balms); Fragranced bracelets; Ingredients of perfume kits and fragrance mixtures for cosmetic kits; Scent pads, foil packs; Scent strips for hydroalcoholic products
IFRA 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)
IFRA Category 5B	Facial toner; Facial moisturizers and creams (including care products for beard and mustache)
IFRA Category 5C	Hand cream; Nail care products including cuticle creams, nail lacquer remover, etc.; Hand sanitizers
IFRA Category 5D	Baby cream/lotion, baby oil, baby powders and talc
IFRA Category 6	Toothpaste; Mouthwash, including breath sprays; Toothpowder, strips, mouthwash tablets
IFRA Category 7A	Hair permanent or other hair chemical treatments (rinse-off) (e.g., relaxers), including rinse-off hair dyes
IFRA 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, hair perfume
IFRA Category 8	Intimate wipes; Intimate deodorant spray; Tampons; Baby wipes; Toilet paper (wet)
IFRA Category 9	Bar soap; Shampoo of all types; 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 (such as bath bombs); 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
IFRA 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; Toilet seat wipes; Fabric softeners of all types excluding 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); Dry cleaning kits (involving manual application on the textile)
IFRA Category 10B	Animal sprays – sprays applied to animals of all types; Air freshener sprays, manual, including aerosol and pump; Aerosol/spray insecticides
IFRA Category 11A	Feminine hygiene conventional pads, liners, interlabial pads; Baby diapers; Incontinence pant, pad; Toilet paper (dry)
IFRA Category 11B	Tights with moisturizers; Scented socks, gloves; Facial tissues (dry tissues); Napkins; Pillow spray; Paper towels; Wheat bags; Facial masks (paper/protective) e.g., surgical masks not used as medical device; Fertilizers, solid (pellet or powder)
IFRA 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, solid non aerosol car diffuser); Air delivery systems; Cat litter; Cell phone cases; Deodorizers/maskers not intended for skin contact (e.g., fabric drying machine deodorizers, carpet powders); Dry cleaning kits (placed in the dryer); Dryer sheets and fabric softener sheets; Fuels; Insecticides (e.g., mosquito coil, paper, electrical, for clothing) excluding aerosols/sprays; Joss sticks or incense sticks; Dishwash 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); Toilet gel; Scent beads

SAFETY DATA SHEET

MENTHOL CRYSTALS CHINESE

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name	MENTHOL CRYSTALS CHINESE
Chemical name	2-isopropyl-5-methylcyclohexanol
Product number	MENTCH1001
Synonyms; trade names	L- Menthol, Menthol Natural
REACH registration number	01-2119458866-21-XXXX
CAS number	2216-51-5
EC number	218-690-9

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses	Component of: Cosmetic products and Pharmaceutical products. Fragrance and flavour
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1.3. Details of the supplier of the safety data sheet

Supplier	Madar Corporation Limited 19- 20 Sandheath Industrial Estate Fordingbridge SP6 1PA Tel. +44 1425 655 555 technical@madarcorporation.co.uk
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1.4. Emergency telephone number

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards	Not Classified
Health hazards	Skin Irrit. 2 - H315 Eye Irrit. 2 - H319
Environmental hazards	Not Classified

2.2. Label elements

EC number	218-690-9
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Hazard pictograms



Signal word

Warning
19-20 Sandheath Industrial Estate, Fordingbridge, Hampshire, SP6 1PA, UK
Tel: 01425 655555 Email: technical@madarcorporation.co.uk
Page 9 of 23

MENTHOL CRYSTALS CHINESE

Hazard statements	H315 Causes skin irritation. H319 Causes serious eye irritation.
Precautionary statements	P264 Wash contaminated skin 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. P332+P313 If skin irritation occurs: Get medical advice/ attention. P337+P313 If eye irritation persists: Get medical advice/ attention.
Supplementary precautionary statements	P321 Specific treatment (see medical advice on this label). P362+P364 Take off contaminated clothing and wash it before reuse.

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

Product name	MENTHOL CRYSTALS CHINESE
Chemical name	2-isopropyl-5-methylcyclohexanol
REACH registration number	01-2119458866-21-XXXX
CAS number	2216-51-5
EC number	218-690-9

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	Move out of dangerous area. Never give anything by mouth to an unconscious person.
Inhalation	Move affected person to fresh air at once.
Ingestion	Rinse mouth thoroughly with water. Give plenty of water to drink. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if symptoms are severe or persist.
Skin contact	Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.
Eye contact	Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes and get medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact	Irritating to skin.
Eye contact	Causes serious eye irritation.

