



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

PRODUCT: Brake Buddy VOC - 20 OZ., 24 OZ.

CODE: 1076, 1077

Section 01: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Item Numbers..... 1076
Product Identity..... Brake Buddy VOC - 20 oz., 24 oz.
Supplier..... 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.
Chemical Family..... Mixture.

Section 02: HAZARDS IDENTIFICATION



Hazard Classification:
Physical Hazards..... Flammable Aerosols - Category 1. Gases Under Pressure - Compressed gas.
Health Hazards..... Specific Target Organ Toxicity, Single Exposure - Category 3. Specific Target Organ Toxicity, Repeated Exposure - Category 2. Eye Damage/Irritation - Category 2A. Skin Sensitization - Category 1. Toxic to Reproduction - Category 2. Aspiration Hazard - Category 1.
Environmental Hazards..... Acute Aquatic Hazard - Category 1.
Label Elements:
Signal Word..... DANGER.
Hazard Statement..... Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Causes serious eye irritation. May cause an allergic skin reaction. May cause drowsiness or dizziness. Suspected of damaging fertility or the unborn child. May cause damage to the nervous system through prolonged or repeated exposure. May be fatal if swallowed and enters airways. Very toxic to aquatic life.
Precautionary Statements:
Prevention..... Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. 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. Wash thoroughly after handling. Do not eat, drink, or smoke when using this product. Avoid breathing dust/fume/gas/mist/vapours/spray. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves. Use only outdoors or in a well-ventilated area. Avoid release to the environment.
Response..... IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER if you feel unwell. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. 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. Call a POISON CENTER if you feel unwell. IF SWALLOWED: Immediately call a POISON CENTER. Do NOT induce vomiting. Rinse mouth. If eye irritation persists: Get medical advice/attention. If exposed or concerned: Get medical advice/attention. Collect spillage.
Storage..... Protect from sunlight. Do not expose to temperatures exceeding 50°C /122°F. Store in a well-ventilated place. Keep container tightly closed. Store locked up.
Disposal..... Dispose of contents/ container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC).. None Known.

Section 03: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS #	Wt. %
Acetone	67-64-1	40-70
Heptane	142-82-5	15-40
Xylene	1330-20-7	5-10
Methanol	67-56-1	5-10

PRODUCT: Brake Buddy VOC - 20 oz., 24 oz.

CODE: 1076, 1077

Section 03: COMPOSITION/INFORMATION ON INGREDIENTS

Carbon Dioxide

124-38-9

5-10

Section 04: FIRST AID MEASURES

Inhalation.....	If breathing has stopped, give artificial respiration. If heartbeat absent, give external cardiac compression. Monitor breathing and pulse. If symptoms persist, call a physician.
Skin Contact.....	Wash thoroughly with soap and lukewarm water.
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.
Ingestion.....	If swallowed, call a Poison Control Center or doctor immediately. Do not induce vomiting.
Most important symptoms/effects, acute and delayed	Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Direct contact with eyes may cause temporary irritation. Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea. May cause redness and pain.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. In case of shortness of breath give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

Section 05: FIRE FIGHTING MEASURES

Suitable Extinguishing Media.....	Dry chemical powder. Carbon dioxide. Foam, water spray or fog.
Unsuitable Extinguishing Media.....	Do not use water jet as an extinguisher, as this will spread the fire.
Specific Hazards Arising from the Chemical.	Contents under pressure. Pressurized container may explode when exposed to heat or flame. In case of fire, the following can be released: Carbon Oxides, Hydrocarbons, Aldehydes, Ketones.
Special Protective Equipment and Precautions for Firefighters	Firefighters must use standard protective equipment including flame retardant coat, helmet with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.
General Fire Hazards.....	Extremely flammable aerosol.

Section 06: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures	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 08).
Methods and Materials for Containment and Cleaning Up	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). Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material.
Environmental Precautions.....	Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

Section 07: HANDLING AND STORAGE

Precautions for Safe Handling.....	Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames. Avoid contact with eyes, skin, and clothing. Avoid breathing vapour of this product. Avoid contact with skin and eyes. Avoid prolonged exposure. Use in well-ventilated areas.
Conditions for Safe Storage including any Incompatibilities	Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C (122°F). Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. Store away from incompatible materials (see Section 10).

