



# SAFETY DATA SHEET

## Dove Men+Care Body+Face Bars – All Variants Extra Fresh, Deep Clean, Aqua Impact, Clean Comfort, Oil Control

### Section 1. Identification

|                              |   |                                                                                                                |
|------------------------------|---|----------------------------------------------------------------------------------------------------------------|
| <b>Product name</b>          | : | Dove Men+Care Body+Face Bar – All Variants<br>Extra Fresh, Deep Clean, Aqua Impact, Clean Comfort, Oil Control |
| <b>Product type</b>          | : | Cleansing Bar                                                                                                  |
| <b>UPC Code</b>              | : | 011111012509, 011111012080                                                                                     |
| <b>Internal product code</b> | : | 83206514 (Gear)                                                                                                |

#### Relevant identified uses of the substance or mixture and uses advised against

| Identified uses                                                                                  |
|--------------------------------------------------------------------------------------------------|
| Industrial uses: Uses of substances as such or in preparations at industrial sites               |
| Consumer uses: Private households (= general public = consumers)                                 |
| Professional uses: Public domain (administration, education, entertainment, services, craftsmen) |

|                                                                 |   |                                                                                                                                                                                                                            |
|-----------------------------------------------------------------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Supplier's details</b>                                       | : | UNILEVER<br>700 Sylvan Avenue<br>Englewood Cliffs NJ 07632<br>USA                                                                                                                                                          |
| <b>Emergency telephone number<br/>(with hours of operation)</b> | : | Phone #: 800-761-3683 Monday thru Friday (8:30 AM – 5:00 PM EST)<br>Emergency #: 800-745-9269 (24 hours)<br>Poison Control #: 800-949-7866 (24 hours)<br>CHEMTREC #: 800-424-9300(24 hours, Transportation<br>Emergencies) |

#### **Consumer Information:**

For information regarding the use of this product by a consumer, please refer directly to the product label. This industrial MSDS is provided for workplace employees, per US OSHA regulations. It contains recommendations for handling of this product in an occupational, or workplace, setting.

Any first aid or warnings that are applicable to consumer use are stated directly on the product label, in accordance with all applicable government regulations.

## Section 2. Hazards identification

- OSHA/HCS status** : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
- Classification of the substance or mixture** : SKIN CORROSION/IRRITATION - Category 2  
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1

### GHS label elements

**Hazard pictograms**



**Signal word**

**Hazard statements**

- : Danger
- : Causes serious eye damage.
- : Causes skin irritation.

### Precautionary statements

**General**

**Prevention**

**Response**

- : Keep out of reach of children.
- : Wear eye or face protection.
- : IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical attention. 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 or physician.

**Storage**

**Disposal**

**Supplemental label elements**

**Hazards not otherwise classified**

- : Not applicable.
- : Not applicable.
- : None known.
- : None known.

## Section 3. Composition/information on ingredients

**Substance/mixture** : Mixture

### CAS number/other identifiers

| Ingredient name | % | CAS number |
|-----------------|---|------------|
|-----------------|---|------------|

|                                |         |            |
|--------------------------------|---------|------------|
| Cocamidopropyl Betaine         | 0 – 5   | 61789-40-0 |
| Lauric Acid                    | 1 – 10  | 143-07-7   |
| Sodium C14-16 Olefin Sulfonate | 0 – 5   | 68439-57-6 |
| Sodium Lauroyl Isethionate     | 25 – 50 | 7381-01-3  |

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.**

**Occupational exposure limits, if available, are listed in Section 8.**

## Section 4. First-aid measures

### Description of necessary first aid measures

- Eye contact** : Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.
- Inhalation** : Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin contact** : Get medical attention immediately. Call a poison center or physician. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Ingestion** : Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not

enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

### **Most important symptoms/effects, acute and delayed**

#### **Potential acute health effects**

|              |   |                                               |
|--------------|---|-----------------------------------------------|
| Eye contact  | : | Causes serious eye damage.                    |
| Inhalation   | : | No known significant effects.                 |
| Skin contact | : | Causes skin irritation.                       |
| Ingestion    | : | May cause burns to mouth, throat and stomach. |