4.3. Indication of any immediate medical attention and special treatment needed

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Use alcohol-resistant foam, carbon dioxide or dry powder to extinguish.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

5.3. Advice for firefighters

19-20 Sandleheath Industrial Estate, Fordingbridge, Hampshire, SP6 1PA, UK
Tel: 01425 655555 Email: technical@madarcorporation.co.uk
Page 10 of 23

MENTHOL CRYSTALS CHINESE

Protective actions during firefighting	Do not inhale explosion and/or combustion gases. Use self contained breathing apparatus. Cool containers exposed to flames with water until well after the fire is out.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Ensure adequate ventilation of the working area, evacuate personnel to safe area, wear suitable protective equipment.
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6.2. Environmental precautions

Environmental precautions	Do not discharge into drains or watercourses or onto the ground.
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6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Collect powder using special dust vacuum cleaner with particle filter or carefully sweep into suitable waste disposal containers and seal securely.
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6.4. Reference to other sections

Reference to other sections	For waste disposal, see Section 13.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions	Avoid contact with skin and eyes. Wear protective clothing as described in Section 8 of this safety data sheet. Do not eat, drink or smoke when using this product.
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7.2. Conditions for safe storage, including any incompatibilities

Storage precautions	Store in tightly-closed, original container in a well-ventilated place. Protect from sunlight. Keep away from heat.
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7.3. Specific end use(s)

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation.

Personal protection

General protective and hygienic measures: Use personal protective equipment depending on concentration and amount of hazardous substance. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with eyes and skin.

Eye/face protection

Approved safety goggles.

Hand protection

Chemical resistant gloves (PVC)

Other skin and body protection

Avoid contact with skin.

Hygiene measures

Good personal hygiene procedures should be implemented
19-20 Sandehead Industrial Estate, Fordingbridge, Hampshire, SP6 1PA, UK
Tel: 01425 655555 Email: technical@madarcorporation.co.uk
Page 11 of 23

MENTHOL CRYSTALS CHINESE

Respiratory protection Generally unnecessary in a well ventilated area.
If ventilation is insufficient, respiratory protection must be worn.

Environmental exposure controls Avoid discharging into drains.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Crystalline solid.
Colour	White/off-white.
Odour	Characteristic.
Melting point	≥ 41 - $\leq 43^{\circ}\text{C}$
Initial boiling point and range	212°C @ 1 atm
Flash point	REACH dossier information. The test items flash point at room temperature of $22 \pm 2^{\circ}\text{C}$ and atmospheric pressure 102.0 kPa is $94 \pm 2^{\circ}\text{C}$
Flammability (solid, gas)	REACH dossier information. Scientifically unjustified.
Vapour pressure	21 Pa @ 25°C
Bulk density	0.49 g/cm ³
Solubility(ies)	REACH dossier information. Slightly soluble in water. Very soluble in the following materials: Ethanol. Chloroform.
Partition coefficient	log Pow 3.13 @ 25°C
Viscosity	REACH dossier information. Scientifically unjustified.
Explosive properties	REACH dossier information. Scientifically unjustified.
Optical rotation	-45° to -51°C

9.2. Other information

Hydrocarbon Content

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity No hazardous reactions if stored and handled as prescribed / indicated.

10.2. Chemical stability

Stability Stable under normal conditions.

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

Conditions to avoid Avoid exposure to high temperatures or direct sunlight.

10.5. Incompatible materials

10.6. Hazardous decomposition products

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects No information available.

MENTHOL CRYSTALS CHINESE

SECTION 12: Ecological information

12.1. Toxicity

12.2. Persistence and degradability

Biodegradation The substance is readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential REACH DOSSIER INFORMATION - Concluded that the substance menthol has no bio accumulation potential.

Partition coefficient log Pow 3.13 @ 25°C

12.4. Mobility in soil

Henry's law constant 4.8 Pa m³/mol @ 12°C

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Dispose of in compliance with all local and national regulations.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

MENTHOL CRYSTALS CHINESE

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU legislation Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Guidance CHIP for everyone HSG228.

