

# Freedom Clean 1776 Natural Brake Cleaner

## Safety Data Sheet

According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)  
Issue date: 8/4/2026 Version: 1.0

### SECTION 1 Identification

#### 1.1. Product identifier

Product form : Mixture  
Trade name : Freedom Clean 1776 Natural Brake Cleaner  
Product code : 0008

#### 1.2. Other means of identification

Other means of identification : Natural Brake Cleaner (soy-based, non-aerosol, non-chlorinated)

#### 1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture : Brake cleaners  
Restrictions on use : All other uses not recommended

#### 1.4. Supplier's details

Freedom Clean 1776  
P.O. Box 126301  
Benbrook, TX 76126  
USA  
T +1 817-205-2562  
[sales@freedomclean1776.com](mailto:sales@freedomclean1776.com)

#### 1.5. Emergency phone number

Emergency number : For Hazardous Materials or Dangerous Goods Incident Spill, Leak, Fire, Exposure, or Accident  
Call CHEMTREC Day or Night: 1-800-424-9300 (Toll Free, USA) / 703-527-3887 (Virginia, USA)  
CCN 1018872  
Back-up Emergency Number: +1 703-741-5970 (Washington, DC)

### SECTION 2 Hazard Identification

#### 2.1. Classification of the substance or mixture

##### GHS US classification

|                                               |      |                                      |
|-----------------------------------------------|------|--------------------------------------|
| Serious eye damage/eye irritation, Category 1 | H318 | Causes serious eye damage.           |
| Skin sensitization, Category 1                | H317 | May cause an allergic skin reaction. |
| Full text of H statements : see section 16    |      |                                      |

#### 2.2. Label elements

##### GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Danger  
Hazard statements (GHS US) : H317 - May cause an allergic skin reaction  
H318 - Causes serious eye damage  
Precautionary statements (GHS US) : Avoid breathing mist, spray, vapors.  
Contaminated work clothing must not be allowed out of the workplace.  
Wear protective gloves, protective clothing, eye and face protection.  
If on skin: Wash with plenty of water.  
If skin irritation or rash occurs: Get medical advice or attention.

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Take off contaminated clothing and wash it before reuse.

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 doctor.

Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

### 2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

### 2.4. Hazards not otherwise classified

No additional information available

### 2.5. Unknown acute toxicity

No additional information available

## SECTION 3 Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name                                         | Product identifier  | %  | GHS US classification                                                                                                                     |
|----------------------------------------------|---------------------|----|-------------------------------------------------------------------------------------------------------------------------------------------|
| Methyl Ester                                 | CAS-No.: 67784-80-9 | 87 | Eye Irrit. 2A, H319<br>Skin Sens. 1B, H317                                                                                                |
| Alcohols, C11-14-iso-, C13-rich, ethoxylated | CAS-No.: 78330-21-9 | 10 | Eye Dam. 1, H318                                                                                                                          |
| (R)-p-mentha-1,8-diene                       | CAS-No.: 5989-27-5  | 3  | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Skin Sens. 1B, H317<br>Asp. Tox. 1, H304<br>Aquatic Acute 1, H400<br>Aquatic Chronic 3, H412 |

Full text of hazard classes and H-statements : see section 16

## SECTION 4 First aid measures

### 4.1. Description of necessary first-aid measures

|                                       |                                                                                                                                                                                                                                                                                                                |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| First-aid measures general            | : First aider: Pay attention to self-protection. Never give anything by mouth to an unconscious person. Give artificial respiration if necessary. Induce artificial respiration with mask fitted with one-way valve or other suitable device but, not mouth-to-mouth. If you feel unwell, seek medical advice. |
| First-aid measures after inhalation   | : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor.                                                                                                                      |
| First-aid measures after skin contact | : Remove affected clothing and wash all exposed skin areas with mild soap and water, followed by warm water rinse. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention.                                                                                   |
| First-aid measures after eye contact  | : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately transport the casualty to an eye doctor / hospital. Continue rinsing with water during transport.                                                               |