#### **Over-exposure signs/symptoms**

|              |   |                                                                                                      |
|--------------|---|------------------------------------------------------------------------------------------------------|
| Eye contact  | : | Adverse symptoms may include the following:<br>pain<br>watering<br>redness                           |
| Inhalation   | : | No specific data.                                                                                    |
| Skin contact | : | Adverse symptoms may include the following:<br>pain or irritation<br>redness<br>blistering may occur |
| Ingestion    | : | Adverse symptoms may include the following:<br>stomach pains                                         |

### **Indication of immediate medical attention and special treatment needed, if necessary**

|                            |   |                                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Notes to physician         | : | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.                                                                                                                                                                                                                                                                         |
| Specific treatments        | : | No specific treatment.                                                                                                                                                                                                                                                                                                                                                                            |
| Protection of first-aiders | : | No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. |

See toxicological information (Section 11)

## **Section 5. Fire-fighting measures**

### **Extinguishing media**

|                                |   |                                                               |
|--------------------------------|---|---------------------------------------------------------------|
| Suitable extinguishing media   | : | Use an extinguishing agent suitable for the surrounding fire. |
| Unsuitable extinguishing media | : | None known.                                                   |

|                                                       |   |                                                                                                                                                                                             |
|-------------------------------------------------------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>NFPA 30B Classification</b>                        | : | Not available.                                                                                                                                                                              |
| <b>Specific hazards arising from the chemical</b>     | : | In a fire or if heated, a pressure increase will occur and the container may burst.                                                                                                         |
| <b>Hazardous thermal decomposition products</b>       | : | No specific data.                                                                                                                                                                           |
| <b>Special protective actions for fire-fighters</b>   | : | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. |
| <b>Special protective equipment for fire-fighters</b> | : | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.                         |

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

|                                    |   |                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------------|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>For non-emergency personnel</b> | : | No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Do not breathe vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. |
| <b>For emergency responders</b>    | : | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".                                                                                                                                                                                        |
| <b>Environmental precautions</b>   | : | Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).                                                                                                                                                                            |

### Methods and materials for containment and cleaning up

|                    |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--------------------|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Small spill</b> | : | Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Large spill</b> | : | Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilt product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal. |

## Section 7. Handling and storage

### Precautions for safe handling

- |                                                                     |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|---------------------------------------------------------------------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Protective measures</b>                                          | : | Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapour or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. |
| <b>Advice on general occupational hygiene</b>                       | : | Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.                                                                                                                                                                                                                                                                                                         |
| <b>Conditions for safe storage, including any incompatibilities</b> | : | Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.                                                                                                                                          |

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

None.

- |                                         |   |                                                                                                                                                                                                                                                                                                                      |
|-----------------------------------------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Appropriate engineering controls</b> | : | If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.                                                                            |
| <b>Environmental exposure controls</b>  | : | Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. |

### Individual protection measures

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- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

### Skin protection

- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

## Section 9. Physical and chemical properties

### Appearance

- Physical state** : Solid soap bar
- Colour** : Various tinted shades
- Odour** : Perfumed
- Odour threshold** : Not available.
- pH** : 7.5

|                                                     |   |                                                                     |
|-----------------------------------------------------|---|---------------------------------------------------------------------|
| <b>Melting point</b>                                | : | Not available                                                       |
| <b>Boiling point</b>                                | : | Not available.                                                      |
| <b>Flash point</b>                                  | : | > 200 °F (93.3 °C)                                                  |
| <b>Evaporation rate</b>                             | : | Not available.                                                      |
| <b>Flammability (solid, gas)</b>                    | : | Not available.                                                      |
| <b>Lower and upper explosive (flammable) limits</b> | : | <b>Lower:</b> Not available.<br><b>Upper:</b> Not available.        |
| <b>Vapour density</b>                               | : | Not available.                                                      |
| <b>Relative density</b>                             | : | Not available.                                                      |
| <b>Solubility</b>                                   | : | Not available.                                                      |
| <b>Solubility in water</b>                          | : | Not available.                                                      |
| <b>Partition coefficient: n-octanol/water</b>       | : | Not available.                                                      |
| <b>Auto-ignition temperature</b>                    | : | Not available.                                                      |
| <b>Decomposition temperature</b>                    | : | Not available.                                                      |
| <b>Viscosity</b>                                    | : | <b>Dynamic:</b> Not applicable<br><b>Kinematic:</b> Not applicable. |

