

**Dynatex Battery Terminal Protector**

Safety Data Sheet

Issue date: 03/19/2025 Version: 1.0



|  |  |
| --- | --- |
| **SECTION 1: Identification of the substance/mixture and of the company/undertaking** | |
| **1.1. Product identifier** |  |
| Product form  Trade name  Reference number  Vaporizer | : Mixture  : Dynatex Brake Cleaner Non-Chlorinated  : 159334  : Aerosol |
| **1.2. Relevant identified uses of the substance or mixture and uses advised against** | |
| **1.2.1. Relevant identified uses**  Intended for general public  Main use category : | Consumer use,Professional use |
| Use of the substance/mixture :  **1.2.2. Uses advised against**  No additional information available | Brake Cleaner |
| **1.3. Details of the supplier of the safety data sheet** | |

Soudal

350 Ring Road

Elizabethtown, KY 42701 T (270) 769-3385 [www.SoudalUSA.com](http://www.Soudal.com/)

**1.4. Emergency telephone number**

Emergency number Chem Trec (800) 424-9300

# SECTION 2: Hazards identification

## 2.1. Classification of the substance or mixture

|  |  |
| --- | --- |
| Flammable Aerosol, Category 1 | H222; |
| Skin Irritatant, Category 2 | H229 |
| Serious eye damage/eye irritation, Category 2 | H319 |
| Specific target organ toxicity — Single exposure, Category 3, | H336 |
| Hazardous to the Aquatic Environment, Category 2 | H411 |

### Adverse physicochemical, human health and environmental effects

Pressurised container: May burst if heated. Extremely flammable aerosol. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure. May cause respiratory irritation. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

## 2.2. Label elements

### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) : 



|  |  |  |
| --- | --- | --- |
| Signal word (CLP) | : | Danger |
| Hazardous ingredients | : | Hydrocarbons, C6, iso-alkanes, < 5% n-hexane; Hydrocarbons, C7, n-alkanes, cyclic; acetone |
| Hazard statements (CLP) | : | H222 - Extremely flammable aerosol.  H229 - Pressurised container: May burst if heated.  H315 - Causes skin irritation.  H319 - Causes serious eye irritation.  H336 – May cause drowsiness or dizziness  H411 – Toxic to aquatic life with long lasting effects. |
| Precautionary statements (CLP) | : | P101 - If medical advice is needed, have product container or label at hand.  P102 - Keep out of reach of children.  P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.  No smoking.  P211 - Do not spray on an open flame or other ignition source.  P251 - Do not pierce or burn, even after use.  P280 – Wear protective gloves, protective clothing, eye protection, face protection.  P308+P313 - IF exposed or concerned: Get medical advice/attention.  P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. |
| Extra phrases | : |  |
| **2.3. Other hazards** |  |  |

The product does not meet the PBT and vPvB classification criteria

# SECTION 3: Composition/information on ingredients

**3.1. Substances**

Not applicable

## 3.2. Mixtures

|  |  |  |
| --- | --- | --- |
| **Name** | **CAS Number** | **%** |
| Acetone | 67-64-1 | < 60 |
| Hydrocarbons, C7, n-akanes, isoalkanes, cyclic | 64742-49-0 | < 30 |
| Hybrocarbons, C6, iso-alkanes, < 5% n-hexane | 64742-49-0 | < 20 |
| Carbon Dioxide | 124-38-9 | < 5 |
| n-Hexane | 110-54-3 | < 0.9 |
| Cyclohexane | 110-82-7 | < 0.3 |

|  |  |  |
| --- | --- | --- |
| **SECTION 4: First aid measures** |  |  |
| **4.1. Description of first aid measures** |  |  |
| First-aid measures general | : | Call a physician immediately should serious or continuous disturbances occur. |
| First-aid measures after inhalation | : | Remove person to fresh air and keep comfortable for breathing. |
| First-aid measures after skin contact | : | Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention. |
| First-aid measures after eye contact | : | Thoroughly rinse with water. Remove contact lenses if easy to do. Take to physician. |
| First-aid measures after ingestion : Do not induce vomiting. Call a physician immediately. | | |
| **4.2. Most important symptoms and effects, both acute and delayed** | | |
| Symptoms/effects after inhalation | : Sore throat, cough, shortness of breath, headache | |
| Symptoms/effects after skin contact | : Irritation, redness, pain | |
| Symptoms/effects after ingestion | : Diarrhea, headache, abdominal cramps, sleepiness, vomiting | |
| Symptoms/effects after eye contact | : Redness, pain, blurred vision | |
| **4.3. Indication of any immediate medical attention and special treatment needed** | | |

Treat symptomatically.