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|                                    |                                                                                                                                                                                                                                                                                                                             |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| First-aid measures after ingestion | : Rinse mouth. Do NOT induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. If the person is fully conscious, make him/her drink water (8 ounces / 240mL). Never give an unconscious person anything to drink. Call a poison center/doctor/physician if you feel unwell. |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### 4.2. Most important symptoms/effects, acute and delayed

|                                     |                                                                                           |
|-------------------------------------|-------------------------------------------------------------------------------------------|
| Symptoms/effects after inhalation   | : Inhalation may cause irritation, cough, shortness of breath.                            |
| Symptoms/effects after skin contact | : May cause an allergic skin reaction.                                                    |
| Symptoms/effects after eye contact  | : Causes serious eye damage. Stinging, redness, itching, tears, blurred vision, swelling. |
| Symptoms/effects after ingestion    | : Ingestion may cause nausea, vomiting and diarrhea.                                      |

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

|                                   |                                 |
|-----------------------------------|---------------------------------|
| Other medical advice or treatment | : Call a physician immediately. |
|-----------------------------------|---------------------------------|

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

|                                |                                                                                     |
|--------------------------------|-------------------------------------------------------------------------------------|
| Suitable extinguishing media   | : Dry chemical, CO <sub>2</sub> , dry sand, or alcohol-resistant foam. Water spray. |
| Unsuitable extinguishing media | : Do not use a heavy water stream.                                                  |

### 5.2. Specific hazards arising from the chemical

|                                                  |                                                                      |
|--------------------------------------------------|----------------------------------------------------------------------|
| Fire hazard                                      | : No fire hazard.                                                    |
| Explosion hazard                                 | : No direct explosion hazard.                                        |
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. Carbon oxides (CO, CO <sub>2</sub> ). |

### 5.3. Special protective equipment and precautions for fire-fighters

|                                |                                                                                                                                                                                                                                                                                                                                             |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Firefighting instructions      | : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection. Move containers from fire area if it can be done without personal risk. Use water spray or fog for cooling exposed containers. Prevent fire-fighting water from entering environment. |
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.                                                                                                                                                                                                    |

## SECTION 6 Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

|                  |                                                                                                                                                                                                                                             |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General measures | : Avoid all personal contact including breathing in the mist, spray, vapors. Absorb spillage to prevent material-damage. Stop leak if safe to do so. Remove ignition sources. Notify authorities if product enters sewers or public waters. |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

#### For non-emergency personnel

|                      |                                                                                                                                                                                                                                                                                                                           |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protective equipment | : Wear recommended personal protective equipment.                                                                                                                                                                                                                                                                         |
| Emergency procedures | : Evacuate the danger area. If outdoors, move to an area upwind of the danger area. If possible without taking personal risks, Remove ignition sources, ventilate area. Avoid contact with skin and eyes. Prevent other non-emergency personnel from entering the danger area. No open flames, no sparks, and no smoking. |

#### For emergency responders

|                      |                                                                                                                                                                                                                 |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protective equipment | : Wear the recommended personal protective equipment. Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |
| Emergency procedures | : Evacuate personnel to a safe area. Do not touch or walk on the spilled product. Stop leak if safe to do so. Ventilate area. Remove all sources of ignition.                                                   |

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Environmental precautions : Avoid release to the environment. Prevent entry to sewers and public waters.

### 6.2. Methods and materials for containment and cleaning up

For containment : Contain with non-combustible inert absorbent. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak, if possible without risk.

Methods for cleaning up : Take up in non-combustible inert absorbent and place into container for disposal. Contaminated absorbent material may pose the same hazard as the spilled product. Decontaminate surfaces and equipment with water. Until a sufficient level of dilution is achieved, the decontamination water may pose the same hazards as the product. Notify authorities if product enters sewers or public waters. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations.

For further information refer to section 8: "Exposure controls/personal protection", For further information refer to section 13

## SECTION 7 Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Use only outdoors or in a well-ventilated area. Avoid contact with skin, eyes and clothing. Avoid breathing mist, spray, vapors.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash contaminated clothing before reuse.

### 7.2. Conditions for safe storage, including incompatibilities

Storage conditions : Store in a cool, dry and well-ventilated area away from incompatible substances. Keep container tightly closed. Protect from sunlight. Do not pressurize, cut, weld, braze, drill, grind. Avoid extreme temperatures.

Incompatible materials : Oxidizing agents.

Packaging materials : Always store product in container of same material as original container.

