



Material Safety Data Sheet

Section 1 – Product and Company Identification

Product Name: Chem-Dip® Carburetor & Parts Cleaner

Product Synonym: CD-A-Int

Product Numbers: 0996

Product Description: Parts dip cleaner

Manufacturer: Berryman Products, Inc.
3800 E Randol Mill Rd
Arlington, TX 76011
(800) 433-1704 within USA
(817) 640-2376 outside USA
www.BerrymanProducts.com

Emergency Contact: Infotrac, Inc., (800) 535-5053

Section 2 – Hazards Identification

Emergency Overview: Eye and skin irritant. Harmful if swallowed.

Routes of Exposure: Ingestion, eye contact, skin contact

Possible Health Hazards

Eyes: Acute contact may cause moderate to severe irritation of the eyes and result in conjunctivitis, blurred vision, and corneal damage. Prolonged contact may result in chemical burns, tissue damage, and blindness.

Skin: May cause mild to moderate irritation of the skin. Prolonged or repeated contact may dry the skin and result in moderate to severe irritation, dermatitis, and effects similar to those of chronic overexposure by way of inhalation.

Inhalation: Acute overexposure is unlikely but may result in respiratory tract irritation, headache, dizziness, nausea, and vomiting. Chronic overexposure or intentional abuse may also adversely affect the liver and kidneys.

Ingestion: Ingestion of small quantities may result gastrointestinal effects, such as abdominal discomfort, pain, nausea, and vomiting. Ingestion of large quantities may adversely affect the liver and kidneys.

Supplemental Information: See “Section 11 – Toxicological Information” for additional information.

Section 3 – Composition / Information on Ingredients

<u>Ingredient</u>	<u>CAS Number</u>	<u>Weight</u>
2-(2-Butoxyethoxy)ethanol	112-34-5	<10%
2-Butoxyethanol	111-46-2	<10%
Ethoxylated Alkyl Amines	mixture	1-5%
Heterocyclic and Aliphatic Amines	Mixture	15-20%

Section 4 – First Aid Measures

Eye Contact: Immediately flush eyes with water for at least 15 minutes, holding eyelids apart at regular intervals to ensure complete irrigation. Dispose of contaminated contact lenses. Seek medical attention if irritation persists.

Skin Contact: Remove contaminated clothing, and wash affected areas of body thoroughly with soap and water. Rinse clothing and launder before reuse. Seek medical attention if irritation persists.

Inhalation: If breathing difficulties occur, remove source of exposure or move victim to fresh air and administer oxygen, if necessary. If symptoms persist, seek immediate medical attention. If breathing stops, give artificial respiration and seek medical attention immediately.

Ingestion: Do *not* induce vomiting unless otherwise directed by a medical professional. Dilute stomach contents by drinking 1-2 cups of fruit juice or water. Seek medical attention immediately.

Section 5 – Firefighting Measures

Flash Point and Method: >200°F by Setaflash closed-cup tester

Flammability Limits (composite): Lower – N/A Upper – N/A

Suitable Extinguishing Media: All, including water fog, foam, dry chemical, and carbon dioxide

Unsuitable Extinguishing Media: N/A

Protective Equipment: Employ SBCA and full protective gear, including shield, as sealed product may vent, rupture, or explode violently at elevated temperatures.

Specific Procedures: Move product from area if possible without risk of injury. Use water spray to cool nearby containers.

Section 6 – Accidental Release Measures

General Remediation Overview: Eye and skin irritant. Thoroughly ventilate area.

Personal Precautions: Avoid unnecessary contact with product.

Environmental Precautions: Prevent further loss of product if safely possible.

Methods for Containment: Use booms or other barriers as necessary to prevent further loss.

Methods for Cleaning Up: For small spills, mop up or absorb with inert material, such as corn cob, cellulose, or vermiculite. For large spills, pump or transfer material into containers for recovery and use absorbent material for collection of unrecoverable product.

Section 7 – Handling and Storage

Handling: Avoid contact with skin and eyes. Wash hands thoroughly after use.

Storage: Store in cool, dry location.

Section 8 – Exposure Controls / Personal Protection

<u>Ingredient</u>	<u>Exposure Limit</u>	<u>Source</u>
2-(2-Butoxyethoxy)ethanol	NE	N/A
2-Butoxyethanol	20 ppm	ACGIH
Ethoxylated Alkyl Amines	NE	N/A
Heterocyclic and Aliphatic Amines	NE	N/A

Engineering Controls: Use outside with adequate ventilation to minimize exposure.

Respiratory Protection: If necessary, use respiratory protection sufficient to reduce exposure to permissible limits.

Eye Protection: Use of safety with wrap-around lens or goggles is recommended.

Skin Protection: Employment of impermeable gloves is recommended.

Other Protection: For industrial settings, combination safety shower with eye wash station is recommended.

Section 9 – Physical and Chemical Properties

Physical State: Liquid

Appearance: Clear, dark amber

Odor: Mild, solvent

Freezing Point: 0°F (approximate)

Boiling Range: 212-600°F (approximate)

Specific Gravity: 1.035-1.040 at 68°F

pH: 10-11, as supplied

Solubility in Water: Infinite

Volatile Content: 70-75%

Evaporation Rate: same as water

Vapor Density: Heavier than air

Vapor Pressure: 0 PSI at 68°F

VOC Content (Commercial): 20% by weight (210 g/L) (by EPA Method 24)

VOC Content (Consumer): 10% by weight (100 g/L) (by CARB Method 310)

VOC Composite Partial Pressure, PP_c: 0.07 mm Hg at 68°F (as calculated by SCAQMD Rule 1171(B)(57))

Section 10 – Stability and Reactivity

Chemical Stability: Stable under normal conditions.