Section 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredients	TWA	ACGIH TLV		OSHA PEL	NIOSH
		STEL	REL		
Acetone	500 ppm	750 ppm	Not available	1000 ppm	Not available
Heptane	400 ppm	500 ppm	500 ppm	Not available	85 ppm for n-Heptane, 440 ppm for a ceiling conc.
Xylene	100 ppm	150 ppm	100 ppm (435 mg/m3)	150 ppm (655 mg/m3)	Not established
Methanol	200 ppm	250 ppm	200 ppm	250 ppm	200 ppm

PRODUCT: Brake Buddy VOC - 20 oz., 24 oz.

CODE: 1076, 1077

Section 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredients	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	REL NIOSH
Carbon Dioxide	5000 ppm	30000 ppm	9000 mg/m3	Not available	STEL: 30000ppm; TWA: 5000ppm
Appropriate Engineering Controls.....	Local exhaust ventilation required to maintain the point of use below the Threshold Limit Value if unprotected personnel are involved.				
Individual Protection Measures:					
Eye/Face Protection.....	Do not get in eyes. Wear safety glasses with side-shields.				
Skin Protection.....	Chemical resistant gloves are recommended. Avoid contact with the skin. Wear appropriate chemical resistant clothing.				
Respiratory Protection.....	Use dust and mist respirator.				
Thermal Hazards.....	None Known.				
General Hygiene Considerations.....	When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.				

Section 09: PHYSICAL AND CHEMICAL PROPERTIES

Form.....	Aerosol.
Physical Appearance.....	Clear liquid.
Odor.....	Hydrocarbons.
Odor Threshold (ppm).....	N/A.
Specific Gravity	0.720-0.750.
Aerosol Vapour Pressure (psig, 21°C).....	70-100.
Vapour Density (Air=1).....	> 1.
pH.....	N/A.
Boiling Point liquid (°C).....	56°C (133°F). Estimated.
Melting/Freezing Point (°C).....	N/A.
Flash Point (°C), Method.....	- 4 °C (24.8 °F) (Closed Cup).
Evaporation Rate (n-Butyl Acetate = 1).....	N/A.
VOC Content.....	45%.
Solubility in water.....	Nil.
Aerosol Flame Projection.....	No data.
Auto Ignition Temperature (°C).....	204°C (399°F). Estimated.
Lower Flammable Limit (% Vol).....	1.0.
Upper Flammable Limit (% Vol).....	12.8.
Coefficient of Water/Oil Distribution.....	N/A.
Viscosity.....	N/A.

Section 10: STABILITY AND REACTIVITY

Reactivity	Product not reactive under normal conditions of use.
Chemical Stability.....	Material is stable under normal conditions.
Possibility of Hazardous Reactions.....	Will not occur.
Conditions to Avoid.....	Avoid sources of heat and flame, and electrostatic charge.
Incompatible Materials.....	Strong oxidizing agents. Strong acids.
Hazardous Decomposition Products.....	Carbon Oxides, Hydrocarbons, Aldehydes, Ketones.

Section 11: TOXICOLOGICAL INFORMATION

Ingredients	LC50	LD50
Acetone	32000 ppm (Rat,4hr)	5,800 mg/kg (Oral,Rat)
Heptane	103,000 mg/L (Rat,4hr)	>15,000 mg/kg (rat - oral); >2,000 mg/kg (Dermal,Rabbit)
Xylene	5000 ppm (4 hrs)	4300 mg/kg
Methanol	128.2 mg/L (4h,Rat)	5628 mg/kg (Rat, Oral); 15,840 mg/kg (Rabbit, Dermal)
Carbon Dioxide	Not available	Not available
Information on Likely Routes of Exposure:		
Routes of entry - Inhalation.....	Yes.	
Routes of entry - Skin & Eye.....	Yes.	
Routes of entry - Ingestion.....	Yes.	
Routes of entry - Skin Absorption.....	Yes.	
Symptoms Related to the Physical, Chemical and Toxicological Characteristics		
Acute Toxicity.....	Toxic if inhaled.	

PRODUCT: Brake Buddy VOC - 20 oz., 24 oz.

