

SAFETY DATA SHEET

1. Identification of the substance/mixture and of the company

1.1 Product identifier

**Product Name: Boom Wash Concentrate
(Type BWC)**

Product ID numbers: BWC-128, BWC-640, BWC-DRUM
BWC-XXX (Where XXX is the package code.)

1.2 Relevant identified uses of the mixture and uses advised against

Identified uses: Water-based Cleaner Degreaser

List of advices against: Not applicable.

1.3 Details of the supplier of the safety data sheet

Supplier/Manufacturer:

American Polywater Corporation
11222 - 60th Street North
Stillwater, MN 55082 USA
Tel: 1-651-430-2270
Email: sds@polywater.com

Polywater Europe BV
Zuidhaven 9-11 Unit B2
4761 CR Zevenbergen
Netherlands
Tel: +31 (0)10 2330578
Email: sds@ polywater.com

1.4 Emergency telephone numbers

INFOTRAC: 1-800-535-5053 (USA) 1-352-323-3500 (INT'L)

2. Hazards Identification

2.1 Classification of the substance or mixture

Classification according to USA OSHA 29 CFR 1910.1200 (2012) and Canada HPR (SOR/2015-17; WHMIS 2015).

This product contains no reportable hazardous components according to US Federal and Canadian regulations. It is not classified as dangerous according to EC (GHS) criteria.

2.2 Label elements

Contains: None required.

Pictograms: None required.

Hazard Statements: None required.

2.3 Other hazards:

No information available.

3. Composition/Information on Ingredients

<u>Component</u>	<u>CAS #</u>	<u>EC #</u>	<u>Wt. %</u>
Diethylene Glycol Mono-Butyl Ether	112-34-5	203-961-6	1 - 3
Poly(acrylic acid sodium salt	9003-04-7	618-349-8	1 - 3

4. First Aid Measures

4.1 Description of first aid measures

Eye Contact: Flush eyes with a large quantity of water for 15 minutes. If irritation continues, seek medical attention.

Skin Contact: None Required. Material designed to be gentle on skin.

Inhalation (Breathing): No first aid expected to be required. Not an inhalation hazard.

Ingestion (Swallowing): No first aid expected to be required. If difficulties arise, contact a physician.

4.2 Most important symptoms and effects, both acute and delayed

Aside from information above, no additional symptoms and effects are anticipated.

4.3 Indication of immediate medical attention and special treatment needed.

No information available.

5. Firefighting Measures

5.1 Extinguishing media:

Does not apply.

5.2 Special hazards arising from the substance or mixture

Hazardous decomposition and by-products:

High temperature steam, potentially carbon monoxide and carbon dioxide.

5.3 Advice for firefighters

Sealed container can build up pressure when exposed to high heat. Cool containers with water.

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures:

Avoid contact with eyes.

6.2 Environmental precautions:

Outside, spills should be diluted with a quantity of water, and then covered with sand, dirt or gravel.

6.3 Methods materials for containment and cleaning up:

Flush small spills to drain with water. Dike or dam larger spills and return to container for reuse. Dilute and neutralize residue.

6.4 Reference to other sections:

Refer to Sections 4, 5, 8, and 13 for more information.

7. Handling and Storage

7.1 Precautions for safe handling

Avoid unnecessary contact.

7.2 Conditions for safe storage, including incompatibilities

Keep product containers closed when not in use.

7.3 Specific end uses

See product flyer for further information.

8. Exposure Controls / Personal Protection

8.1 Control parameters

Exposure limits and recommendations:

Component Name	Limit	Standard	Source/Note
Diethylene Glycol Mono-Butyl Ether	10 ppm	ACGIH TLV	
Diethylene Glycol Mono-Butyl Ether	10 ppm	ACGIH STEL	

8.2 Exposure controls

Respiratory protection:

Normal ventilation is adequate.

Protective gloves:

For people with pre-existing skin conditions such as dermatitis the use of impermeable gloves is recommended because this and other oil/grease effective cleaners may adversely affect the skin.

Eye protection:

Eye protection is recommended, especially if the material is used in ways where it could contact the eyes.

9. Physical and Chemical

9.1 Information of basic physical and chemical properties

Appearance:	Clear liquid
Odor threshold:	Not available
pH:	11
Freezing point:	~ 32°F (0°C)
Boiling point:	~ 212°F (100°C)
Flash point:	None
Evaporation rate:	Not available
Flammability (solid, gas):	Product is not flammable
Upper/lower flammability or explosive limits:	Does not apply
Vapor pressure:	Not available
Vapor density (Air = 1):	Not available
Specific gravity (H₂O = 1):	1.02
Solubility in water:	Complete
Partition coefficient: n-octanol/water:	Not available
Auto-ignition temperature:	Does not apply
Decomposition temperature:	Not available

9.2 Other Information

Volatiles (Weight %):	>90%
VOC Content:	34 g/l (0.28 lb./gal)

10. Stability and Reactivity

10.1 Reactivity:

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability:

Stable

10.3 Possibility of hazardous reactions:

None known.

10.4 Conditions to avoid:

None known.

10.5 Incompatible materials :

Strong oxidizing agents, strong acids. Contact with acids will cause a heat-releasing reaction. Avoid contact with aluminum, zinc, and their alloys.

10.6 Hazardous decomposition products:

Carbon dioxide, carbon monoxide.

