Safety Data Sheet

Section 1 – Identification of the Mixture and of the Company

Product Identification

Primary Identifier(s) Used on the Label
Berryman *B-12 Chemtool Carburetor, Choke & Throttle Body Cleaner*;
Berryman *B-12 Chemtool Throttle Body, Carburetor & Choke Cleaner*
Product Synonym(s)
blend "1AA-CA11"
Product Number(s)
0110C, 0117C, and 0120C

Relevant Identified Uses and Uses Advised Against

Recommended Uses
carburetor, choke, and air-intake/throttle body cleaning
Uses Advised Against
not for use in some applications

Manufacturer/Supplier Details

Berryman Products, Inc.
3800 E Randol Mill Rd
Arlington, TX 76011
(800) 433-1704 (USA/Canada)
(817) 640-2376 (international)
www.BerrymanProducts.com

Emergency 24-Hour Telephone Number(s) – InfoTrac, Inc.

(800) 535-5053 (USA/Canada)
(352) 323-3500 (international)

Section 2 – Hazards Identification

Classification of the Substance or Mixture (29 CFR 1910.1200)

Physical Hazards
Flammable Aerosol – Category 1
Gases Under Pressure – Compressed Gas
Health Hazards
Skin Irritant – Category 2
Eye Irritant – Category 2A
Developmental – Category 2
Specific Target Organ Toxicity - Single Exposure – Category 3 (narcotic effects)
Specific Target Organ Toxicity - Repeated Exposure – Category 2 (blood/blood system, central nervous system)
Environmental Hazard - Acute – Category 3

Allocation of Label Elements

Chemical Identity
Berryman *B-12 Chemtool Carburetor, Choke & Throttle Body Cleaner*;
Berryman *B-12 Chemtool Throttle Body, Carburetor & Choke Cleaner*
Pictograms

Description of First Aid Measures (cont'd)

Skin Contact

Wash with plenty of soap and water or shower.

Inhalation

Remove person to fresh air and keep comfortable. If experiencing respiratory symptoms or if breathing is difficult, administer oxygen and call poison control center, hospital emergency room, or doctor.

Most Important Symptoms and Effects

Acute/Immediate

headache and lightheadedness; narcotic effects, including dizziness, drowsiness, and loss of coordination

Delayed

drying, cracking, or defatting of the skin

Indications of Need for Immediate Medical Attention and Specific Treatment Required

Indications of Need for Immediate Medical Attention

In the event of shortness of breath or difficulty breathing, seek immediate medical attention.

Specific Treatment and Notes to Physician

No additional information available

Section 5 – Firefighting Measures

Fire Extinguishing Media

Support for Combustion

Product supports combustion.

Suitable Extinguishing Media

water fog, dry chemical, alcohol-resistant foam, or carbon dioxide

Unsuitable Extinguishing Media

water jet/spray (may cause product to float to surface and reignite)

Special Hazards/Considerations

Combustion Products

Combustion in the presence of air may yield unburned hydrocarbons, carbon monoxide, carbon dioxide, and organic oxygenates.

Special Protective Equipment and Precautions for Firefighters

Special Protective Equipment

Firefighters should employ SCBA and full protective gear, including shield, as product is comprised of low-boiling, flammable solvents and may vent, rupture, or explode violently at elevated temperatures.

Precautions and Procedures

Contains gas under pressure; may explode if heated. Vapors heavier than air. Remove product from area if safe to do so. Use water spray to cool nearby containers.

Section 6 – Accidental Release Measures

Personal and Environmental Precautions

Personal Precautions

Do not handle until all safety precautions have been read and understood. Keep away from heat, sparks, open flames, and hot surfaces. No smoking. Do not breathe fumes, gas, mist, vapor, or spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves, protective clothing, and eye or face protection.

Environmental Precautions

Avoid release to the environment. Prevent contamination of ground water.

Materials and Methods for Containment

Small Spills

Use socks/absorbent mini-booms or other inert barrier if necessary to contain small spills.

Large Spills

Use large socks/absorbent booms or other inert barrier to form dam/dike in order to contain large spills and prevent further loss.

Materials and Methods for Cleanup

Small Spills

Remove source from area if safe to do so. Use granular sorbent, gel sorbent, vermiculite, cat litter, dirt/earth, pads/rolls, or pillows to absorb spilled material. Remediate affected area as necessary.

Large Spills

Keep upwind from spill. Remove source from area if safe to do so. Use explosion-proof transfer equipment to recover spilled material. Use granular sorbent, gel sorbent, vermiculite, cat litter, dirt/earth, pads/rolls, or pillows to absorb residual material. Remediate affected area as necessary.

Information on Basic Physical and Chemical Properties (cont'd.)

Water Solubility
slightly soluble
n-Octanol/Water Partition Coefficient (log P_{ow})
0.0 (composite)
Viscosity
0.4 cSt at 68°F
Volatility
100% by weight
Auto-ignition temperature
800°F (composite)

Other Information

VOC Content
10% by weight (EPA Method 24); 10% by weight (consumer products)
VOC Composite Partial Pressure, PPC
1.0 mm of Hg at 68°F

Section 10 – Stability and Reactivity

Chemical Stability under Normal Conditions of Use

Chemical Stability
Stable under normal conditions of use.
Conditions Affording Instability
none known

Reactivity
not expected

Possibility of Hazardous Reactions
none expected

Conditions to Avoid
Avoid direct sunlight and excessive temperatures. Do not puncture, incinerate, or crush. Keep away from heat, sparks, open flames, and hot surfaces. No smoking. If practical, avoid temperatures exceeding flash point.