15.2. Chemical safety assessment

Inventories

EU - EINECS/ELINCS

Listed

Canada - DSL/NDSL

Listed

US - TSCA

Listed

US - TSCA 12(b) Export Notification

Not listed.

Australia - AICS

Listed

Japan - ENCS

Listed

Korea - KECI

Listed

China - IECSC

Listed

Philippines – PICCS

Listed

New Zealand - NZIOC

Listed

Taiwan - NECI

Listed

SECTION 16: Other information

Revision date 11/03/2019

Revision 4

Supersedes date 05/06/2018

SDS number 5025

Hazard statements in full H315 Causes skin irritation.
H319 Causes serious eye irritation.

MENTHOL CRYSTALS CHINESE

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

SAFETY DATA SHEET

MENTHOL CRYSTALS CHINESE

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

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Chemical name	2-isopropyl-5-methylcyclohexanol
Product number	MENTCH1001
Synonyms; trade names	L- Menthol, Menthol Natural
EU REACH registration number	01-2119458866-21-XXXX
CAS number	2216-51-5
EC number	218-690-9

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses	Component of: Cosmetic products and Pharmaceutical products. Fragrance and flavour
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1.3. Details of the supplier of the safety data sheet

Supplier	Madar Corporation Limited 19 - 20 Sandleheath Industrial Estate Fordingbridge SP6 1PA Tel. 01425 655 555 e-mail technical@madarcorporation.co.uk
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1.4. Emergency telephone number

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (SI 2019 No. 720)

Physical hazards	Not Classified
Health hazards	Skin Irrit. 2 - H315 Eye Irrit. 2 - H319
Environmental hazards	Not Classified

2.2. Label elements

EC number	218-690-9
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Hazard pictograms



MENTHOL CRYSTALS CHINESE

Signal word	Warning
Hazard statements	H315 Causes skin irritation. H319 Causes serious eye irritation.
Precautionary statements	P264 Wash contaminated skin 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. P332+P313 If skin irritation occurs: Get medical advice/ attention. P337+P313 If eye irritation persists: Get medical advice/ attention.
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2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

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SECTION 4: First aid measures

4.1. Description of first aid measures

General information	Move out of dangerous area. Never give anything by mouth to an unconscious person.
Inhalation	Move affected person to fresh air at once.
Ingestion	Rinse mouth thoroughly with water. Give plenty of water to drink. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if symptoms are severe or persist.
Skin contact	Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.
Eye contact	Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes and get medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact	Irritating to skin.
Eye contact	Causes serious eye irritation.

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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Use alcohol-resistant foam, carbon dioxide or dry powder to extinguish.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

5.3. Advice for firefighters

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Page 17 of 23

MENTHOL CRYSTALS CHINESE

Protective actions during firefighting	Do not inhale explosion and/or combustion gases. Use self contained breathing apparatus. Cool containers exposed to flames with water until well after the fire is out.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

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Personal precautions	Ensure adequate ventilation of the working area, evacuate personnel to safe area, wear suitable protective equipment.
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6.2. Environmental precautions

Environmental precautions	Do not discharge into drains or watercourses or onto the ground.
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6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Collect powder using special dust vacuum cleaner with particle filter or carefully sweep into suitable waste disposal containers and seal securely.
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6.4. Reference to other sections

Reference to other sections	For waste disposal, see Section 13.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions	Avoid contact with skin and eyes. Wear protective clothing as described in Section 8 of this safety data sheet. Do not eat, drink or smoke when using this product.
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7.2. Conditions for safe storage, including any incompatibilities

Storage precautions	Store in tightly-closed, original container in a well-ventilated place. Protect from sunlight. Keep away from heat.
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7.3. Specific end use(s)

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation.

Personal protection

General protective and hygienic measures: Use personal protective equipment depending on concentration and amount of hazardous substance. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with eyes and skin.

Eye/face protection

Approved safety goggles.

Hand protection

Chemical resistant gloves (PVC)

Other skin and body protection

Avoid contact with skin.

Hygiene measures

Good personal hygiene procedures should be implemented
19-20 Sandehead Industrial Estate, Fordingbridge, Hampshire, SP6 1PA, UK
Tel: 01425 655555 Email: technical@madarcorporation.co.uk
Page 18 of 23

MENTHOL CRYSTALS CHINESE

Respiratory protection Generally unnecessary in a well ventilated area.
If ventilation is insufficient, respiratory protection must be worn.

