



Well-Worth Products, Inc.
180 Dutton St.
Buffalo, NY, 14211
USA

PRODUCT: Well-Worth Brake Cleaner - 20 oz.

CODE: 1039

Section 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Item Numbers..... 1039
Product Identity..... Brake Away- 20 oz.
Manufactured for..... Well-Worth Products, Inc.
180 Dutton Ave.
Buffalo, NY
USA 14211
wellworthproducts.com
Tel: 800-890-7935
Fax: 716-597-0217
24 hour emergency telephone number..... CHEM TREC: 800-424-9300.
Recommended Use..... Brake cleaner.
Consumer Commodity..... Yes.

Section 02: HAZARDS IDENTIFICATION



Signal Word..... WARNING.
Hazard Statement..... Causes skin irritation. May cause an allergic skin reaction. May cause drowsiness or dizziness. Contains gas under pressure; may explode if heated. Pressurized container: may burst if heated. Toxic to aquatic life with long lasting effects. Suspected of causing cancer.
Precautionary Statements:
Prevention..... Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid release to the environment . Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required .
Response..... IF INHALED: Remove person to fresh air and keep comfortable for breathing . IF ON SKIN: Wash with plenty of soap and water . If exposed or concerned: Get medical advice/attention.
Storage..... Protect from sunlight. Do not expose to temperatures exceeding 50C /122 F . Store locked up .
Disposal..... Dispose of contents/ container in accordance with local/regional/national/international regulations.

Section 03: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS #	Wt. %
Perchloroethylene	127-18-4	60- 100

Section 04: FIRST AID MEASURES

Eye Contact..... Check for and remove contact lenses. Immediately flush eyes with water for a minimum of 15 minutes keeping eyelids open. Consult a doctor if any irritation occurs.
Skin Contact..... Immediately flush the contaminated skin with soap and water. If this chemical penetrates clothing, immediately remove the clothing and flush the skin with water. If irritation persists after washing, get medical attention .
Ingestion..... Do not induce vomiting . If swallowed, get medical attention immediately.
Inhalation..... Move victim to fresh air. If breathing has stopped, give artificial respiration. If heartbeat absent, give external cardiac compression. Monitor breathing and pulse. If symptoms persist, call a physician.
Additional Information..... Note to the doctor; treat symptomatically.

Section 05: FIRE FIGHTING MEASURES

Flammability Class..... Non-combustible. Does not burn.
Conditions..... Excessive heat, sparks and open flame.
Fire and Explosion Hazards..... May decompose on contact with flames or extremely hot metal surfaces to produce toxic and corrosive products. Thermal decomposition products are toxic and may include carbonyl halides, Hydrofluoric Acid and oxides of carbon.
Extinguishing Media..... Wear NIOSH approved self-contained breathing apparatus or equivalent and full protective gear. Use water spray to cool fire-exposed containers in order to prevent pressure build up.

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Section 05: FIRE FIGHTING MEASURES

Sensitivity to Mechanical Impact..... Not expected to be sensitive.
Sensitivity to Static Discharge..... Not expected to be sensitive.

Section 06: ACCIDENTAL RELEASE MEASURES

Personal Precautions..... 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 spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).
Emergency Procedures..... Ensure that all sources of ignition are eliminated near the spilled material. Wipe up with a damp cloth. Rinse the cloth thoroughly and allow to dry before laundering.
Environmental Precautions..... Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.
Methods and Materials used for Containment..... Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (see section 13).

Section 07: HANDLING AND STORAGE

Handling..... Do not breathe vapour or mist. Avoid contact with skin and eyes. Smoking, eating and drinking should be prohibited in the application area. Keep away from heat, sparks, and open flames. Do not place near sources of heat.
Storage..... Contents under pressure. The pressure in sealed containers can increase under the influence of heat. Keep container tightly closed in a dry, cool and well-ventilated place. Do not store in temperatures above 120°F (50°C). Store away from incompatible materials. Do not puncture or incinerate. KEEP OUT OF REACH OF CHILDREN.
Incompatibilities Segregate storage away from materials indicated in section 10.

Section 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits

Ingredients	TWA	ACGIH TLV		OSHA PEL	REL	NIOSH
		STEL	PEL			
Perchloroethylene	25 ppm	100 ppm	100 ppm	Not available		Not available
Eye/Type.....		Safety glasses with side-shields.				
Skin/Type.....		Normally, no hand protection is required; however, prolong or repeated contact with skin use chemical resistant gloves conforming to appropriate regulations. Observe the instructions regarding permeability and breakthrough time that are provided by the supplier of the gloves.				
Respiratory/Type.....		Avoid breathing dust/fume/gas/mist/vapors/spray. If permissible levels are exceeded use NIOSH mechanical filter/organic vapor cartridge or an air-supplier.				
Engineering Controls.....		Good general ventilation should be used. Ventilation rates should be matched to conditions. Use local exhaust ventilation to maintain airborne levels below the Threshold Limit Value.				

