

## HALLCOMID® M-8-10

Version 1.2  
Revision Date: 03/25/2026

Date of last issue: 05/08/2025  
Date of first issue: 10/07/2024

**SECTION 1. IDENTIFICATION**

Product name : HALLCOMID® M-8-10

Product code : 1069322

**Manufacturer or supplier's details**

Company name of supplier : STEPAN US  
Address : 1101 Skokie Blvd, Suite 500  
Northbrook IL 60062

Telephone : (847) 446-7500

Emergency telephone Medical 1-800-228-5635 (Available 24 hours a day.  
SDS/Product information may not be  
available for the emergency service.)

Chemtrec 1-800-424-9300

Chemtrec Int'l 1-703-527-3887

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

Recommended use : Surfactant

Restrictions on use : For industrial use only.

**SECTION 2. HAZARDS IDENTIFICATION****GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)**

Skin irritation : Category 2

Serious eye damage : Category 1

Specific target organ toxicity : Category 3 (Respiratory system)  
- single exposure

Short-term (acute) aquatic : Category 2  
hazard

**GHS label elements**

Hazard pictograms :



Signal Word : Danger

Hazard Statements : H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H335 May cause respiratory irritation.  
H401 Toxic to aquatic life.

Precautionary Statements : **Prevention:**  
P261 Avoid breathing mist or vapors.

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P264 Wash skin thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/ eye protection/ face protection.

**Response:**

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.

P332 + P313 If skin irritation occurs: Get medical advice/ attention.

P362 Take off contaminated clothing and wash before reuse.

**Storage:**

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

**Disposal:**

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

**Other hazards**

None known.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture : Substance  
Substance name : Reaction mass of N,N-dimethyldecan-1-amide and N,N-dimethyloctanamide  
CAS-No. : Not Assigned

**Components**

Chemical name	CAS-No.	Concentration (% w/w)
N,N-dimethyloctanamide	1118-92-9	45 - 70
N,N-dimethyldecan-1-amide	14433-76-2	30 - 60

Actual concentration is withheld as a trade secret

**SECTION 4. FIRST AID MEASURES**

General advice : Immediate medical attention is required. Show this material safety data sheet to the doctor in attendance.  
If inhaled : Remove person to fresh air. If signs/symptoms continue, get medical attention.  
In case of skin contact : Remove contaminated clothing and shoes. Wash off with soap and water.

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In case of eye contact	:	Get medical attention if irritation develops and persists. Wash contaminated clothing before reuse. In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Continue rinsing.
If swallowed	:	Get medical attention immediately. Rinse mouth. Call a POISON CENTER or doctor/physician if you feel unwell.
Most important symptoms and effects, both acute and delayed	:	Causes skin irritation. Causes serious eye damage. May cause respiratory irritation.

**SECTION 5. FIRE-FIGHTING MEASURES**

Suitable extinguishing media	:	Carbon dioxide, dry powder, foam. Fog
Unsuitable extinguishing media	:	Water spray jet
Specific hazards during fire fighting	:	May release toxic, irritating and/or corrosive gases.
Further information	:	Standard procedure for chemical fires.
Special protective equipment for fire-fighters	:	Wear self-contained breathing apparatus for firefighting if necessary.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures	:	Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Use personal protective equipment.
Environmental precautions	:	Local authorities should be advised if significant spillages cannot be contained. 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	:	Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). Clean thoroughly. After cleaning, flush away traces with water. Wipe up with absorbent material (e.g. cloth, fleece). Keep in suitable, closed containers for disposal.

**SECTION 7. HANDLING AND STORAGE**

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Technical measures	:	Ensure that eyewash stations and safety showers are close to the workstation location.
Advice on protection against fire and explosion	:	Normal measures for preventive fire protection.
Advice on safe handling	:	Wear personal protective equipment. For personal protection see section 8. Provide sufficient air exchange and/or exhaust in work rooms. As a rule, at least 10 air changes per hour are recommended at the workplace. Handle and open container with care. Keep container closed when not in use. Do not get in eyes or mouth or on skin. Do not swallow. Do not breathe dust, fume, gas, mist, vapors or spray. Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product.
Conditions for safe storage	:	Store in original container. Keep tightly closed.
Materials to avoid	:	Store away from incompatible materials (see Section 10 of the SDS).
Further information on storage stability	:	No decomposition if stored and applied as directed.

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**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Ingredients with workplace control parameters**

Contains no substances with occupational exposure limit values.

**Personal protective equipment**

Respiratory protection	:	In case of insufficient ventilation, wear suitable respiratory equipment.
Hand protection	:	
Remarks	:	Protective gloves The suitability for a specific workplace should be discussed with the producers of the protective gloves.
Eye protection	:	Wear safety glasses with side shields or goggles. Face-shield
Skin and body protection	:	Lightweight protective clothing Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.
Protective measures	:	Personal protective equipment comprising: suitable protective gloves, safety goggles and protective clothing
Hygiene measures	:	Do not taste or swallow. General industrial hygiene practice. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Wash hands before breaks and immediately after handling the product.

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

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Appearance : liquid

Color : amber

Odor : mild

pH : 6 - 8  
Concentration: 1 %  
(as aqueous solution)

Melting point/freezing point : -29 - 1 °F / -34 - -17 °C

Pour point : -4 °F / -20 °C

Initial boiling point and boiling range : 464 - 510 °F / 240 - 266 °C

Flash point : 245 °F / 118 °C  
Method: Pensky-Martens closed cup

Relative density : 0.879 - 0.884 (77 °F / 25 °C)

Viscosity  
Viscosity, dynamic : 11 mPa.s (77 °F / 25 °C)

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### SECTION 10. STABILITY AND REACTIVITY

Reactivity : Stable under recommended storage conditions.

