

Safety Data Sheet

10% VOC Brake and Parts Cleaner

Version 4.0

Revision Date 01/23/2015

Print Date 01/25/2015

SECTION 1. IDENTIFICATION

Commercial Product Name : 10% VOC Brake and Parts Cleaner
Product number : 089099110
SDS-Identcode : 10037548
Product Use Description : Cleaning agent
Company : Wurth USA Inc.
93 Grant St.
07446 Ramsey, NJ
USA
Telephone : +1 201 825 27 10
Telefax : +1 201 825 16 43
Responsible/issuing person : prodsafe@wuerth.com
Emergency telephone number : +1 800 255 3924

SECTION 2. HAZARDS IDENTIFICATION**GHS Classification**

Flammable aerosols : Category 1
Gases under pressure : Compressed gas
Skin irritation : Category 2
Eye irritation : Category 2A
Reproductive toxicity : Category 2
Specific target organ toxicity - single exposure : Category 3 (Central nervous system)
Specific target organ toxicity - repeated exposure : Category 2 (Central nervous system)

GHS Label element

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Hazard pictograms



Signal word

: Danger

Hazard statements

: H222 Extremely flammable aerosol.
H280 Contains gas under pressure; may explode if heated.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H361 Suspected of damaging fertility or the unborn child.
H373 May cause damage to organs (Central nervous system) through prolonged or repeated exposure.

Precautionary statements

: **Prevention:**
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Pressurized container: Do not pierce or burn, even after use.
P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
P264 Wash skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear eye protection/ face protection.
P280 Wear protective gloves.
P281 Use personal protective equipment as required.
Response:
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308 + P313 IF exposed or concerned: Get medical advice/ attention.

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

P337 + P313 If eye irritation persists: Get medical advice/attention.

P362 Take off contaminated clothing and wash before reuse.

Storage:

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

P405 Store locked up.

P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.

Disposal:

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

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No.	Weight percent- Weight percent
acetone	67-64-1	>= 90 - <= 100
toluene	108-88-3	>= 10 - < 20
Carbon dioxide	124-38-9	>= 5 - < 10

SECTION 4. FIRST AID MEASURES

- General advice : If you feel unwell, seek medical advice (show the label where possible). Take off contaminated clothing and shoes immediately. Never give anything by mouth to an unconscious person.
- Inhalation : If breathed in, move person into fresh air. In the case of inhalation of aerosol/mist consult a physician if necessary.
- Skin contact : Immediately flush skin with large amounts of water.
- Eye contact : If easy to do, remove contact lens, if worn. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Ingestion : If swallowed, DO NOT induce vomiting. If symptoms persist, call a physician. If a person vomits when lying on his back, place him in the recovery position.

Notes to physician

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Treatment : Treat symptomatically and supportively.

SECTION 5. FIREFIGHTING MEASURES

- Form : Aerosol containing a compressed gas
- Suitable extinguishing media : Alcohol-resistant foam
Water mist
Carbon dioxide (CO₂)
Dry chemical
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during firefighting : Do not use a solid water stream as it may scatter and spread fire.
Exposure to decomposition products may be a hazard to health.
Hazardous decomposition products may be formed under fire conditions (see section 10).
- Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.
Use personal protective equipment.
- Further information : Standard procedure for chemical fires.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
In the event of fire and/or explosion do not breathe fumes.
Use water spray to cool unopened containers.
If the temperature rises there is danger of the vessels bursting due to the high vapor pressure.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Refer to protective measures listed in sections 7 and 8.

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Ensure adequate ventilation, especially in confined areas.
Avoid inhalation of vapour or mist.

- Environmental precautions : Prevent further leakage or spillage if safe to do so.
- Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.
Clean contaminated surface thoroughly.

CERCLA Hazardous substances and corresponding RQs:

67-64-1	5,000 lbs <i>final RQ</i>
108-88-3	1,000 lbs <i>final RQ</i>

SECTION 7. HANDLING AND STORAGE**Handling**

- Handling : For personal protection see section 8.
Do not breathe vapours or spray mist.
Avoid contact with skin and eyes.
Use only in well-ventilated areas.
Limit the stocks at work place.
Do not spray on a naked flame or any incandescent material.

- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Dust explosion class : Not applicable

Storage

- Requirements for storage areas and containers : BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50 °C. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects.
Keep containers tightly closed in a dry, cool and well-ventilated place.
Please observe the storage instructions for aerosols!

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				54,000 mg/m3	
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- Engineering measures : Provide adequate ventilation.
- Eye protection : In case of splash hazard, please wear protective goggles.
- Hand protection
Glove material : PVA
Viton (R)
- Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work. For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer.
- Skin and body protection : Choose body protection according to the amount and concentration of the dangerous substance at the work place.
- Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.
- Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.
General industrial hygiene practice.
Do not inhale aerosol.
Avoid contact with skin, eyes and clothing.
When using do not eat, drink or smoke.
Wash hands before breaks and at the end of workday.
Wash contaminated clothing before re-use.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Form : Aerosol containing a compressed gas
Physical state : aerosol
- Colour : clear, colourless
Odour : No information available.
Odour Threshold : No data available
Flash point : No data available

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Ignition temperature	: No data available
Thermal decomposition	: No data available
Lower explosion limit	: No data available
Upper explosion limit	: No data available
Flammability	: Extremely flammable aerosol.
Molecular weight	: No data available
pH	: Not applicable
Boiling point/boiling range	: No data available
Vapour pressure	: No data available
Relative vapour density	: >1 (Air = 1.0)
Evaporation rate	: No data available
Density	: 0.80 g/cm ³ at 15 °C (59 °F)
Relative density	: No data available
Bulk density	: No data available
Water solubility	: completely miscible
Partition coefficient: n-octanol/water	: No data available
Solubility in other solvents	: No data available
Viscosity, dynamic	: No data available
Viscosity, kinematic	: < 14 mm ² /s at 40 °C (104 °F)
Volatile organic compounds (VOC) content	: 10 %

SECTION 10. STABILITY AND REACTIVITY

Materials to avoid	: Strong oxidizing agents hydrogen peroxide Nitric acid
Hazardous decomposition products	: Carbon dioxide (CO ₂) Carbon monoxide Organic Substances

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Build-up of dangerous/toxic fumes possible in cases of fire/high temperature.

Hazardous reactions : Note: No decomposition if stored and applied as directed.

If the temperature rises there is danger of the vessels bursting due to the high vapor pressure.

SECTION 11. TOXICOLOGICAL INFORMATION

Carcinogenicity : No data is available on the product itself.
Reproductive toxicity : No data is available on the product itself.
Teratogenicity : No data is available on the product itself.

Component:

acetone

67-64-1

Acute oral toxicity: LD50 Rat
Dose: 5,800 mg/kg

Acute dermal toxicity: LD50 Rabbit
Dose: > 7,426 mg/kg

Acute inhalation toxicity: LC50 Rat
Dose: 76 mg/l/Exposure time: 4 h

Skin irritation: Result: Repeated exposure may cause skin dryness or cracking.

Skin irritation: Guinea pig
Result: No skin irritation

Eye irritation: Rabbit
Result: Irritation to eyes, reversing after 7 to 21 days

Carcinogenicity: Animal testing did not show any carcinogenic effects.

Mutagenicity: Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

Reproductive toxicity: No evidence of adverse effects on sexual function and fertility, or on development, based on animal experiments.

toluene

108-88-3

Acute oral toxicity: LD50 Rat
Dose: 5,580 mg/kg

Acute dermal toxicity: LD50 Rabbit
Dose: ca. 12,267 mg/kg

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Acute inhalation toxicity: LC50 Rat
Dose: >= 28.1 mg/l/Exposure time: 4 h
Method: OECD Test Guideline 403

Skin irritation: Rabbit
Result: irritating

Eye irritation: Rabbit
Result: No eye irritation
Method: OECD Test Guideline 405

Reproductive toxicity: Suspected human reproductive toxicant, Suspected of damaging the unborn child.

Carbon dioxide

124-38-9

Acute inhalation toxicity: LC50 Rat
Dose: 58750 ppm
Exposure time: 4 h

Carcinogenicity:**ACGIH**

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

OSHA

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP

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

IARC

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

SECTION 12. ECOLOGICAL INFORMATION

Volatile organic compounds (VOC) content : 10 %

Additional ecological information : The product should not be allowed to enter drains, water courses or the soil.

