

Safety Data Sheet

Cashmeran® (IFF) — Dihydro Pentamethylindanone (DPMI) · Prepared in accordance with the Globally Harmonized System (GHS) and Regulation (EC) No 1907/2006 (REACH) · Version 1.0 · Issue date: see document properties

SECTION 1 — Identification of the substance and of the company

Product name	Cashmeran® (IFF)
Chemical name	1,2,3,5,6,7-hexahydro-1,1,2,3,3-pentamethyl-4H-inden-4-one (dihydro pentamethylindanone, DPMI)
CAS No.	33704-61-9
EC (EINECS) No.	251-649-3
REACH Registration No.	01-2119977131-40
Relevant identified uses	Fragrance ingredient for compounding by professional and hobbyist perfumers. Not for direct application to skin. Not for food or medicinal use.
Supplier	cashmeran.com — support@cashmeran.com (repackager of original IFF material)
Emergency	Contact your national Poison Control Center

SECTION 2 — Hazards identification

GHS / CLP classification (substance):

Skin Irrit. 2	H315 — Causes skin irritation
Eye Irrit. 2	H319 — Causes serious eye irritation
Skin Sens. 1B	H317 — May cause an allergic skin reaction
Aquatic Chronic 2	H411 — Toxic to aquatic life with long lasting effects

Signal word: Warning **Pictograms:** GHS07 (exclamation mark), GHS09 (environment)

Precautionary statements: P264 Wash hands thoroughly after handling. P272 Contaminated work clothing should not be allowed out of the workplace. P273 Avoid release to the environment. P280 Wear protective gloves and eye 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. P333+P313 If skin irritation or rash occurs: get medical advice/attention. P391 Collect spillage. P501 Dispose of contents/container in accordance with local regulations.

SECTION 3 — Composition / information on ingredients

Substance	Dihydro pentamethylindanone (Cashmeran®)
Concentration	95 – 100 %
CAS / EC	33704-61-9 / 251-649-3
Classification	Skin Irrit. 2 (H315); Eye Irrit. 2 (H319); Skin Sens. 1B (H317); Aquatic Chronic 2 (H411)

SECTION 4 — First aid measures

Inhalation	Remove person to fresh air and keep comfortable for breathing. If symptoms persist, seek medical advice.
Skin contact	Wash skin with plenty of soap and water. Take off contaminated clothing. If skin irritation or rash occurs: get medical advice/attention.
Eye contact	Rinse cautiously with water for at least 15 minutes. Remove contact lenses if present and easy to do; continue rinsing. If irritation persists, consult a physician.
Ingestion	Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention.

SECTION 5 — Firefighting measures

Suitable extinguishing media: dry chemical, carbon dioxide (CO₂), alcohol-resistant foam, water spray. Combustion may produce carbon oxides. Firefighters should wear self-contained breathing apparatus. Do not allow contaminated extinguishing water to enter drains or waterways.

SECTION 6 — Accidental release measures

Wear protective gloves and eye protection. Ensure adequate ventilation. Avoid release to the environment (H411). Contain the spill; collect solid material or absorb liquid with inert absorbent (sand, vermiculite) and place in a closed, labelled container for disposal. Wash the area with plenty of water and detergent.

SECTION 7 — Handling and storage

Handle in a well-ventilated area away from heat, sparks and open flame. Avoid contact with skin and eyes; wash thoroughly after handling. To melt solidified material, place the tightly closed container in a warm-water bath (approx. 40 °C); never use direct flame or a microwave. Store in the tightly closed original container in a cool, dry, dark place, separated from foodstuffs. Keep out of reach of children.

SECTION 8 — Exposure controls / personal protection

Occupational limits	No official occupational exposure limits established.
Engineering controls	General room ventilation; local exhaust for prolonged open handling.
Hand protection	Chemical-resistant gloves (e.g. nitrile).
Eye protection	Safety glasses with side shields.
Skin / body	Lab coat; contaminated work clothing should not leave the workplace.
Hygiene	Do not eat, drink or smoke when handling. Wash hands after use.

SECTION 9 — Physical and chemical properties

Appearance	White to pale yellow solid / crystalline mass (may be partially liquid above room temperature)
Odor	Diffusive musky, spicy, woody-amber
Molecular formula / weight	C ₁₄ H ₂₂ O / 206.32 g/mol
Melting point	Approx. 25 – 30 °C
Flash point	> 100 °C (closed cup)
Relative density	Approx. 0.95 – 0.96 (liquid state, 20 °C)
Water solubility	Practically insoluble in water
Other solubility	Soluble in ethanol and dipropylene glycol (DPG)
Log Pow	Approx. 4.9 (estimated)

SECTION 10 — Stability and reactivity

Stable under recommended storage conditions. No hazardous reactions known under normal use. Avoid strong oxidizing agents, excessive heat and open flame. Hazardous decomposition products in fire: carbon oxides.

SECTION 11 — Toxicological information

Causes skin irritation (Skin Irrit. 2). Causes serious eye irritation (Eye Irrit. 2). May cause an allergic skin reaction in sensitized individuals (Skin Sens. 1B). Not classified for acute toxicity, carcinogenicity, mutagenicity or reproductive toxicity under GHS on the basis of available data. Handle the neat material with gloves at all times and never apply undiluted to skin.

SECTION 12 — Ecological information

Toxic to aquatic life with long lasting effects (Aquatic Chronic 2, H411). Do not allow the product to reach drains, surface water or groundwater. The substance has a significant bioaccumulation potential (log Pow ~4.9); avoid release to the environment.

SECTION 13 — Disposal considerations

Dispose of contents and container in accordance with local, regional and national regulations, normally as chemical waste via a licensed disposal contractor. Do not dispose of via household waste or waterways. Empty containers may retain product residue; treat accordingly.

SECTION 14 — Transport information

UN number	UN 3077
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (dihydro pentamethylindanone)
Class / Packing group	9 / III
Note	Small consumer quantities may qualify for limited/excepted quantity provisions — confirm with your carrier.

SECTION 15 — Regulatory information

Registered under REACH (01-2119977131-40). Not restricted or prohibited by a specific IFRA Standard as of the 51st Amendment; observe IFRA category guidance and Good Manufacturing Practice in finished products. Check national inventories (e.g. TSCA, EINECS) as required for your jurisdiction.

SECTION 16 — Other information

Full text of H-statements: H315 Causes skin irritation; H317 May cause an allergic skin reaction; H319 Causes serious eye irritation; H411 Toxic to aquatic life with long lasting effects. This SDS was compiled from publicly available manufacturer (IFF) and regulatory data for CAS 33704-61-9 and is provided in good faith for guidance on safe handling. It does not constitute a specification or warranty. For lot-specific data, request the manufacturer SDS for your batch. Users are responsible for compliance with all applicable laws in their jurisdiction.