# SECTION 5: Firefighting measures

**5.1. Extinguishing media**

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

## 5.2. Special hazards arising from the substance or mixture

Fire hazard : Extremely flammable aerosol.

Explosion hazard : Pressurized container: May burst if heated.

Hazardous decomposition products in case of fire : Toxic fumes may be released.

## 5.3. Advice for firefighters

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

**6.1.1. For non-emergency personnel**

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.

**6.1.2. For emergency responders**

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

## 6.2. Environmental precautions

Avoid release to the environment.

|  |  |  |
| --- | --- | --- |
| **6.3. Methods and material for containment and cleaning up** | | |
| For containment | : | Collect spillage. |
| Methods for cleaning up | : | Absorb spilled material with sand or earth. Scoop absorbed substance into closing containers. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling. Mechanically recover the product. |
| Other information | : | Dispose of materials or solid residues at an authorized site. |
| **6.4. Reference to other sections** |  |  |
| For further information refer to section 13. |  |  |
| **SECTION 7: Handling and storage** |  |  |
|  |  |  |
| **7.1. Precautions for safe handling** |  |  |
| Precautions for safe handling | : | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes. Wear personal protective equipment. |
| Hygiene measures | : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. | |
| **7.2. Conditions for safe storage, including any incompatibilities** | | |
| Storage conditions | : Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool. | |
| Incompatible products | : Heat sources. Ignition sources. Oxidizing agent. Strong acids. Strong bases. | |
| Packaging materials | : Aerosol. | |
| **7.3. Specific end use(s)** |  | |

No additional information available

# SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

**8.1.1 National occupational exposure and biological limit values**

|  |  |
| --- | --- |
| **acetone (67-64-1)** | |
| ACGIH (TWA) | 250 ppm |
| ACGIH (STEL) | 500 ppm |
| OSHA (TWA) | 1,000 ppm; 2,400 mg/m3 |
| NIOSH (TWA) | 250 ppm; 1 mg/m3 |
| **n-hexane (110-54-3)** | |
| ACGIH (TWA) | 50 ppm |
| NIOSH (TWA) | 50 ppm; 180 mg/m3 |
| OSHA (TWA) | 500 ppm; 1,800 mg/m3 |
| **cyclohexane (110-82-7)** | |
| ACGIH (TWA) | 100 ppm |
| NIOSH (TWA) | 300 ppm; 1,050 mg/m3 |
| **n-Hydrocarbons, C6, iso-alkanes, < 5% n-hexane (64742-49-0)** | |
| OSHA (TWA) | 500 ppm; 2,000 mg/m3 |
| NIOSH (TWA) | 5 mg/m3 |
| **n-Hydrocarbons, C7, n-alkanes, iso-alkanes, cyclic (64742-49-0)** | |
| OSHA (TWA) | 500 ppm; 2,000 mg/m3 |
| NIOSH (TWA) | 5 mg/m3 |
| **Carbon dioxide** | |
| OSHA (PEL) | 9,000 mg/m3 |
| NIOSH (TWA) | 5,000 ppm; 9,000 mg/m3 |
| ACGIH (TWA) | 5,000 ppm: 9,000 mg/m3 |

**8.1.2. Recommended monitoring procedures**

No additional information available

**8.1.3. Air contaminants formed**

No additional information available

## 8.2. Exposure controls

**8.2.1. Appropriate engineering controls**

**Appropriate engineering controls:**

Ensure good ventilation of the work station. If necessary, use an air-purifying face mask in case of respiratory hazards.

