



Safety Data Sheet

acc. to OSHA HCS (29 CFR 1910.1200) and WHMIS 2015 regulations

Printing date: 01/06/2017

Revision: 01/05/2017

1 Identification

- **Product identifier**

- **Trade name:** Cargille MeltMount Code 5870

- **Product code:** 24050, 24052, 24060, 24065, 24070, 24150, 24152, 24160, 24165, 24170

- **Recommended use and restriction on use**

- **Recommended use:**

This SDS or an accurate copy is an integral part of using Meltmount Code 5870. Only use Meltmount Code 5870 if the SDS is present. Conditions prevailing in this document, unless otherwise noted: Temperature = 23°C(73°F), Pressure = 1013.25 hPa (760 mm Hg)

For Professional and R&D use only. Conditions of Intended Use: (ABBR. C.I.U.) As a mounting medium at normal room pressure 101.32 kPa (760 mm Hg), temperature 4°C to 70°C (39°F to 158°F) in a non misted/non airborne state in a hood* having 80-100 FPM rating, in a trained and supervised laboratory/industrial setting using standard Good Laboratory/Good Manufacturing procedures. *A hood is only required when heated in an open container above 105°F, otherwise use at a temperature of 39° to 104°F in a room having normal air changes at a rate of 2 per hour.

Note: Product normally sold in 2/3 oz sticks and 1 oz (30cc) jars.

- **Restrictions on use:** Contact manufacturer/supplier

- **Details of the supplier of the Safety Data Sheet**

- **Manufacturer/Supplier:**

Cargille Laboratories
55 Commerce Road
Cedar Grove, NJ 07009-1289 USA
973-239-6633
www.cargille.com

- **Emergency telephone number:**

ChemTel Inc.
(800)255-3924, +1 (813)248-0585

2 Hazard(s) identification

- **Classification of the substance or mixture**

Skin Irrit. 2 H315 Causes skin irritation.

Lact. H362 May cause harm to breast-fed children.

STOT SE 3 H335 May cause respiratory irritation.

STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.

- **Label elements**

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms:**



GHS07 GHS08

- **Signal word:** Warning

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· **Hazard statements:**

- H315 Causes skin irritation.
 H362 May cause harm to breast-fed children.
 H335 May cause respiratory irritation.
 H373 May cause damage to organs through prolonged or repeated exposure.

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· **Precautionary statements:**






- P201 Obtain special instructions before use.
 P263 Avoid contact during pregnancy/while nursing.
 P260 Do not breathe dusts or mists.
 P264 Wash thoroughly after handling.
 P280 Wear protective gloves and eye protection.
 P270 Do not eat, drink or smoke when using this product.
 P271 Use only outdoors or in a well-ventilated area.
 P302+P352 IF ON SKIN: Wash with plenty of water.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P332+P313 If skin irritation occurs: Get medical advice/attention.
 P308+P313 IF exposed or concerned: Get medical advice/attention.
 P362+P364 Take off contaminated clothing and wash it before reuse.
 P405 Store locked up.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Other hazards** There are no other hazards not otherwise classified that have been identified.

3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Components:**

| | | | |
|------------|----------------------------|---|--------|
| 32534-81-9 | diphenyl ether, pentabromo |  STOT RE 2, H373 Lact., H362 | 40-60% |
| | Trade Secret |  Flam. Liq. 3, H226  Asp. Tox. 1, H304  Skin Irrit. 2, H315; STOT SE 3, H335 | 25-40% |
| | Trade Secret |  Asp. Tox. 1, H304 | 1-5% |

· **Additional information:**

- For the wording of the listed Hazard Statements refer to section 16.
 For the listed ingredient(s), the identity and/or exact percentage(s) are being withheld as a trade secret.

4 First-aid measures

· **Description of first aid measures**

· **General information:**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.

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- **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.

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- **After eye contact:**

Remove contact lenses if worn.

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- **After swallowing:**

Rinse out mouth and then drink plenty of water.
Do not induce vomiting; immediately call for medical help.

- **Most important symptoms and effects, both acute and delayed:**

Thermal burns.
Coughing
Gastric or intestinal disorders when ingested.
Nausea in case of ingestion.
Irritant to skin and mucous membranes.
May cause respiratory irritation.

- **Danger:**

May cause harm to breast-fed children.
May cause damage to organs through prolonged or repeated exposure.

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

If necessary oxygen respiration treatment.
If medical advice is needed, have product container or label at hand.

5 Fire-fighting measures

- **Extinguishing media**

- **Suitable extinguishing agents:**

Foam
Gaseous extinguishing agents
Carbon dioxide
Fire-extinguishing powder

- **For safety reasons unsuitable extinguishing agents:** Water

- **Special hazards arising from the substance or mixture**

Formation of toxic gases is possible during heating or in case of fire.

- **Advice for firefighters**

- **Protective equipment:**

Wear self-contained respiratory protective device.
Wear fully protective suit.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation.