Incompatible Materials
strong acids; oxidizers; reducing agents

Hazardous Decomposition Products
none known

Section 11 – Toxicological Information

Likely Routes of Exposure
ingestion, skin contact, eye contact, inhalation

Symptoms Related to Physical, Chemical, and Toxicological Characteristics

Ingestion
Large Quantity
gastrointestinal disturbances, including upset stomach, cramping, nausea, vomiting, and diarrhea
Small Quantity/Incidental Contact
virtually nontoxic after single ingestion of small quantity
Skin Contact
moderate irritation
Eye Contact
moderate eye irritation
Inhalation
headache, lightheadedness; narcotic effects, including dizziness, drowsiness, and loss of coordination

Immediate, Delayed, and Chronic Effects

SHORT-TERM EXPOSURE

Potential Immediate Effects
Ingestion
drying, burning, or irritation of the mouth and throat, gastrointestinal disturbances, nausea and vomiting
Skin Contact
drying of the skin

Section 12 – Ecological Information

General Ecological Assessment/Overview
Harmful to aquatic life. Very mobile in soils which may lead to contamination of groundwater.

Aquatic Toxicity
Vertebrates (Fish)
Acute Toxicity
LC_{50}: >100 mg/L (derived)
Chronic Toxicity
NOEC: 27 mg/L (derived)
Invertebrates (Water Flea)
Acute Toxicity
LC_{50}: 67 mg/L (derived)
Chronic Toxicity
NOEC: 15 mg/L (derived)
Aquatic Plants (Freshwater Algae)
Acute Toxicity
EC_{50}: 39 mg/L (derived)
Chronic Toxicity
NOEC: not available

Terrestrial Toxicity
Invertebrate (Earthworm)
LC_{50}: >100 mg/L (derived)

Persistence and Degradability
Persistence
not expected to be persistent
Degradability
rapidly degradable

Bioaccumulative Potential
Bioaccumulation Potential Assessment
does not bioaccumulate
Bioaccumulation Factor
90 (Toluene)

Mobility in Soils
Mobility in Soils Assessment
very mobile in soils—may contaminate groundwater
Soil Organic Carbon/Water Partition Coefficient (log K_{OC})
1.1 (composite)

Results of PBT and vPvB Assessment
not a persistent, bioaccumulative, toxic chemical (PBT); not very persistent and very bioaccumulative (vPvB)

Other Adverse Effects
none known

Section 13 – Disposal Considerations

General Assessment/Overview
Dispose of waste in accordance with all applicable regulations. Harmful to aquatic life—do not pour into waterways. Highly flammable liquid and vapor and aggressive solvents, which may dissolve PVC pipes and fittings—do not pour down drain.

RCRA Hazardous Waste Code(s) (40 CFR 261.20-33)
Based on this material as-supplied, used or unwanted product may be subject to RCRA regulations and classified as F003 – spent non-halogenated solvent mixture containing acetone, methanol, and/or xylene

Section 14 – Transportation Information

Transportation by Ground – US Department of Transportation
Shipping Description
UN1950, Aerosols, 2.1
Exemption Eligibility
When shipped by ground, this product may be eligible for a "Limited Quantity" exception per §49 CFR 173.306.

Pennsylvania
"Right-to-Know" Legislation – Hazardous Substance List (Chapter 323)
2-Propanone, Methylbenzene, 2-Butoxyethanol, Carbon Dioxide

INTERNATIONAL – SELECT REGULATIONS

Canada
Environment Canada – Domestic Substances List (DSL)
All chemicals known to be present in this product are listed on the DSL.
China
Ministry of Environmental Protection – Inventory of Existing Chemical Substances Produced or Imported in China (IECSC)
All chemicals known to be present in this product are listed on the IECSC.
European Union
European Chemical Agency – European Inventory of Existing Chemical Substances (EINECS)
All chemicals known to be present in this product are listed on the EINECS.

Chemical Safety Assessment
has not been conducted on product, as-supplied

Section 16 – Other Information

Hazardous Materials Information System (HMIS)

Health	* 2
Flammability	3
Reactivity	0
Protective Equipment	B

Hazard Index	
Least	- 0
Slight	- 1
Moderate	- 2
High	- 3
Extreme	- 4

Index of Abbreviations
ACGIH – American Council of Governmental and Industrial Hygienists
CAS RN – Chemical Abstracts Service Registry Number
EC_{50} – Median Effective Concentration
IATA – International Air Transport Association
ICAO – International Civil Aviation Organization
IMDG – International Maritime Dangerous Goods
IMO – International Maritime Organization
LC_{50} – Median Lethal Concentration
LD_{50} – Median Lethal Dose
N/A – Not Applicable
NE – Not Established
NOEC – No Observable Exposure Concentration
PEL – Permissible Exposure Limit (as required by OSHA)
TLV – Threshold Limit Value (as recommended by ACGIH)
VOC – Volatile Organic Compound

Relevant Dates and Applicability
Date of Issuance
July 12, 2016
Date of Previous Revision
June 8, 2015
Primary Revision Change(s)
general update; "Section 2 – Hazards Identification"
Document Applicability
This safety data sheet applies to part numbers 0110C, 0117C, and 0120C manufactured on or after January 1, 2015.

Document Author
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.