Incompatible Materials: Nitrites, strong acids, strong oxidizers

Hazardous Decomposition Products: None under normal conditions of use. Thermal decomposition may yield nitrogen oxides, carbon monoxide, and carbon dioxide as well as various nitrogenated and oxygenated organics.

Possibility of Hazardous Reactions: Negligible

Section 11 – Toxicological Information

General Information: This formulated product has not been evaluated for toxicological properties. Acute toxicity is anticipated to be low to moderate, depending on route of exposure. Chronic toxicity is also expected to be low to moderate.

Acute Toxicity: No specific data available on blend

Chronic Toxicity: No specific data available on blend

Carcinogenicity: N/A

Teratogenicity: N/A

Mutagenicity: N/A

Supplemental Information: See “Section 2 – Hazards Identification” of this MSDS for additional information.

Section 12 – Ecological Information

Ecotoxicity: This product is not anticipated to be ecologically significant in small amounts.

Persistence and Degradability: All ingredients have environmentally favorable biodegradation profiles and are not expected to be persistent.

Bioaccumulation Potential: None

Section 13 – Disposal Considerations

Disposal Instructions: None specific. Dispose of waste in accordance with applicable regulations.

Section 14 – Transportation Information

US Department of Transportation (DOT): In any size container shipped by ground, this product is *not* considered a hazardous material and is therefore *not* DOT-regulated.

International Air Transportation Association (IATA): In any size container shipped by air, this product is *not* considered a dangerous good and is therefore *not* IATA-regulated.

Section 15 – Regulatory Information

FEDERAL CONSIDERATIONS

SARA Title III, Section 302 – Extremely Hazardous Substances: Neither this product nor any of its components appear on the list of extremely hazardous substances (EHS) found in §40 CFR 355 Appendices A and B and are not subject to the emergency planning (EPCRA) requirements of §40 CFR 355.30 or the reportable quantity (RQ) and threshold planning quantity (TPQ) requirements of §40 CFR 355 Appendices A and B.

SARA Title III, Section 304 – Hazardous Substances: This product does not contain any components found in the list of hazardous substances of §40 CFR Table 302.4.

SARA Title III, Sections 311/312 – Hazard Classes: This product contains one or more ingredients that are classified into the following hazard categories outlined in §40 CFR 370.40:

immediate (acute) health; delayed (chronic) health

SARA Title III, Section 313 – Toxic Chemicals: This product contains the following chemicals listed in the table of §40 CFR 372.65 exceeding the *de minimis* concentration reporting requirements of §40 CFR 372.38:

Certain Glycol Ethers (CAS #s 111-76-2 and 112-34-5)

Section 15 – Regulatory Information (continued)

FEDERAL CONSIDERATIONS (continued)

Clean Air Act, Section 183(e) – Consumer and Commercial Products: This product complies with the National Volatile Organic Compound Emission Standards for Consumer Products regulations found in §70 FR 69759.

Toxic Substances Control Act (TSCA): All chemicals known to be present in this product are either listed on the TSCA inventory or are not required to be per §15 USC 2601, et seq.

Occupation Safety and Health Administration (OSHA): This material safety data sheet is provided for compliance with applicable regulations of the Hazard Communication Standard (HCS) found in §29 CFR 1910.1200(g). Federal law requires persons receiving this document to study it carefully and become aware of the hazards of this product. Notify all employees, visitors, agents, and contractors of the information on this sheet.

Consumer Product Safety Commission (CPSC): If sold in the United States, this product is regulated under the Federal Hazardous Substances Act, is subject to the labeling requirements of 16 CFR 1500, and must include the following cautionary statements: Eye and skin irritant. Harmful if swallowed. Keep out of the reach of children.

REGIONAL CONSIDERATIONS

Lake Michigan Air Directors Consortium (LADCO): Complies with category VOC requirement

Ozone Transport Commission (OTC): Complies with category VOC requirement

STATE CONSIDERATIONS

California: This product is compliant with the category VOC requirements of §94509 of Subchapter 8.5 Article 2 of the Air Resource Board's "Regulation for Reducing Emissions from Consumer Products."

This product is *not* subject to the labeling requirements of "Proposition 65 – Safe Drinking Water and Toxic Enforcement Act of 1986" ("Prop 65").

New Jersey: For Right-To-Know ("RTK") labeling requirements, refer to "Section 3 – Composition / Information on Ingredients."

Section 16 – Other Information

Hazardous Materials Identification System (HMIS)

HMIS Hazard Rating	HMIS Hazard Index
Health 1	Least - 0
Flammability 1	Slight - 1
Reactivity 0	Moderate - 2
Protective Equipment X	High - 3
	Extreme - 4

Index of Abbreviations

ACGIH – American Council of Governmental and Industrial Hygienists

IARC – International Agency for Research on Cancer

N/A – Not applicable

NE – Not established

NIOSH – National Institute for Occupational Safety and Health

NTP – National Toxicology Program

PEL – Permissible Exposure Limit (as required by OSHA)

TLV – Threshold Limit Value (as recommended by ACGIH)

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Primary Revision Change(s): General update

Applicability: This document only applies to part number 0996 manufactured on or after January 1, 2011.

Prepared By: Dan Nowlan

Legal Disclaimer: The information contained in this document is, to the best of Berryman Products, Inc.'s knowledge, complete and accurate but is not warranted. All materials may present unknown hazards and should be used with caution. It is the responsibility of the user to evaluate the information in a prudent manner and to use it in a manner consistent with its intended purpose. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.