11. Toxicological Information

11.1 Information on toxicological effects:

Acute toxicity

Eye contact:

Direct eye contact may cause eye irritation. This irritation is minimal and expected to be transient.

Skin contact:

This product has low skin irritation potential. There is no dermal toxicity hazard.

Irritation and Sensitization Potential:

This product has low skin irritation potential. It is not a sensitizer.

Inhalation (Breathing):

No inhalation hazard expected with water vapor.

Ingestion:

Material has low level of oral toxicity.

Toxicity to Animals

Poly(acrylic acid sodium salt)	LD ₅₀ (oral rat) >40,000 mg/kg
Diethylene Glycol Mono-Butyl Ether	LD ₅₀ (dermal rabbit) 2764 mg/kg (similar to OECD 402)
Diethylene Glycol Mono-Butyl Ether	ATE US (dermal) 2764 mg/kg body weight

Aspiration hazard

Not an aspiration hazard.

Chronic Exposure:

Reproductive Toxicity:	Not Available
Mutagenicity:	Not Available
Teratogenicity:	Not Available
Toxicologically Synergistic Products:	Not Available
Carcinogenic Status:	This substance has not been identified as a carcinogen or probable carcinogen by NTP, IARC, or OSHA, nor have any of its components.

12. Ecological Information

12.1 Ecotoxicity

Diethylene Glycol Mono-Butyl Ether	LC ₅₀ 96 h	Lepomis macrochirus	1,300 mg/l
Diethylene Glycol Mono-Butyl Ether	EC ₅₀ 48 h	Daphnia magna	4,950 mg/l
Diethylene Glycol Mono-Butyl Ether	EC ₅₀ 96 h	Desmodemus subspicatus (algae)	>100 mg/l
Poly(acrylic acid sodium salt)	LC ₅₀ 96 h	Oryzias latipess	>100 mg/l
Poly(acrylic acid sodium salt)	EC ₅₀ 48 h	Daphnia magna	>100 mg/l
Poly(acrylic acid sodium salt)	EC ₅₀ 72 h	Scenedesmus subspicatus (algae)	>100 mg/l

12.2 Persistence and degradability: No information available.

12.3 Bioaccumulation potential: No information available

12.4 Mobility in soil: No information available.

12.5 Results of PBT and vPvB Assessment: This product is not, nor does it contain a substance that is a PBT or vPvB.

12.6 Other adverse effects: None known.

13. Disposal Considerations

Dispose of product in accordance with National and Local Regulations.

14. Transport Information

UN Number:	Not Listed
UN Proper shipping name:	Not Applicable
Transport hazard class(es):	Not Applicable
Packing group:	Not Applicable
Environmental hazards:	None known
Special precautions:	None known
TDG:	Not Regulated

ICAO/IATA-DGR: Not Regulated
IMDG: Not Regulated
ADR/RID: Not Regulated

15. Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

USA Federal and State

All components are listed on the TSCA inventory.

Hazard Categories for SARA Section 311/312 Reporting	<u>Acute</u> No	<u>Chronic</u> No	<u>Fire</u> No	<u>Pressure</u> No	<u>Reactive</u> No
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<u>Components</u>	CERCLA/SARA Sec 302 Hazardous Substance RQ	EHS TPQ	SARA Sec. 313 Toxic Release
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Components are not affected by these Superfund regulations.

NFPA Ratings:

Health:	1
Fire:	0
Reactivity:	0

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel during spill, fire or similar emergencies. Hazard ratings are based on physical and toxic properties of combustion or decomposition.

California Proposition 65

This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm or has been assessed to be below OEHHA Safe Harbor exposure levels required for labeling.

European Union

Product complies with the communication requirements of REACH Regulation (EC) No. 1907/2006. All components are listed on the European Inventory of Existing Chemical Substances (EINECS). Contains no substance on the REACH candidate list $\geq 0.1\%$ SCL. Does not contain notified substances from the ELINCS List, Directive 92/32/EEC. Contains no REACH substances with Annex XVII restrictions.

Canada

All components are listed on the DSL inventory.
 This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

WHMIS Classification: NC

Australia

All components are listed on the AICS.
 Not considered hazardous according to criteria of NOHSC Australia.

15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out for the mixture by the supplier.

16. Other Information

Abbreviations and acronyms:

OSHA = Occupational Safety and Health Administration
 CLP = Classification, Labeling and Packaging Regulation
 STOT = Specific Target Organ Toxicity
 LD₅₀ = Median Lethal Dose

Product Name: Boom Wash Concentrate (BWC)

Revision Date: September 24, 2018

DNEL = Derived No Effect Level

ACGIH = American Conference of Governmental Industrial Hygienists

TSCA = Toxic Substances Control Act (USA)

DSL = Domestic Substances List (Canada)

AICS = Australian Inventory of Chemical Substances

Revision Date: September 24, 2018

Revision Number: 4

Supersedes: July 27, 2017

Other: Not Applicable

Indication of Changes: Section 15 updated; additional California Proposition 65 information.
Written in accordance with the provisions of OSHA 1910.1200 App D (2012) and
Canada HPR (SOR/2015-17) (WHMIS 2015). (GHS format)

The information and recommendations contained herein are believed to be reliable. However, the supplier makes no warranties, express or implied, concerning the use of this product. The buyer must determine conditions of safe usage and assumes all risk and liability in handling this product.