- **Environmental precautions**

Do not allow to enter sewers/ surface or ground water.
Inform respective authorities in case of seepage into water course or sewage system.

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· **Methods and material for containment and cleaning up** (Cont'd. of page 3)

- Pick up mechanically.
- Send for recovery or disposal in suitable receptacles.
- **Reference to other sections**
- See Section 7 for information on safe handling.
- See Section 8 for information on personal protection equipment.
- See Section 13 for disposal information.

7 Handling and storage

- **Handling**
- **Precautions for safe handling:** Use only in well ventilated areas.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:**
- Avoid storage near extreme heat, ignition sources or open flame.
- **Information about storage in one common storage facility:**
- Store away from foodstuffs.
- Do not store together with oxidizing and acidic materials.
- **Further information about storage conditions:**
- Storage Temperatures : 39 - 158 °F / 4 - 70 °C.
- Keep containers tightly sealed.
- **Specific end use(s)** No relevant information available.

8 Exposure controls/personal protection

· **Control parameters**

· **Components with limit values that require monitoring at the workplace:**

Trade Secret

| | |
|---------------|---|
| REL (USA) | Long-term value: 1050 mg/m ³ , 200 ppm |
| TLV (USA) | Long-term value: 1050 mg/m ³ , 200 ppm |
| EL (Canada) | Long-term value: 200 ppm |
| EV (Canada) | Long-term value: 1050 mg/m ³ , 200 ppm |
| LMPE (Mexico) | Long-term value: 200 ppm |

- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
- The usual precautionary measures for handling chemicals should be followed.
- 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 the eyes and skin.
- Pregnant women should strictly avoid inhalation or skin contact.

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- **Engineering controls:** Provide adequate ventilation. (Cont'd. of page 4)
- **Breathing equipment:** Not required under normal conditions of use.
- **Protection of hands:**



Thermally-protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

- **Eye protection:**



Safety glasses

Follow relevant national guidelines concerning the use of protective eyewear.

- **Body protection:** Protective work clothing
- **Limitation and supervision of exposure into the environment**
No relevant information available.

9 Physical and chemical properties

- **Information on basic physical and chemical properties**

- **Appearance:**

Form: Soft solid.

Color: Light yellow

- **Odor:** Slight
Characteristic
- **Odor threshold:** Not determined.

- **pH-value:** Not applicable.
- **Melting point/Melting range:** 65 °C (149 °F)
- **Boiling point/Boiling range:** Not determined.

- **Flash point:** >204 °C (>399 °F)

- **Flammability (solid, gaseous):** Not determined.

- **Auto-ignition temperature:** Not determined.

- **Decomposition temperature:** Not determined.

- **Danger of explosion:** Product does not present an explosion hazard.

- **Explosion limits**

Lower: Not determined.

Upper: Not determined.

- **Oxidizing properties:** Not determined.

- **Vapor pressure:** Not determined.

- **Density:**
- Relative density:** 1.04 - 2.46 (water = 1)

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| | |
|---|---------------------------------------|
| Vapor density: | Not applicable. |
| Evaporation rate: | <1 (mineral oil = 1) |
| · Solubility in / Miscibility with Water: | Soluble. |
| · Partition coefficient (n-octanol/water): | Not determined. |
| · Viscosity | |
| Dynamic: | Not applicable. |
| Kinematic at 40 °C (104 °F): | >20.5 mm ² /sec (Estimate) |
| · Other information | No relevant information available. |

10 Stability and reactivity

- **Reactivity:** No relevant information available.
- **Chemical stability:** Stable under normal temperatures and pressures.
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
- **Possibility of hazardous reactions**
Reacts with strong oxidizing agents.
Reacts with strong acids and alkali.
- **Conditions to avoid** Excessive heat.
- **Incompatible materials** Oxidizers, strong bases, strong acids
- **Hazardous decomposition products**

Under fire conditions only:
Carbon monoxide and carbon dioxide
Bromine compounds

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:** None.
- **Primary irritant effect:**
- **On the skin:** Irritant to skin and mucous membranes.
- **On the eye:** Based on available data, the classification criteria are not met.

· **IARC (International Agency for Research on Cancer):**

None of the ingredients are listed.

· **NTP (National Toxicology Program):**

None of the ingredients are listed.

· **OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients are listed.

- **Probable route(s) of exposure:**
Ingestion.

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Inhalation.

Eye contact.

Skin contact.

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· **Acute effects (acute toxicity, irritation and corrosivity):**

May cause respiratory irritation.

Irritating to skin.

· **Repeated dose toxicity:**

May cause harm to breast-fed children.

May cause damage to organs through prolonged or repeated exposure.

· **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

Lact.

· **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.

· **Carcinogenicity:** Based on available data, the classification criteria are not met.

· **Reproductive toxicity:** May cause harm to breast-fed children.

