

**SAFETY DATA SHEET****DAPHNE BRIGHT QUENCH M**

Version 1.5      Revision Date: 2025/07/14      SDS Number: 100000000500      Date of last issue: 2025/04/17  
Date of first issue: 2016/09/02

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**1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : DAPHNE BRIGHT QUENCH M  
Product code : AT\_046

**Manufacturer or supplier's details**

Company : Idemitsu Apollo (Thailand) Co., Ltd.  
Address : Amata City Chonburi Industrial Estate (Phase6) 700/623 Moo 4, Bankao, Panthong, Chonburi 20160, Thailand  
Telephone : +66-3845-6900  
Emergency telephone : 001 800 120 666 751 (toll-free, access from Thailand only)  
Telefax : +66-3821-0099

**Recommended use of the chemical and restrictions on use**


Recommended use : Lubricant  
Restrictions on use : None known.

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**2. HAZARDS IDENTIFICATION****GHS Classification**

Aspiration hazard : Category 1

**GHS label elements**

Hazard pictograms : 

Signal Word : Danger

Hazard Statements : H304 May be fatal if swallowed and enters airways.

Precautionary Statements : **Response:**  
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.  
P331 Do NOT induce vomiting.

**Storage:**  
P405 Store locked up.

**Disposal:**  
P501 Dispose of contents/ container to an approved waste disposal plant.

**Other hazards which do not result in classification**

None known.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture : Mixture

**Components**

Chemical name	CAS-No.	Concentration (% w/w)
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	>= 30 -< 50
Distillates (petroleum), hydrotreated light paraffinic	64742-55-8	>= 30 -< 50
2,6-di-tert-butyl-p-cresol	128-37-0	>= 0.1 -< 0.25

**No hazardous ingredients**

Chemical name	CAS-No.	Concentration (% w/w)
Mineral oil	-	>= 20 - < 30
Synthetic hydrocarbon	-	< 4
Ester	-	< 1
Lubricating oil additive	-	< 1

Total mineral oil concentration(% w/w) : &gt;= 90

**4. FIRST AID MEASURES**

General advice	: Move out of dangerous area. Show this material safety data sheet to the doctor in attendance. Symptoms of poisoning may appear several hours later. Do not leave the victim unattended.
If inhaled	: If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.
In case of eye contact	: Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
If swallowed	: Keep respiratory tract clear. Do NOT induce vomiting. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.
Most important symptoms and effects, both acute and delayed	: May be fatal if swallowed and enters airways. May be fatal if swallowed and enters airways.

**5. FIRE-FIGHTING MEASURES**

Unsuitable extinguishing media	: High volume water jet
Hazardous combustion	: No hazardous combustion products are known

products

- Specific extinguishing methods : Standard procedure for chemical fires.  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Special protective equipment for fire-fighters : Wear self-contained breathing apparatus for firefighting if necessary.

## 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
Ensure adequate ventilation.
- Environmental precautions : Prevent product from entering drains.  
Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.
- Methods and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  
Keep in suitable, closed containers for disposal.

## 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Advice on safe handling : Do not breathe vapors/dust.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Dispose of rinse water in accordance with local and national regulations.
- Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.  
Observe label precautions.  
Electrical installations / working materials must comply with the technological safety standards.
- Further information on storage stability : No decomposition if stored and applied as directed.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	TWA (Inhalable particulate matter)	5 mg/m <sup>3</sup>	ACGIH
Distillates (petroleum),	64742-55-8	TWA	5 mg/m <sup>3</sup>	ACGIH

hydrotreated light paraffinic		(Inhalable particulate matter)		
Distillates (petroleum), solvent-dewaxed heavy paraffinic	64742-65-0	TWA (Inhalable particulate matter)	5 mg/m <sup>3</sup>	ACGIH
2,6-di-tert-butyl-p-cresol	128-37-0	TWA (Inhalable fraction and vapor)	2 mg/m <sup>3</sup>	ACGIH

**Personal protective equipment**

Hand protection

- Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.
- Eye protection : Eye wash bottle with pure water  
Tightly fitting safety goggles
- Skin and body protection : Impervious clothing  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.
- Hygiene measures : When using do not eat or drink.  
When using do not smoke.  
Wash hands before breaks and at the end of workday.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