**8.2.2. Personal protection equipment**

**Personal protective equipment symbol(s):**



**8.2.2.1. Eye and face protection**

**Eye protection:**

Protective goggles

**8.2.2.2. Skin protection**

**Skin and body protection:**

Protective clothing

**Hand protection:**

Protective gloves against chemicals

**8.2.2.3. Respiratory protection**

**Respiratory protection:**

In case of insufficient ventilation, wear suitable respiratory equipment.

**8.2.2.4. Thermal hazards**

No additional information available

**8.2.3. Environmental exposure controls**

**Environmental exposure controls:** Avoid release to the environment.

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

|  |  |  |
| --- | --- | --- |
| **9.1. Information on basic physical and chemical properties** | | |
| Physical state | : | Liquid |
| Appearance | : | Aerosol. |
| Color | : | Colorless. |
| Odor | : | characteristic. |
| Odor threshold | : | No data available |
| pH | : | No data available |
| Relative evaporation rate (butylacetate=1) | : | 7 |
| Melting point | : | Not applicable |
| Freezing point | : | No data available |
| Boiling point | : | -57°C - 95°C |
| Flash point | : | -20°C |
| Auto-ignition temperature | : | 413°C |
| Decomposition temperature | : | No data available |
| Flammability (solid, gas) | : | Extremely flammable aerosol. |
| Lower Flammability Limit | : | 1.1% |
| Upper Flammability Limit | : | 13% |
| Vapour pressure |  | 19 Pa |
| Relative vapour density at 20 °C | : | No data available |
| Relative density | : | 0.75 (20°C) |
| Density | : | 981 kg/m³ (20°C) |
| Solubility | : | No data available |
| Partition coefficient n-octanol/water (Log Pow) | : | No data available |
| Viscosity, kinematic | : | 1 mm2/s |
| Viscosity, dynamic | : | 1 mPa.s |
| Explosive properties | : | Pressurised container: May burst if heated. |
| Oxidising properties | : | No data available |
| **9.2. Other information** |  |  |
| VOC content | : | < 412 g/L (42%) |
| **SECTION 10: Stability and reactivity** |  |  |
| **10.1. Reactivity** |  |  |

Extremely flammable aerosol. Pressurised container: May burst if heated.

**10.2. Chemical stability**

Stable under normal conditions. Avoid extremely high or low temperatures.

**10.3. Possibility of hazardous reactions**

No dangerous reactions known under normal conditions of use.

**10.4. Conditions to avoid**

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition. Do not expose to temperatures greater than 50°C.

### 10.5. Incompatible materials

Keep away from sources of ignition.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products are not expected.

**SECTION 11: Toxicological information**

**11.1**

**. Information on toxicological effects**

Acute toxicity (oral)

:

> 2,000 mg/kg

Acute toxicity (dermal) : > 2,000 mg/kg

|  |  |
| --- | --- |
| **acetone (67-64-1)** | |
| LD50 Oral (rat) | >5,000 mg/kg |
| LD50 Dermal (rabbit) | >5,000 mg/kg |
| LC50 Inhalation (rat, 4 h) | >50 mg/L |
| **n-hexane (110-54-3)** | |
| LD50 Oral (rat) | >5,000 mg/kg |
| LD50 Dermal (rabbit) | >5,000 mg/kg |
| LC50 Inhalation (rat, 4 h) | >50 mg/L |
| **cyclohexane (110-82-7)** | |
| LD50 Oral (rat) | >5,000 mg/kg |
| LD50 Dermal (rabbit) | >5,000 mg/kg |
| LC50 Inhalation (rat, 4 h) | >50 mg/L |
| **n-Hydrocarbons, C6, iso-alkanes, < 5% n-hexane (64742-49-0)** | |
| LD50 Oral (rat) | >5,000 mg/kg |
| LD50 Dermal (rabbit) | >5,000 mg/kg |
| LC50 Inhalation (rat, 4 h) | >50 mg/L |
| **n-Hydrocarbons, C7, n-alkanes, iso-alkanes, cyclic (64742-49-0)** | |
| LD50 Oral (rat) | >5,000 mg/kg |
| LD50 Dermal (rabbit) | >5,000 mg/kg |
| LC50 Inhalation (rat, 4 h) | >50 mg/L |
| **Carbon dioxide** | |
| LD50 Oral (rat) | >5,000 mg/kg |
| LD50 Dermal (rabbit) | >5,000 mg/kg |
| LC50 Inhalation (rat, 4 h) | >50 mg/L |
| **naphtha (petroleum), hydrotreated light (30 – 50°C) (64742-49-0)** | |
| STOT – single exposure | May cause drowsiness or dizziness. |
| **Cyclohexane (110-82-7)** | |
| STOT – single exposure | May cause drowsiness or dizziness. |
| **n-hexane (110-54-3)** | |
| STOT – single exposure | May cause drowsiness or dizziness. |
| STOT – repeated exposure | May cause damage to organs (nervous system) through prolonged or repeated exposure (if inhaled). |
| **naphtha (petroleum), hydrotreated light (30 – 50°C) (64742-49-0)** | |
| LOAEC (inhalation, rat, male, vapor, 90 days) | 16.6 mg/L |
| NOAEC (inhalation, rat, male, vapor, 90 days) | 3.3 mg/L |

|  |  |
| --- | --- |
| **11.2. Information on other hazards** |  |
| No additional information available |  |
| **SECTION 12: Ecological information** |  |
| **12.1. Toxicity** |  |

Ecology - general : Toxic to aquatic life with long lasting effects.

Hazardous to the aquatic environment, short–term : Not classified

(acute)

Hazardous to the aquatic environment, long–term : Toxic to aquatic life with long lasting effects.

(chronic)

Not rapidly degradable

|  |  |  |
| --- | --- | --- |
| **naphtha (petroleum), hydrotreated light (30 – 50°C) (64742-49-0)** | | |
| LOEC (chronic) | 0.32 mg/l Test organisms (species): Daphnia magna Duration: '21 d' | |
| NOEC (chronic) | 0.17 mg/l Test organisms (species): Daphnia magna Duration: '21 d' | |
| **cyclohexane (110-82-7)** |  | |
| LC50 - Fish [1] | 4.53 mg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value, Measured concentration) | |
| EC50 - Crustacea [1] | 0.9 mg/l (Equivalent or similar to OECD 202, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect) | |
| EC50 - Other aquatic organisms [1] | 2.2 mg/l water flea | |
| EC50 - Other aquatic organisms [2] | 1.8 mg/l | |
| EC50 72h - Algae [1] | 9.317 mg/l (Equivalent or similar to OECD 201, Pseudokirchneriella subcapitata,  Experimental value, Growth rate) | |
| **12.2. Persistence and degradability** |  |
| **cyclohexane (110-82-7)** |  |
| Persistence and degradability | Readily biodegradable. |
| **n-hexane (110-54-3)** |  | |
| Persistence and degradability | Readily biodegradable. | |
| ThOD | 3,52 g O₂/g substance | |
| **12.3. Bioaccumulative potential** |  | |
| **cyclohexane (110-82-7)** |  | |
| BCF - Fish [1] | 167 l/kg (Pimephales promelas, QSAR, Fresh weight) | |
| Partition coefficient n-octanol/water (Log Pow) | 3,44 (Experimental value, 25 °C) | |
| Bioaccumulative potential | Low potential for bioaccumulation (BCF < 500). | |
| **n-hexane (110-54-3)** |  | |
| BCF - Fish [1] | 501,187 (Pimephales promelas, Calculated value) | |
| Partition coefficient n-octanol/water (Log Pow) | 4 (Experimental value, Equivalent or similar to OECD 107, 20 °C) | |
| Bioaccumulative potential | Potentially bio accumulable. | |