## Section 10. Stability and reactivity

|                                           |   |                                                                                                                                                                                                           |
|-------------------------------------------|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reactivity</b>                         | : | No specific test data related to reactivity available for this product or its ingredients.                                                                                                                |
| <b>Chemical stability</b>                 | : | The product is stable.                                                                                                                                                                                    |
| <b>Possibility of hazardous reactions</b> | : | Under normal conditions of storage and use, hazardous reactions will not occur.                                                                                                                           |
| <b>Conditions to avoid</b>                | : | No specific data.                                                                                                                                                                                         |
| <b>Incompatible materials</b>             | : | No specific data.                                                                                                                                                                                         |
| <b>Hazardous decomposition products</b>   | : | Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

|                           |   |                                         |
|---------------------------|---|-----------------------------------------|
| <b>Conclusion/Summary</b> | : | Very low toxicity to humans or animals. |
|---------------------------|---|-----------------------------------------|

#### Irritation/Corrosion

|                           |   |                                                                   |
|---------------------------|---|-------------------------------------------------------------------|
| <b>Conclusion/Summary</b> | : |                                                                   |
| <b>Skin</b>               | : | Causes skin irritation.                                           |
| <b>Eyes</b>               | : | Causes serious eye damage.                                        |
| <b>Respiratory</b>        | : | Based on available data, the classification criteria are not met. |

#### Sensitisation

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**Conclusion/Summary**

- Skin** : Based on available data, the classification criteria are not met.  
**Respiratory** : Based on available data, the classification criteria are not met.

**Mutagenicity**

- Conclusion/Summary** : Not applicable.

**Carcinogenicity**

- Conclusion/Summary** : Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

**Reproductive toxicity**

- Conclusion/Summary** : Not applicable.

**Teratogenicity**

- Conclusion/Summary** : Not applicable.

**Specific target organ toxicity (single exposure)**

Not available.

**Specific target organ toxicity (repeated exposure)**

Not available.

**Aspiration hazard**

Not available.

- Information on the likely routes of exposure** : Not available.

**Potential acute health effects**

- Eye contact** : Causes serious eye damage.  
**Inhalation** : No known significant effects.  
**Skin contact** : Causes skin irritation.  
**Ingestion** : May cause burns to mouth, throat and stomach.

**Symptoms related to the physical, chemical and toxicological characteristics**

- Eye contact** : Adverse symptoms may include the following:  
pain  
watering  
redness  
**Inhalation** : No specific data.  
**Skin contact** : Adverse symptoms may include the following:  
pain or irritation  
redness  
blistering may occur

**Ingestion** : Adverse symptoms may include the following:  
stomach pains

### **Delayed and immediate effects and also chronic effects from short and long term exposure**

#### **Short term exposure**

**Potential immediate effects** : Not available.  
**Potential delayed effects** : Not available.

#### **Long term exposure**

**Potential immediate effects** : Not available.  
**Potential delayed effects** : Not available.

#### **Potential chronic health effects**

**Conclusion/Summary** : Very low toxicity to humans or animals.  
**General** : No known significant effects or critical hazards.  
**Carcinogenicity** : No known significant effects or critical hazards.  
**Mutagenicity** : No known significant effects or critical hazards.  
**Teratogenicity** : No known significant effects or critical hazards.  
**Developmental effects** : No known significant effects or critical hazards.  
**Fertility effects** : No known significant effects or critical hazards.

### **Numerical measures of toxicity**

#### **Acute toxicity estimates**

Not available.

