

Dynatex Brake Cleaner VOC Compliant

Safety Data Sheet



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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Mixture
Trade name : Dynatex Brake Cleaner VOC Compliant
Reference number : 166643
Vaporizer : 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 : Brake Cleaner

1.2.2. Uses advised against

No additional information available

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

1.4. Emergency telephone number

Emergency number Chem Trec (800) 424-9300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Skin Sensitizer, Category 1	H317
Skin Irritant, Category 2	H229
Serious eye damage/eye irritation, Category 2	H319
Specific target organ toxicity — Single exposure, Category 3,	H336
Hazardous to the Aquatic	H411
Hazardous to the Aquatic Environment, Category 2	H411

2.2. Label elements



Hazard pictograms (CLP) :

Signal word (CLP) : Warning

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Hazardous ingredients	: Tetrachloroethylene (perchloroethylene)
Hazard statements (CLP)	: H229 - Pressurised container: May burst if heated. H315 - Causes skin irritation. H317 – May cause an allergic skin reaction. H319 - Causes serious eye irritation. H336 – May cause drowsiness or dizziness H351 – Suspected of causing cancer. 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	%
Tetrachloroethylene (perchloroethylene)	127-18-4	≤100
Carbon Dioxide	124-38-9	≤ 6

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. If irritation occurs: Get medical attention.
First-aid measures after skin contact	: Remove contaminated clothing, rinse skin with plenty of water and immediately transport to hospital.
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

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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

Special hazards : None
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. Do not walk into or touch spilled substance. Remove any contaminated clothing and used contaminated protective equipment and dispose of it safely.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. 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. Do not walk into or touch spilled substance. Remove any contaminated clothing and used contaminated protective equipment and dispose of it safely. F

6.2. Environmental precautions

Avoid release to the environment. Do not allow to flow into sewers or open water.

6.3. Methods and material for containment and cleaning up

For containment : Contain released substance, store in a suitable container.
Methods for cleaning up : If possible, remove by using absorbent materials.
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

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7.1. Precautions for safe handling

Precautions for safe handling

Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/mist/vapors/spray. Avoid contact with skin and eyes. Wear personal protective equipment. Handle with care to avoid spillage.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions

: Keep in a sealed container in a closed, frost-free, ventilated room.

Incompatible products

: Strong acids, strong oxidizing agents, strong bases, Zinc metal

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

Tetrachloroethylene (127-18-4)

ACGIH (TWA)

25 ppm

ACGIH (STEL)

100 ppm

OSHA (TWA)

100 ppm

NIOSH (IDLH)

150 ppm

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

The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Adequate ventilation should be provided so that exposure limits are not exceeded. For further information, check section 7.

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):

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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.

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)	: 2.8
Melting point	: -22°C
Freezing point	: No data available
Boiling point	: -57°C - -121°C
Flash point	: -20°C
Auto-ignition temperature	: No data available
Decomposition temperature	: >150°C
Flammability (solid, gas)	: Not applicable
Lower Flammability Limit	: No data available
Upper Flammability Limit	: No data available
Vapor pressure	148 Pa
Relative vapor density at 20 °C	: No data available
Relative density	: 0.75 (20°C)
Density	: 1600 kg/m³ (20°C)
Solubility	: Insoluble in water
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: 1 mm²/s

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Viscosity, dynamic	: 1 mPa.s
Explosive properties	: Pressurised container: May burst if heated.
Oxidising properties	: No data available

9.2. Other information

VOC content	: 0 mg/L (0%)
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SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions.

10.2. Chemical stability

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

Protect from sunlight and do not expose to temperatures exceeding +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

Tetrachloroethylene (127-18-4)

LD50 Oral (rat)	2,000 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

Tetrachloroethylene (127-18-4)

STOT – single exposure	May cause drowsiness or dizziness.
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11.2. Information on other hazards

No additional information available

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SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute) : Not classified
Hazardous to the aquatic environment, long-term (chronic) : Toxic to aquatic life with long lasting effects.
Not rapidly degradable

Tetrachloroethylene (127-18-4)

LC50	12.4 – 14.4 mg/L (96 h, flow through, Pimphales promelas)
LC50	8.6 – 13.5 mg/L (96 h, static test, Piphales promelas)
LC50	11.0 – 15.0 mg/L (96 h, static test, Lepomis macrochirus)
LC50	4.73 – 5.27 (96 h, static test, Oncorhynchus mykiss)
EC50	6.1 – 9.0 mg/L (48 h, static test, Daphnia magna)

12.2. Persistence and degradability

Tetrachloroethylene (127-18-4)

Persistence and degradability	Insoluble in water. Persistence is unlikely based on information available.
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12.3. Bioaccumulative potential

Tetrachloroethylene (127-18-4)

Partition coefficient n-octanol/water (Log Pow)	2.88
Bioaccumulative potential	No data available.

12.4. Mobility in soil

Tetrachloroethylene (127-18-4)

Is not likely mobile in the environment due its low water solubility. Will likely be mobile in the environment due to its volatility.

12.5. Results of PBT and vPvB assessment

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.

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SECTION 14: Transport information

UN Number	UN1950
UN Proper Shipping Name	Aerosols, poison, Limited Quantity
DOT Classification	2.2
Subsidiary Risk	6.1 (PGIII)
Labels	2.2, 6.1
Packing Group	Not applicable
Special Precaution for user	Forbidden from transportation by air
Packaging exceptions	306
Packaging Non-bulk	None
Packaging bulk	None

Marine Pollutant yes, but exempt from regulations

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

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29CFR 1910.1200.

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: Tetrachloroethylene (127-18-4)

15.1.2. US State Regulations

Massachusetts Right to Know

Tetrachloroethylene	127-18-4
Carbon Dioxide	124-38-9

Pennsylvania Right to Know

Tetrachloroethylene	127-18-4
Carbon Dioxide	124-38-9

New Jersey Worker and Community Right to Know

Tetrachloroethylene	127-18-4
Carbon Dioxide	124-38-9

Rhode Island

Tetrachloroethylene	127-18-4
Carbon Dioxide	124-38-9

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

Tetrachloroethylene	127-18-4
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California Prop 65:

WARNING: This product can expose you to chemicals including Tetrachloroethylene, 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 regulated as a brake cleaner. This product is not compliant to be sold for use in California and New Jersey. The 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.