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Component:

acetone

67-64-1

Toxicity to fish:

LC50

Species: Pimephales promelas (fathead minnow)

Dose: 6,210 - 8,120 mg/l

Exposure time: 96 h

Acute and prolonged toxicity for aquatic invertebrates:

EC50

Species: Daphnia pulex (Water flea)

Dose: 8,800 mg/l

Exposure time: 48 h

Toxicity to algae:

NOEC

Species: Microcystis aeruginosa

Dose: 530 mg/l

Exposure time: 8 d

Toxicity to bacteria:

Respiration inhibition of activated sludge EC50

Species:

Dose: 61.15 mg/l

Exposure time: 30 min

Method: ISO 8192

toluene

108-88-3

Toxicity to fish:

LC50

Species: Oncorhynchus kisutch (coho salmon)

Dose: 5.5 mg/l

Exposure time: 96 h

Acute and prolonged toxicity for aquatic invertebrates:

EC50

Species: Ceriodaphnia dubia (water flea)

Dose: 3.78 mg/l

Exposure time: 48 h

Toxicity to algae:

EC50

Species: Chlorella vulgaris (Fresh water algae)

Dose: 134 mg/l

Exposure time: 3 h

Toxicity to bacteria:

EC50

Species: Bacteria

Dose: 84 mg/l

Exposure time: 24 h

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SECTION 13. DISPOSAL CONSIDERATIONS

Adequate disposal : In accordance with local and national regulations.

SECTION 14. TRANSPORT INFORMATION**DOT 49 CFR**

ID No : UN 1950
Proper shipping name : Aerosols
Class : 2.1
Labels : 2.1
Emergency Response : 126
Guidebook Number

TDGR

ID No : UN 1950
Proper shipping name : AEROSOLS
Class : 2.1
Labels : 2.1

ICAO/IATA-DGR

ID No : UN 1950
Proper shipping name : Aerosols, flammable
Class : 2.1
ICAO-Labels : 2.1
Packing instruction (cargo aircraft) : 203
Packing instruction (passenger aircraft) : 203
Packing instruction (passenger aircraft) : Y203
Environmentally hazardous : no

IMDG-Code

ID No : UN 1950
Description of the goods : AEROSOLS

Class : 2.1
IMDG-Labels : 2.1
EmS Number 1 : F-D

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EmS Number 2 : S-U

Marine pollutant : no

SECTION 15. REGULATORY INFORMATION

SARA 311/312 Hazards : Sudden Release of Pressure Hazard
Fire Hazard
Acute Health Hazard
Chronic Health Hazard

CERCLA Reportable Quantity : 5,000 lbs

EPCRA_313 US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required

<u>Components</u>	<u>CAS-No.</u>
toluene	108-88-3

EPCRA_302 US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A)
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

PENN RTK US. Pennsylvania Worker and Community Right-to-Know Law (34 Pa. Code Chap. 301-323)

<u>Components</u>	<u>CAS-No.</u>
acetone	67-64-1
toluene	108-88-3
Carbon dioxide	124-38-9

MASS RTK US. Massachusetts Commonwealth's Right-to-Know Law (Appendix A to 105 Code of Massachusetts Regulations Section 670.000)

<u>Components</u>	<u>CAS-No.</u>
acetone	67-64-1
toluene	108-88-3
Carbon dioxide	124-38-9

NJ RTK US. New Jersey Worker and Community Right-to-Know Act (New Jersey Statute Annotated Section 34:5A-5)

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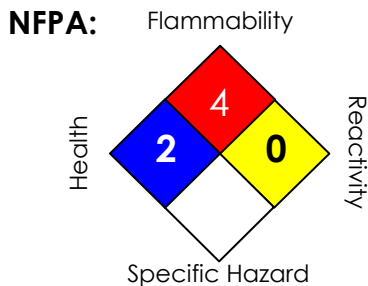
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Components	CAS-No.
acetone	67-64-1
toluene	108-88-3
Carbon dioxide	124-38-9

California Prop. 65

: WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

SECTION 16. OTHER INFORMATION
Further information

HMIS III:

HEALTH	3*
FLAMMABILITY	4
PHYSICAL	2

 0 = Insignificant, 1 =Slight,
 2 =Moderate, 3 =High, 4 = Extreme

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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