## SECTION 8 Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station. Handle in accordance with good industrial hygiene and safety procedures. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Environmental exposure controls : Avoid release to the environment. Take measures to reduce or limit air emissions and releases to soil and the aquatic environment.

### 8.3. Individual protection measures, such as personal protective equipment

#### Personal protective equipment:

Personal protective equipment should be chosen according to national standards and in discussion with the supplier of the protective equipment. Wear recommended personal protective equipment. Avoid all unnecessary exposure.

#### Hand protection:

Wear protective gloves. Chemically impervious gloves as described by OSHA's hand protection regulations in 29 CFR 1910.138

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### Eye protection:

Chemical goggles or face shield

### Skin and body protection:

Body protection should be chosen depending on activity and possible exposure

### Respiratory protection:

Use NIOSH approved respirator if ventilation is inadequate. SCBA for emergency responders. Must be used in accordance with an OSHA compliant respiratory protection program.

### Personal protective equipment symbol(s):



### Other information:

Do not eat, drink or smoke during use.

## SECTION 9 Physical and chemical properties

### 9.1. Basic physical and chemical properties

|                                                 |                                    |
|-------------------------------------------------|------------------------------------|
| Physical state                                  | : Liquid                           |
| Color                                           | : Pale Yellow to Amber             |
| Odor                                            | : Citrus                           |
| Odor threshold                                  | : No data available                |
| pH                                              | : No data available                |
| Melting point                                   | : No data available                |
| Freezing point                                  | : No data available                |
| Boiling point                                   | : No data available                |
| Flash point                                     | : 135 °C / 275 °F                  |
| Flammability (solid, gas)                       | : Non flammable.                   |
| Vapor pressure                                  | : No data available                |
| Relative vapor density at 20°C                  | : No data available                |
| Relative density                                | : 0.88                             |
| Solubility                                      | : Practically insoluble in: Water. |
| Partition coefficient n-octanol/water (Log Pow) | : No data available                |
| Auto-ignition temperature                       | : No data available                |
| Decomposition temperature                       | : No data available                |
| Viscosity, kinematic                            | : No data available                |
| Explosion limits                                | : No data available                |
| Particle characteristics                        | : No data available                |

### 9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

## SECTION 10 Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions of use.

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### 10.3. Possibility of hazardous reactions

None under normal use.

### 10.4. Conditions to avoid

Incompatible materials.

### 10.5. Incompatible materials

Oxidizing agents.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition generates: Carbon oxides (CO, CO<sub>2</sub>).

## SECTION 11 Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

#### (R)-p-mentha-1,8-diene

|               |                          |
|---------------|--------------------------|
| LD50 oral rat | > 2000 mg/kg body weight |
|---------------|--------------------------|

|                    |                          |
|--------------------|--------------------------|
| LD50 dermal rabbit | > 5000 mg/kg body weight |
|--------------------|--------------------------|

Skin corrosion/irritation : Not classified

#### (R)-p-mentha-1,8-diene

|                        |                                                    |
|------------------------|----------------------------------------------------|
| Additional information | Not irritating to rabbits on cutaneous application |
|------------------------|----------------------------------------------------|

Serious eye damage/irritation : Causes serious eye damage.

#### (R)-p-mentha-1,8-diene

|                        |                                                 |
|------------------------|-------------------------------------------------|
| Additional information | Not irritating to rabbits on ocular application |
|------------------------|-------------------------------------------------|

Respiratory or skin sensitization : May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

#### (R)-p-mentha-1,8-diene

|            |                      |
|------------|----------------------|
| IARC group | 3 - Not classifiable |
|------------|----------------------|

Reproductive toxicity : Not classified

#### (R)-p-mentha-1,8-diene

|                             |                       |
|-----------------------------|-----------------------|
| NOAEL (animal/female, F0/P) | 600 mg/kg body weight |
|-----------------------------|-----------------------|

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Aspiration hazard : Not classified

Symptoms/effects after inhalation : Inhalation may cause irritation, cough, shortness of breath.

Symptoms/effects after skin contact : May cause an allergic skin reaction.

Symptoms/effects after eye contact : Causes serious eye damage. Stinging, redness, itching, tears, blurred vision, swelling.

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Symptoms/effects after ingestion : Ingestion may cause nausea, vomiting and diarrhea.