## **Section 12. Ecological information**

### **Toxicity**

**Conclusion/Summary** : No known significant effects or critical hazards.

### **Persistence and degradability**

**Conclusion/Summary** : No known significant effects or critical hazards.

### **Bioaccumulative Potential**

**Conclusion/Summary** : No known significant effects or critical hazards.

### **Mobility in soil**

**Soil/water partition coefficient (KOC)** : Not available.  
**Other adverse effects** : No known significant effects or critical hazards.

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## Section 13. Disposal considerations

- Disposal methods** : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.
- RCRA classification** : No known significant effects or critical hazards.

**United States - RCRA Acute hazardous waste "P" List:** Not listed

**United States - RCRA Toxic hazardous waste "U" List:** Not listed

## Section 14. Transport information

| FOR SHIPMENT IN<br>CONSUMER<br>CONTAINERS | <u>Ground</u> | <u>Water</u>                                         | <u>Air</u>    |
|-------------------------------------------|---------------|------------------------------------------------------|---------------|
| UN number                                 | Not regulated | Not regulated                                        | Not regulated |
| UN proper shipping name                   | Not regulated | Not regulated                                        | Not regulated |
| Transport hazard class(es)                | Not regulated | Not regulated                                        | Not regulated |
| Packing group                             | -             | -                                                    | -             |
| Environmental hazards                     | None          | None                                                 | None          |
| Additional information                    | Not regulated | Not regulated<br><b><u>Marine pollutant:</u></b> No. | Not regulated |

- Special precautions for user** : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons

transporting the product have been trained in the event of an accident or spillage.’

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

Not available.

## Section 15. Regulatory information

|                                                              |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------------------------------------------------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| U.S. Federal regulations                                     | : | <b>United States - TSCA 12(b) - Chemical export notification:</b><br>None of the components are listed.<br><b>United States - TSCA 4(a) - Final Test Rules:</b> Not listed<br><b>United States - TSCA 4(a) - ITC Priority list:</b> Not listed<br><b>United States - TSCA 4(a) - Proposed test rules:</b> Not listed<br><b>United States - TSCA 4(f) - Priority risk review:</b> Not listed<br><b>United States - TSCA 5(a)2 - Final significant new use rules:</b><br>Not listed<br><b>United States - TSCA 5(a)2 - Proposed significant new use rules:</b><br>Not listed<br><b>United States - TSCA 5(e) - Substances consent order:</b> Not listed<br><b>United States - TSCA 6 - Final risk management:</b> Not listed<br><b>United States - TSCA 6 - Proposed risk management:</b> Not listed<br><b>United States - TSCA 8(a) - Chemical risk rules:</b> Not listed<br><b>United States - TSCA 8(a) - Dioxin/Furan precursor:</b> Not listed<br><b>United States - TSCA 8(a) - Chemical Data Reporting (CDR):</b><br>Not determined<br><b>United States - TSCA 8(a) - Preliminary assessment report (PAIR):</b> Not listed<br><b>United States - TSCA 8(c) - Significant adverse reaction (SAR):</b><br>Not listed<br><b>United States - TSCA 8(d) - Health and safety studies:</b> Not listed<br><b>United States - EPA Clean water act (CWA) section 307 - Priority pollutants:</b> Not listed<br><b>United States - EPA Clean water act (CWA) section 311 - Hazardous substances:</b> Listed Ammonium chloride Acetic acid<br><b>United States - EPA Clean air act (CAA) section 112 - Accidental release prevention - Flammable substances:</b> Not listed<br><b>United States - EPA Clean air act (CAA) section 112 - Accidental release prevention - Toxic substances:</b> Not listed<br><b>United States - Department of commerce - Precursor chemical:</b><br>Not listed |
| Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs) | : | Not listed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Clean Air Act Section 602 Class I Substances                 | : | Not listed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Clean Air Act Section 602 Class II Substances                | : | Not listed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| DEA List I Chemicals (Precursor Chemicals)                   | : | Not listed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

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**DEA List II Chemicals (Essential Chemicals)** : Not listed

**SARA 302/304**

: Not applicable.