· **STOT-single exposure:** May cause respiratory irritation.

· **STOT-repeated exposure:** May cause damage to organs through prolonged or repeated exposure.

· **Aspiration hazard:** Based on available data, the classification criteria are not met.

12 Ecological information

· **Toxicity**

· **Aquatic toxicity** Toxic for aquatic organisms

· **Persistence and degradability** No relevant information available.

· **Bioaccumulative potential:** No relevant information available.

· **Mobility in soil:** No relevant information available.

· **Ecotoxicological effects:**

· **Remark:** Very toxic for fish

· **Additional ecological information**

· **General notes:**

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Due to available data on eliminability/decomposition and bioaccumulation potential prolonged term damage of the environment can not be excluded.

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **Other adverse effects** No relevant information available.

13 Disposal considerations

· **Waste treatment methods**

· **Recommendation:**

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual materials should be treated as hazardous.

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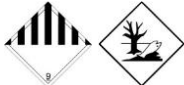

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- **Uncleaned packagings**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

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14 Transport information

- | | |
|---|---|
| <ul style="list-style-type: none"> · UN-Number · DOT · ADR, IMDG, IATA | <p>Exempt UN3077</p> |
| <ul style="list-style-type: none"> · UN proper shipping name · DOT · ADR, IMDG, IATA | <p>Exempt ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (NONANES, diphenyl ether, pentabromo)</p> |
| <ul style="list-style-type: none"> · Transport hazard class(es) · DOT · Class | <p>Exempt</p> |
| <ul style="list-style-type: none"> · ADR  | |
| <ul style="list-style-type: none"> · Class · Label | <p>9 (M7) Miscellaneous dangerous substances and articles 9</p> |
| <ul style="list-style-type: none"> · IMDG, IATA  | |
| <ul style="list-style-type: none"> · Class · Label | <p>9 Miscellaneous dangerous substances and articles 9</p> |
| <ul style="list-style-type: none"> · Packing group · ADR, IMDG, IATA | <p>III</p> |
| <ul style="list-style-type: none"> · Environmental hazards · Marine pollutant: | <p>Product contains environmentally hazardous substances: diphenyl ether, pentabromo, nonane Yes Symbol (fish and tree)</p> |
| <ul style="list-style-type: none"> · Special precautions for user · Danger code (Kemler): | <p>Warning: Miscellaneous dangerous substances and articles 90</p> |

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· **EMS Number:** F-A,S-F (Cont'd. of page 8)

· **Transport in bulk according to Annex II of**

MARPOL73/78 and the IBC Code Not applicable.

· **Transport/Additional information:** Not regulated when carried in single or combination packaging containing a net quantity of 5 L or less for liquids or 5 kg or less for solids per the following:

DOT: 171.4(c)(2)

ADR: SP 375

IMDG: 2.10.2.7

IATA: special provision A197

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **United States (USA)**
- **SARA**

· **Section 302 (extremely hazardous substances):**

None of the ingredients are listed.

· **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

· **Section 313 (Specific toxic chemical listings):**

None of the ingredients are listed.

· **TSCA (Toxic Substances Control Act)**

All ingredients are listed.

· **Proposition 65 (California)**

· **Chemicals known to cause cancer:**

None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients are listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients are listed.

· **Carcinogenic categories**

· **EPA (Environmental Protection Agency):**

32534-81-9 diphenyl ether, pentabromo

D

· **IARC (International Agency for Research on Cancer):**

None of the ingredients are listed.

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· **NIOSH-Ca (National Institute for Occupational Safety and Health):**

None of the ingredients are listed.

· **Canadian Domestic Substances List (DSL):**

All ingredients are listed.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. The information supplied is based on data available to us and is believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to this information presented and Cargille Laboratories assumes no responsibility for the result of the use of this product. This information is furnished upon the condition that the persons responsible for its use shall make their own determination of the suitability of the material for their particular purpose. Please note that we consider the English version to be the authoritative version for compliance and regulatory purposes.

· **Date of preparation / last revision** 01/06/2017 / -

· **Abbreviations and acronyms:**

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

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

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

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

LDLo: Lowest Lethal Dose Observed

Flam. Liq. 3: Flammable liquids – Category 3

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Lact.: Reproductive toxicity – effects on or via lactation

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Asp. Tox. 1: Aspiration hazard – Category 1

· **Sources**

Website, European Chemicals Agency (echa.europa.eu)

Website, US EPA Substance Registry Services (ofmpub.epa.gov/sorinternet/registry/substreg/home/overview/home.do)

Website, Chemical Abstracts Registry, American Chemical Society (www.cas.org)

Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: 978-0-470-07488-6

Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaassen, Curtis D., ed., ISBN: 978-0-07-176923-5.

Safety Data Sheets, Individual Manufacturers

SDS Prepared by:

ChemTel Inc.

1305 North Florida Avenue

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