## 12.4. Mobility in soil

|  |  |
| --- | --- |
| **cyclohexane (110-82-7)** |  |
| Organic Carbon Normalized Adsorption Coefficient  (Log Koc) | 2.89 (log Koc, Calculated value) |
| Ecology - soil | Low potential for adsorption in soil. |
| **n-hexane (110-54-3)** |  |
| Surface tension | 17.89 mN/m (25 °C, 1 g/l) |
| Organic Carbon Normalized Adsorption Coefficient  (Log Koc) | 3.34 (log Koc, QSAR) |
| **n-hexane (110-54-3)** |  |
| Ecology - soil | Low potential for mobility in soil. |

## 12.5. Results of PBT and vPvB assessment

|  |  |  |
| --- | --- | --- |
| **Soudal White Grease** | | |
| The product does not meet the PBT and vPvB classification criteria | | |
| **12.6. Endocrine disrupting properties** | |  | |
| No additional information available | |  | |
| **12.7. Other adverse effects** | |  | |
| No additional information available | |  | |
| **SECTION 13: Disposal considerations** | |  |  |
| **13.1. Waste treatment methods** | |  |  |
| Waste treatment methods: We make no guarantee or warranty of any kind that the use or disposal of this product complies with all local, state, or federal laws. It is also the obligation of each user of the product mentioned herein to determine and comply with requirements and applicable statutes. | | | |
| **SECTION 14: Transport information** | |  |  |

UN Number UN1950

UN Proper Shipping Name Aerorols, flammable

DOT Classification 2.1

Packing Group

Marine Pollutant n-Hexane, Cyclohexane,

|  |
| --- |
| **SECTION 15: Regulatory information** |
| **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture** |

**15.1.1. US Federal Regulations**

### TSCA

All components of this product follow the inventory listing requirements of the US Toxic Substances and Control Act (TSCA) Chemical Substances Inventory.

SARA 311 and 312: Yes

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

#### 15.1.2. US State Regulations

**Massachusetts Right to Know**

n-Hexane 110-54-3

Carbon Dioxide 124-38-9

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclic 64742-49-0

Hydrocarbons, C6, isoalkanes, < 5% n-hexane 64742-49-0

Acetone 67-64-1

Cyclohexane 110-82-7

**Pennsylvania Right to Know**

n-Hexane 110-54-3

Carbon Dioxide 124-38-9

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclic 64742-49-0

Hydrocarbons, C6, isoalkanes, < 5% n-hexane 64742-49-0

Acetone 67-64-1

Cyclohexane 110-82-7

**New Jersey Worker and Community Right to Know**

Carbon Dioxide 124-38-9

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclic 64742-49-0

Hydrocarbons, C6, isoalkanes, < 5% n-hexane 64742-49-0

Acetone 67-64-1

Cyclohexane 110-82-7

**Rhode Island**

Carbon Dioxide 124-38-9

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclic 64742-49-0

Hydrocarbons, C6, isoalkanes, < 5% n-hexane 64742-49-0

Acetone 67-64-1

Cyclohexane 110-82-7

**California Candidate List Safter Consumer Products Regulations (Cal. Code Regs, Title 22, 69502.3, Subd. (a))**

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclic 64742-49-0

Hydrocarbons, C6, isoalkanes, < 5% n-hexane 64742-49-0

Acetone 67-64-1

Cyclohexane 110-82-7

**California Prop 65:**

WARNING: This product can expose you to chemicals including n-Hexane, which is known to the State of California to cause birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov

**Consumer Products:** This product is classified as a brake cleaner. This product is not compliant with VOC regulations and prohibited for same in the following areas: California, Colorado, Connecticut, Delaware, Maryland, Michigan, New Hampshire, New York, Rhode Island, and these counties in Utah: Box Elder, Cache, Davis, Salt Lake, Tooele, Utah, and Weber. This product is compliant in all other states.

**15.2. Chemical safety assessment**

No chemical safety assessment has been carried out.

# SECTION 16: Other information

Disclaimer: The data contained herein is based upon information that Soudal believes to be reliable. Users of this product have the responsibility to determine the suitability of use and to adopt all necessary precautions to ensure the safety and protection of property and persons involved in said use. All statements or suggestions are made without warranty, expressed or implied, regarding the accuracy of the information, the hazards connected with the use of the material of the results to be obtained from the use thereof.