CODE: 1076, 1077

Section 11: TOXICOLOGICAL INFORMATION

Skin Corrosion/Irritation.....	Causes skin irritation.
Serious Eye Damage/Eye Irritation.....	Causes serious eye irritation.
Respiratory or Skin Sensitization.....	May cause an allergic skin reaction.
Germ Cell Mutagenicity.....	No information is available.
Carcinogenicity.....	Xylene (CAS#: 1330-20-7): ACGIH A4 Not Classified as a human carcinogen; IARC 3 Not classifiable as to carcinogenicity to humans.
Reproductive Toxicity.....	Xylene (CAS#: 1330-20-7): Can cause adverse reproductive effects- such as birth defects, miscarriages, or infertility. Methanol has caused birth defects to rats exposed to 20,000 ppm.
Specific Target Organ Toxicity - Single Exposure.....	Specific target organ toxicity single exposure Category 3. May cause drowsiness and dizziness. Narcotic Effects.
Specific Target Organ Toxicity - Repeated Exposure.....	No data available .
Aspiration Hazard.....	Aspiration into the lungs during swallowing or subsequent vomiting may cause chemical pneumonitis, which can be fatal.
Chronic Effects.....	May cause damage to the Central Nervous System through prolonged or repeated exposure. Symptoms of overexposure are dizziness, headache, tiredness, nausea, unconsciousness.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity.....	May be dangerous for the environment. No data is available on the product itself. Should not be released into the environment. This product contains the following substance which may also be hazardous for the environment.: Xylene (CAS#:1330-20-7): Toxicity to fish: 780.0 mg/L, 96 hrs; Toxicity to other aquatic invertebrates: EC50 0.8 mg/L , 48 hrs; Toxicity to algae: EC50 10.0mg/L. Acetone (CAS#: 67-64-1): Toxicity to fish: LC50 >100 mg/L, 96 hrs; Toxicity to other aquatic invertebrates: 10294 mg/L, 48 hrs; Toxicity to algae: not available . Heptane (CAS#:142-82-5): Toxicity to fish: LC50 1.284 mg/L, 96 hrs; Toxicity to other aquatic invertebrates: 0.1 mg/L, 96 hrs; Toxicity to algae: EL50 4.338 mg/L, 72 hrs. Methanol (CAS#: 67-56-1): Toxicity to fish: LC50 15400-29400 mg/L, 96 hrs; Toxicity to other aquatic invertebrates: EC50 >10,000 mg/L, 48 hrs; Toxicity to algae: EC50 22,000 mg/L, 72hrs.
Persistence and degradability	The product itself has not been tested.
Bioaccumulation Potential.....	The product itself has not been tested.
Mobility in Soil.....	The product itself has not been tested.
Other Adverse Effects.....	None Known.

Section 13: DISPOSAL CONSIDERATIONS

Appropriate Disposal Methods.....	This material and its container must be disposed of as hazardous waste. Avoid release to the environment. Spilled material and water rinses are classified as chemical waste and must be disposed of in accordance with current local, provincial and federal regulations. Contents under pressure. Do not puncture, incinerate or expose to heat, even when empty.
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Section 14: TRANSPORT INFORMATION

TDG (Canada- Road).....	AEROSOLS, Class 2.1, UN1950.
DOT (US-Road).....	AEROSOLS, Class 2.1, UN1950, LTD. QTY. OR ORM-D.
IMDG (International- Marine).....	AEROSOLS, Class 2.1, UN1950.
IATA (International- Air).....	AEROSOLS, Class 2.1, UN1950, LTD QTY.

Section 15: REGULATORY INFORMATION

Canada Regulations:.....	WHMIS Classification. A: Compressed gas. B5: Flammable Aerosol. D2B: Material causing other toxic Materials.
Canadian Environmental Protection Act (CEPA).....	All ingredients listed appear on the Domestic Substances List (DSL).
US Regulations.....	Environmental Protection Act: Constituents of this product are included on the TSCA inventory. This product is considered hazardous under the OSHA Hazard Communication Standard.
OSHA.....	This product is considered hazardous under the Federal OSHA hazard communication standard.
California Proposition 65.....	This product contains Xylene which is known by the state of California to cause reproductive toxicity. This product contains methanol known to the state of California to cause developmental reproductive toxicity.

Section 16: OTHER INFORMATION

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CODE: 1076, 1077

Section 16: OTHER INFORMATION

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. THIS SDS IS VALID FOR THREE YEARS.

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.

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