Environmental exposure controls Avoid discharging into drains.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Crystalline solid.
Colour	White/off-white.
Odour	Characteristic.
Melting point	≥ 41 - $\leq 43^{\circ}\text{C}$
Initial boiling point and range	212°C @ 1 atm
Flash point	REACH dossier information. The test items flash point at room temperature of $22 \pm 2^{\circ}\text{C}$ and atmospheric pressure 102.0 kPa is $94 \pm 2^{\circ}\text{C}$
Flammability (solid, gas)	REACH dossier information. Scientifically unjustified.
Vapour pressure	21 Pa @ 25°C
Bulk density	0.49 g/cm ³
Solubility(ies)	REACH dossier information. Slightly soluble in water. Very soluble in the following materials: Ethanol. Chloroform.
Partition coefficient	log Pow 3.13 @ 25°C
Viscosity	REACH dossier information. Scientifically unjustified.
Explosive properties	REACH dossier information. Scientifically unjustified.
Optical rotation	-45° to -51°C

9.2. Other information

Hydrocarbon Content

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity No hazardous reactions if stored and handled as prescribed / indicated.

10.2. Chemical stability

Stability Stable under normal conditions.

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

Conditions to avoid Avoid exposure to high temperatures or direct sunlight.

10.5. Incompatible materials

10.6. Hazardous decomposition products

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological effects No information available.

MENTHOL CRYSTALS CHINESE

SECTION 12: Ecological information

12.1. Toxicity

12.2. Persistence and degradability

Biodegradation The substance is readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential REACH DOSSIER INFORMATION - Concluded that the substance menthol has no bio accumulation potential.

Partition coefficient log Pow 3.13 @ 25°C

12.4. Mobility in soil

Henry's law constant 4.8 Pa m³/mol @ 12°C

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Dispose of in compliance with all local and national regulations.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

MENTHOL CRYSTALS CHINESE

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Guidance CHIP for everyone HSG228.

15.2. Chemical safety assessment

Inventories

EU - EINECS/ELINCS

Listed

Canada - DSL/NDSL

Listed

US - TSCA

Listed

US - TSCA 12(b) Export Notification

Not listed.

Australia - AIIIC

Listed

Japan - ENCS

Listed

Korea - KECI

Listed

China - IECSC

Listed

Philippines – PICCS

Listed

New Zealand - NZIOC

Listed

Taiwan - TCSI

Listed

SECTION 16: Other information

Revision date	27/10/2022
Revision	5
Supersedes date	11/03/2019
SDS number	5025
Hazard statements in full	H315 Causes skin irritation. H319 Causes serious eye irritation.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

19-20 Sandheath Industrial Estate, Fordingbridge, Hampshire, SP6 1PA, UK

Tel: 01425 655555 Email: technical@madarcorporation.co.uk

SPECIFICATION

The following information is accurate to the best of our knowledge
Please see our Safety Data Sheet for the hazardous information of this product.

PRODUCT:	MENTHOL CRYSTALS CHINESE
PRODUCT CODE:	RMMENTCRY5
CAS NO:	2216-51-5
Other Identifier:	EC: 218-690-9 FEMA: 2665
Tariff Number:	29061100
Appearance (state):	Crystalline-Solid
Appearance (colour):	White/Off-White
Odour:	Characteristic
Optical Rotation:	-45 to -51
Flash Point:	94 °C
Melting Point:	41 - 43 °C
Boiling Point:	212 °C
Vapour Pressure @ 25°C:	21 Pa
Content:	Min 99%
Storage:	Store in a well-ventilated place. Keep container tightly closed.
Shelf Life:	Refer to COA

Regulatory Department

This specification is computer generated and valid without a signature

Vegan and Vegetarian Statement

IDENTIFICATION	
Product:	Menthol Crystals
Cas No:	2216-51-5
EINECS No:	218-690-9
STATEMENT	
<p>We, Madar Corporation Limited, from information received from our supplier, hereby declare that the material listed above is compliant with a vegan or vegetarian diet.</p> <p>It does not contain any animal ingredients or animal by products. No animal ingredients or by products are used in the manufacturing process.</p> <p>This document represents to the best of our knowledge and from information received from our supplier. It does not release the buyer from the obligation to carry out an examination of the goods received. All uses made by the buyer are done under their own responsibility.</p>	