Section 09: PHYSICAL AND CHEMICAL PROPERTIES

Physical State..... Aerosol spray mist.
Physical Appearance..... Clear mist.
Odor..... Ether odor.
Odor Threshold (ppm)..... 50 ppm.
Specific Gravity (Liquid)..... 1.623.
Specific Gravity (Aerosol)..... Not available.
Aerosol Vapour Pressure (psig, 21 deg. C)... Not applicable.
Vapour Density (Air=1)..... > 1.
Evaporation Rate (n-Butyl Acetate = 1)..... Very fast.
pH..... 6.0 - 8.5.
VOC Content..... 95-100 % wt.
Boiling Point liquid (deg. C)..... 121.3 °C (250.3 °F).
Melting/Freezing Point (° C)..... -19°C (-2°F).
Solubility in water..... Immiscible.
Aerosol Flame Projection..... Not applicable.
Flashback..... None.
Flash Point (° C), Method..... None.
Auto Ignition Temperature (Propellant), ° C.. Not applicable.
Lower Flammable Limit (% Vol)..... Not applicable.
Upper Flammable Limit (% Vol)..... Not applicable.
Coefficient of Water/Oil Distribution..... 3.4.
Viscosity..... Not available.

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Section 10: STABILITY AND REACTIVITY

Reactivity Conditions..... Product not reactive under normal conditions of use.
 Stability..... Stable under the recommended storage and handling conditions.
 Hazardous Polymerization..... Will not occur.
 Conditions to Avoid..... Avoid sources of heat and flame, and electrostatic charge.
 Incompatibility..... Strong oxidizing agents.
 Hazardous Products of Decomposition..... Carbon oxides and formaldehyde. May form carbon dioxide and carbon monoxide, various hydrocarbons.

Section 11: TOXICOLOGICAL INFORMATION

Route of Exposure..... Skin contact, Eye contact, Inhalation and Ingestion.
 Effects of Acute Exposure..... High vapor/aerosol concentrations may be irritating to eyes. Prolonged or repeated contact with skin may cause redness, itching, irritation and eczema/chapping. In high concentrations, vapors and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Ingestion may result in vomiting.
 Effects of Chronic Exposure..... Can cause liver, kidney or central nervous system damage after repeated or prolonged exposures. Suspected cancer risk from animal studies.
 Carcinogenicity of Material..... ACGIH: No data is available . IARC: Group 2A: Probably carcinogenic to humans. 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: Reasonably anticipated to be a human carcinogen .
 Reproductive Effects..... No information is available, and no adverse effects are expected.
 Teratogenicity..... No information is available, and no adverse effects are expected.
 Mutagenicity..... No information is available, and no adverse effects are expected.
 Toxicological Data

Ingredients	LC50	LD50
Perchloroethylene	4000 ppm (4hr, rat)	2629 mg/kg (4hr, oral, rat); 2800 mg/kg(4h, dermal, mouse)

Section 12: ECOLOGICAL INFORMATION

Ecotoxicological Information..... Acute Fish Toxicity (PERCHLOROETHYLENE): LC50/96 hours/ Sheepshead Minnow - 9.8 mg/L. Acute Fish Toxicity (PERCHLOROETHYLENE): LC50/96 hours/ Bluegill - 13 mg/L. Toxicity to Daphnia (PERCHLOROETHYLENE): EC50/ 48 hours/ Water flea - 7.5 mg/L.
 Persistence and degradability No data available .
 Bioaccumulation Potential..... Bluegill - 21 days / Bioconcentration factor (BCF): 49 .
 Other Adverse Effects..... Can be considered an environmental hazard through improper use or through improper disposal.

Section 13: DISPOSAL CONSIDERATIONS

Appropriate Disposal Methods..... Dispose in accordance with local, provincial and federal regulations.

Section 14: TRANSPORT INFORMATION

TDG (Canada- Road)..... AEROSOLS, Class 2.2, UN1950.
 DOT (US-Road)..... AEROSOLS, Class 2.2, UN1950, LTD QTY, Consumer Commodity ORM-D.
 IMDG (International- Marine)..... AEROSOLS, Class 2.2, UN1950.
 IATA (International- Air)..... AEROSOLS, Class 2.2, UN1950, LTD QTY .

Section 15: REGULATORY INFORMATION

Canada..... WHMIS Classification. A: Compressed gas. D2B: Material causing other toxic Materials.
 USA..... Environmental Protection Act: Constituents of this product are included on the TSCA inventory. OSHA (29CFR 1910.1200).

Section 16: OTHER INFORMATION

HMIS..... Health: 2 Fire: 0 Reactivity: 0 PPE: B.
 NFPA..... Health: 2 Fire: 0 Reactivity: 0 PPE: B.
 Disclaimer..... The information contained herein is based on data considered accurate. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. The SDS provider assumes no responsibility for personal injury or property damage to vendees or users or third parties, caused by the material. Such vendees or users assume all risks with the use of the material. This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all the information required by the CPR.

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Section 16: OTHER INFORMATION

Abbreviations..... ACGIH: American Conference of Governmental Industrial Hygienists; CAS: Chemical Abstract Service; NIOSH: National Institute for Occupational Safety and Health, OSHA: Occupational Safety and Health Administration- USA; TSCA: Toxic Substances Control Act 1976-USA; PEL: Permissible Exposure Limit; REL: Recommended Exposure Limit; TLV: Threshold Limit Value; VOC: Volatile Organic Content; WHIMIS: Workplace Hazardous Materials Information System.

Prepared by Regulatory Affairs

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