- Appearance : transparent
- Physical state : liquid
- Color : light yellow
- Odor : slight
- Pour point : -17.0 °C
- Initial boiling point and boiling range : No data available
- Flash point : 194 °C  
Method: Cleveland open cup
- Density : 0.8439 g/cm<sup>3</sup>
- Solubility(ies)  
Water solubility : insoluble
- Viscosity  
Viscosity, kinematic : 18.92 mm<sup>2</sup>/s (40 °C)

**10. STABILITY AND REACTIVITY**

- Reactivity : No decomposition if stored and applied as directed.
- Chemical stability : No decomposition if stored and applied as directed.
- Possibility of hazardous reactions : No decomposition if stored and applied as directed.
- Conditions to avoid : No data available

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Incompatible materials : Strong acids and strong bases  
Hazardous decomposition products : No hazardous decomposition products are known.

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## 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

Not classified based on available information.  
Not classified due to lack of data.

### Skin corrosion/irritation

Not classified based on available information.  
Not classified due to lack of data.

### Serious eye damage/eye irritation

Not classified based on available information.  
Not classified due to lack of data.

### Respiratory or skin sensitization

#### Skin sensitization

Not classified based on available information.

#### Skin sensitization

Not classified due to lack of data.

#### Respiratory sensitization

Not classified based on available information.

#### Respiratory sensitization

Not classified due to lack of data.

#### Germ cell mutagenicity

Not classified based on available information.  
Not classified due to lack of data.

#### Carcinogenicity

Not classified based on available information.  
Not classified due to lack of data.

#### Reproductive toxicity

Not classified based on available information.  
Not classified due to lack of data.

#### STOT-single exposure

Not classified based on available information.  
Not classified due to lack of data.

#### STOT-repeated exposure

Not classified based on available information.  
Not classified due to lack of data.

#### Aspiration toxicity

May be fatal if swallowed and enters airways.  
May be fatal if swallowed and enters airways.

#### Further information

#### Product:

Remarks : Solvents may degrease the skin.

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**12. ECOLOGICAL INFORMATION****Ecotoxicity**

No data available

**Persistence and degradability**

No data available

**Bioaccumulative potential**

No data available

**Mobility in soil**

No data available

**Other adverse effects****Product:**

Additional ecological information : No data available

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**13. DISPOSAL CONSIDERATIONS****Disposal methods**

Waste from residues : Do not dispose of waste into sewer.  
Do not contaminate ponds, waterways or ditches with chemical or used container.  
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.

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**14. TRANSPORT INFORMATION****International Regulations****UNRTDG**

UN number : Not applicable  
Proper shipping name : Not applicable  
Class : Not applicable  
Subsidiary risk : Not applicable  
Packing group : Not applicable  
Labels : Not applicable  
Environmentally hazardous : no

**IATA-DGR**

UN/ID No. : Not applicable  
Proper shipping name : Not applicable  
Class : Not applicable  
Subsidiary risk : Not applicable  
Packing group : Not applicable  
Labels : Not applicable  
Packing instruction (cargo aircraft) : Not applicable  
Packing instruction (passenger aircraft) : Not applicable

**IMDG-Code**

UN number : Not applicable

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Proper shipping name : Not applicable  
Class : Not applicable  
Subsidiary risk : Not applicable  
Packing group : Not applicable  
Labels : Not applicable  
EmS Code : Not applicable  
Marine pollutant : Not applicable

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

**Special precautions for user**

Remarks : Not classified as dangerous in the meaning of transport regulations.

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**15. REGULATORY INFORMATION****Safety, health and environmental regulations/legislation specific for the substance or mixture**

Hazardous Substance Act : Conditions of restriction for the following entries should be considered:  
Not applicable

Emergency Decree on Controlling the Use of Volatile Substances : Not applicable

**The ingredients of this product are reported in the following inventories:**

ENCS : Listed  
TSCA : Not listed  
EINECS : Not listed  
REACH : For further information, please contact Idemitsu.  
DSL : Not listed  
AIIC : Not listed  
KECI : Listed  
PICCS : Listed  
IECSC : Listed  
TCSI : Listed  
NZIoC : Listed

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**16. OTHER INFORMATION**

Revision Date : 2025/07/14  
Date format : yyyy/mm/dd

**Full text of other abbreviations**

ACGIH : USA. ACGIH Threshold Limit Values (TLV)

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ACGIH / TWA : 8-hour, time-weighted average

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECl - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

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