**SARA 304 RQ** : Not applicable.

**SARA 311/312**

**Classification** : Immediate (acute) health hazard  
Delayed (chronic) health hazard

**Composition/information on ingredients**

| Name           | %   | Classification |
|----------------|-----|----------------|
| Not Applicable | N/A | N/A            |

**SARA 313**

None of the components are listed.

**State regulations**

**Massachusetts** : None of the components are listed.  
**New York** : None of the components are listed.  
**New Jersey** : None of the components are listed.  
**Pennsylvania** : None of the components are listed.

**US California 22CCR Appendix X Substances**

Not listed

**California Prop. 65** : Not applicable.

**United States inventory (TSCA 8b)** : Exempted

**Canada inventory** : Not determined.

**International regulations**

**International lists** : **Australia inventory (AICS):** Not determined.  
**Taiwan inventory (CSNN):** Not determined.  
**Malaysia Inventory (EHS Register):** Not determined.  
**Japan inventory:** Not determined.  
**China inventory (IECSC):** Not determined.  
**Korea inventory:** Not determined.  
**New Zealand Inventory of Chemicals (NZIoC):** Not determined.  
**Philippines inventory (PICCS):** Not determined.

Chemical Weapons Convention : Not listed  
 List Schedule I Chemicals  
 Chemical Weapons Convention : Not listed  
 List Schedule II Chemicals  
 Chemical Weapons Convention : Not listed  
 List Schedule III Chemicals

## Section 16. Other information

Reprinted with permission from NFPA 704-2001, Identification of the Hazards of Materials for Emergency Response Copyright ©1997, National Fire Protection Association, Quincy, MA 02269. This reprinted material is not the complete and official position of the National Fire Protection Association, on the referenced subject which is represented only by the standard in its entirety.

Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

### History

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**Key to abbreviations** :

- ATE = Acute Toxicity Estimate
- ACGIH = American Conference of Governmental & Industrial Hygienists
- AH = Acute Hazard
- BCF = Bioconcentration Factor
- CAA = Clean Air Act
- CARB = California Air Resources Board
- CCR = California Code of Regulations
- CERCLA = Comprehensive Environmental Response, Compensation & Liability Act
- CFR = Code of Federal Regulations
- CH = Chronic Hazard
- CWA = Clean Water Act
- DEA = Drug Enforcement Administration
- DOT = Department of Transportation
- EC = European Commission
- EPCRA = Emergency Planning and Community Right-To-Know Act
- EST = Eastern Standard Time
- F = Fire
- HAPS = Hazardous Air Pollutants
- HCS = Hazard Communication Standard
- HMIS = Hazardous Materials Information System

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HVOC = High Volatile Organic Compound  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IARC = International Agency for the Research of Cancer  
IATA = International Air Transport Association  
IBC = Intermediate Bulk Container  
ICAO = International Civil Aviation Organization  
IMDG = International Maritime Dangerous Goods  
IMO = International Maritime Organization  
ITC = Interagency Testing Committee (TSCA)  
KOC = Organic Carbon/Water Partition Constant  
LogPow = logarithm of the octanol/water partition coefficient  
LVOC = Low Volatile Organic Compound  
MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
MPPCF = Million Particles Per Cubic Foot  
N/A = Not Applicable  
NFPA = National Fire Protection Association  
NOEC = No Observable Effect Concentration  
NTP = National Toxicology Program  
OSHA = Occupation Safety & Health Administration  
PEL = Permissible Exposure Limit  
RCRA = Resource Conservation & Recovery Act  
RQ = Reportable Quantity  
RTK = Right-To-Know  
SARA = Superfund Amendments & Reauthorization Act  
STEL = Short-Term Exposure Limit  
TBD = To Be Determined  
TCC = Tagliabue Closed Cup  
TCLP = Toxicity Characteristic Leaching Procedure  
TDG = Transport of Dangerous Goods  
TLV = Threshold Limit Value  
TSCA = Toxic Substances Control Act  
TWA = Time Weighted Average  
UN = United Nations

**References** : Evaluation method used for mixture classification: Calculation method.  
Hazard Communication Standard 29 CFR 1910.1200 and Appendices

#### **Notice to reader**

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