### SECTION 12 Ecological information

#### 12.1. Ecotoxicity

Hazardous to the aquatic environment, short-term (acute) : Toxic to aquatic life

Hazardous to the aquatic environment, long-term (chronic) : Not classified

##### (R)-p-mentha-1,8-diene

|                      |            |
|----------------------|------------|
| LC50 - Fish [1]      | 720 µg/l   |
| EC50 - Crustacea [1] | 0.307 mg/l |
| LC50 - Fish [2]      | 702 µg/l   |
| EC50 - Crustacea [2] | 0.51 mg/l  |
| EC50 72h - Algae [1] | 0.32 mg/l  |
| EC50 72h - Algae [2] | 0.214 mg/l |

#### 12.2. Persistence and degradability

##### Freedom Clean 1776 Natural Brake Cleaner

|                               |                  |
|-------------------------------|------------------|
| Persistence and degradability | Not established. |
|-------------------------------|------------------|

##### Methyl Ester

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

##### Alcohols, C11-14-iso-, C13-rich, ethoxylated

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

##### (R)-p-mentha-1,8-diene

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

#### 12.3. Bioaccumulative potential

No additional information available

#### 12.4. Mobility in soil

##### Alcohols, C11-14-iso-, C13-rich, ethoxylated

|                  |       |
|------------------|-------|
| Mobility in soil | 20860 |
|------------------|-------|

#### 12.5. Other adverse effects

Ozone : Not classified

Fluorinated greenhouse gases : No

### SECTION 13 Disposal considerations

Regional waste regulation : Disposal must be done according to official regulations.

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Sewage disposal recommendations : Disposal must be done according to official regulations.

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|                                            |                                                                                                                                                                                                                                                           |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product/Packaging disposal recommendations | : Dispose of this material and its container at hazardous or special waste collection point. Refer to all applicable national, international and local regulations or provisions. Dispose in a safe manner in accordance with local/national regulations. |
| Additional information                     | : Do not re-use empty containers.                                                                                                                                                                                                                         |
| Ecological waste information               | : Avoid release to the environment.                                                                                                                                                                                                                       |

### SECTION 14 Transport information

In accordance with DOT / IMDG / IATA

| DOT                                     | IMDG          | IATA          |
|-----------------------------------------|---------------|---------------|
| <b>14.1. UN number</b>                  |               |               |
| Not regulated for transport             |               |               |
| <b>14.2. Proper Shipping Name</b>       |               |               |
| Not regulated                           | Not regulated | Not regulated |
| <b>14.3. Transport hazard class(es)</b> |               |               |
| Not regulated                           | Not regulated | Not regulated |
| <b>14.4. Packing group</b>              |               |               |
| Not regulated                           | Not regulated | Not regulated |
| <b>14.5. Environmental hazards</b>      |               |               |
|                                         | Not regulated |               |
| No supplementary information available  |               |               |

#### 14.6. Transport in bulk

Not applicable

#### 14.7. Special precautions for user

##### DOT

Not regulated

##### IMDG

Not regulated

##### IATA

Not regulated

### SECTION 15 Regulatory information

#### 15.1. Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.



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### 15.2. International regulations

#### CANADA

##### Methyl Ester (67784-80-9)

Listed on the Canadian DSL (Domestic Substances List)

##### Alcohols, C11-14-iso-, C13-rich, ethoxylated (78330-21-9)

Listed on the Canadian DSL (Domestic Substances List)

##### (R)-p-mentha-1,8-diene (5989-27-5)

Listed on the Canadian DSL (Domestic Substances List)

#### EU-Regulations

No additional information available

#### National regulations

##### Alcohols, C11-14-iso-, C13-rich, ethoxylated (78330-21-9)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

##### (R)-p-mentha-1,8-diene (5989-27-5)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

### 15.3. State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

## SECTION 16 Other information

According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

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| Full text of hazard classes and H-statements |                                                   |
|----------------------------------------------|---------------------------------------------------|
| H226                                         | Flammable liquid and vapor                        |
| H304                                         | May be fatal if swallowed and enters airways      |
| H315                                         | Causes skin irritation                            |
| H317                                         | May cause an allergic skin reaction               |
| H318                                         | Causes serious eye damage                         |
| H319                                         | Causes serious eye irritation                     |
| H400                                         | Very toxic to aquatic life                        |
| H412                                         | Harmful to aquatic life with long lasting effects |

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.