Chemical stability : Stable under normal conditions.

Possibility of hazardous reactions : Stable under recommended storage conditions.

Conditions to avoid : Contact with incompatible materials.

Incompatible materials : Strong oxidizing agents

Hazardous decomposition products : Thermal decomposition  
This product may release the following:  
Carbon oxides  
Nitrogen oxides (NO<sub>x</sub>)  
Hydrogen cyanide (hydrocyanic acid)

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### SECTION 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

Based on available data, the classification criteria are not met.

#### **Product:**

Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg  
Assessment: The component/mixture is minimally toxic after single ingestion.

Acute inhalation toxicity : LC50 (Rat): > 3,500 mg/m<sup>3</sup>  
Exposure time: 4 h  
Test atmosphere: dust/mist

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Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 (Rat): > 2,000 mg/kg  
Assessment: The component/mixture is minimally toxic after single contact with skin.

**Skin corrosion/irritation**

Causes skin irritation.

**Product:**

Result : Irritating to skin.

**Serious eye damage/eye irritation**

Causes serious eye damage.

**Product:**

Result : Corrosive

**Respiratory or skin sensitization****Skin sensitization**

Based on available data, the classification criteria are not met.

**Respiratory sensitization**

Based on available data, the classification criteria are not met.

**Product:**

Result : Not sensitising

**Germ cell mutagenicity**

Based on available data, the classification criteria are not met.

**Product:**

Germ cell mutagenicity - Assessment : Weight of evidence does not support classification as a germ cell mutagen.

**Carcinogenicity**

Based on available data, the classification criteria are not met.

**Product:**

Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

**IARC** No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**OSHA** No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP** No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

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**Reproductive toxicity**

Not classified due to lack of data.

**Product:**

Reproductive toxicity - Assessment : No toxicity to reproduction

**STOT-single exposure**

May cause respiratory irritation.

**Product:**

Assessment : May cause respiratory irritation.

**STOT-repeated exposure**

Based on available data, the classification criteria are not met.

**Product:**

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

**Repeated dose toxicity****Product:**

Remarks : No data available

**Aspiration toxicity**

Based on available data, the classification criteria are not met.

**Product:**

No aspiration toxicity classification

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**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity****Product:**

Toxicity to fish : LC50 (Fish): 19 - 21.1 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia): 7.7 mg/l  
Exposure time: 48 h

Toxicity to algae/aquatic plants : EC50 (algae): 16.1 mg/l  
Exposure time: 72 h

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 1.3 mg/l  
Exposure time: 21 d  
Method: OECD Test Guideline 211

**Ecotoxicology Assessment**

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Acute aquatic toxicity : Toxic to aquatic life.

Chronic aquatic toxicity : This product has no known ecotoxicological effects.

### Persistence and degradability

#### Product:

Biodegradability : Result: Readily biodegradable.

### Bioaccumulative potential

No data available

### Mobility in soil

No data available

### Other adverse effects

#### Product:

Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances  
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

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## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : Dispose of contents/ container to an approved waste disposal plant.  
The hazard and precautionary statements displayed on the label also apply to any residues left in the container.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

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## SECTION 14. TRANSPORT INFORMATION

### International Regulations

#### UNRTDG

Not regulated as a dangerous good

#### IATA-DGR

Not regulated as a dangerous good

#### IMDG-Code

Not regulated as a dangerous good

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

Not applicable for product as supplied.

### Domestic regulation

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### 49 CFR

Not regulated as a dangerous good

### Special precautions for user

Not applicable

## SECTION 15. REGULATORY INFORMATION

### CERCLA Reportable Quantity

Listed substances in the product are at low enough levels to not be expected to exceed the RQ

### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

### SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

**SARA 311/312 Hazards** : Skin corrosion or irritation  
Serious eye damage or eye irritation  
Specific target organ toxicity (single or repeated exposure)

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489).

### Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

This product does not contain any priority pollutants related to the U.S. Clean Water Act

### California Prop. 65

WARNING: This product can expose you to chemicals including methanol, which is/are known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

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

TSCA : On the inventory, or in compliance with the inventory

AIIC : On the inventory, or in compliance with the inventory

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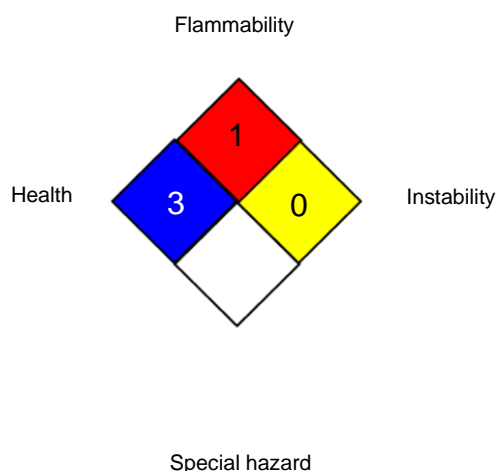
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DSL	:	This product contains one or several components listed in the Canadian NDSL.
IECSC	:	All components are listed on the inventory, regulatory obligations/restrictions apply
ENCS	:	On the inventory, or in compliance with the inventory
ISHL	:	On the inventory, or in compliance with the inventory
NZIoC	:	On the inventory, or in compliance with the inventory
PICCS	:	Not in compliance with the inventory
TCSI	:	On the inventory, or in compliance with the inventory

### SECTION 16. OTHER INFORMATION

#### Further information

##### NFPA 704:



##### HMIS® IV:

HEALTH	/	3
FLAMMABILITY		1
PHYSICAL HAZARD		0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "\*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

#### Full text of other abbreviations

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; 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; HMIS - Hazardous Materials Identification System; 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 Organiza-

