

3054

Product Name: Memco Clearview

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296 Carlton Rd. Hollister, MO 65672

Safety Data Sheet Clearview

1. IDENTIFICATION

Synonyms none
 CAS# see Part 3, below
 Material Use glass & hard surface cleaner

IN AN EMERGENCY CALL: INFOTRAC 1-800-535-5053

2. HAZARD IDENTIFICATION

GHS Class (Category)	skin irritant (2)	eye irritant (2)
Signal Words	WARNING	WARNING
	no Pictogram	
Hazard Statements	causes mild skin irritation (H316)	causes severe eye irritation (H319)



GHS Precautionary Statements for Labeling

P262 Do not get in eyes, on skin or on clothing.
 P264 Wash thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P280 Wear protective gloves and clothing of butyl.
 P313 & P333 If skin irritation or rash occurs, get medical advice/attention.

3. COMPOSITION

	CAS NUMBER	%	TLV ppm / mg/m ³	LD ₅₀ (mg/kg) ORAL	LD ₅₀ (mg/kg) SKIN	LC ₅₀ ppm INHALATION
2-Propanol	67-63-0	5-10%	200 / 490	>4400	12,900	>5920
2-Butoxyethanol	111-76-2	1-5%	20/100 (skin)	>300	>450	>450
Water	7732-18-5	balance	not toxic	90,000	not toxic	not toxic

NOTE: Several other components are present at below 1% & are non-hazardous, or are present at 0.1% or less & are non-hazardous.

4. FIRST AID

SKIN: Wash with plenty of water. Remove contaminated clothing and do not reuse until laundered. Seek medical help promptly if there is persistent itching or redness in the affected area.
 EYES: Wash eyes with plenty of water, holding eyelids open. Seek medical assistance promptly if irritation occurs.
 INHALATION: Remove from contaminated area promptly. CAUTION: Rescuer must not endanger himself! If victim's breathing stops, administer artificial respiration and seek medical aid promptly.
 INGESTION: Give plenty of water to dilute product. Do not induce vomiting (NOTE below). Keep victim quiet. If vomiting occurs, lower victim's head below hips to prevent inhalation of vomited material. Seek medical help promptly.

NOTE: Inadvertent inhalation of vomited material may seriously damage the lungs. The danger of this is greater than the risk of poisoning through absorption of this relatively low-toxicity product. The stomach should only be emptied under medical supervision, after the installation of an airway to protect the lungs.

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5. FLAMMABILITY & FIRE-FIGHTING

Flash Point	cannot flash
Autoignition Temperature	probably cannot autoignite
Flammable Limits	not combustible
Combustion Products	carbon monoxide, nitrogen oxides
Firefighting Precautions	as for materials sustaining fire; firefighters must wear SCBA
Static Discharge	cannot accumulate a static charge

6. ACCIDENTAL RELEASE MEASURES

Leak Precaution	dike to control spillage and prevent environmental contamination
Handling Spill	recover free liquid with suitable pumps; absorb residue on an inert sorbent, sweep, shovel & store in closed containers for disposal

7. HANDLING & STORAGE

No special storage required.
Avoid contact with skin & wash work clothes frequently. An eye bath should be available near the workplace.

8. EXPOSURE CONTROL & PERSONAL PROTECTION**2-Propanol:**

ACGIH TLV	200ppm / 491mg/m ³	ACGIH STEL	400ppm / 983mg/m ³
OSHA PEL	400ppm / 980mg/m ³	OSHA STEL	500ppm / 1225mg/m ³

2-Butoxyethanol:

ACGIH TLV	20ppm / 96mg/m ³ (skin)	ACGIH STEL	60ppm / 288mg/m ³
OSHA PEL	50ppm / 240mg/m ³ (skin)	OSHA STEL	not listed

Ventilation	no special mechanical ventilation required
Hands	butyl gloves recommended – <i>other glove materials are also suitable; confirm suitability with supplier</i>
Eyes	safety glasses with side shields – <i>always protect eyes!</i>
Clothing	no special protective clothing required

9. PHYSICAL AND CHEMICAL PROPERTIES

Odor & Appearance	clear, blue, mobile liquid with a slight ether odor
Odor Threshold	0.1ppm (<i>2-Butoxyethanol</i>)
Vapor Pressure	below 33mmHg / 4.4kPa (20°C / 68°F)
Evaporation Rate (<i>Butyl Acetate = 1</i>)	as for water
Vapor Density (air = 1)	0.6 (<i>water</i>), 2.1 (<i>2-Propanol</i>), 4.1 (<i>2-Butoxyethanol</i>)
Boiling Range	from ~82 to 168°C / 179 to 334°F
Freezing Point	not known – slightly below 0°C / 32°F
Specific Gravity	0.98 to 0.995 (20/20°C)
Water Solubility	complete
Viscosity	not known – thin mobile liquid
pH	9.8 to 11.6 – <i>alkaline, however the total amount of alkaline material is low</i>

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10. REACTIVITY

Dangerously Reactive With	not known
Also Reactive With	probably none
Chemical Stability	stable; will not polymerize
Decomposes in Presence of	fire heat
Decomposition Products	none apart from Hazardous Combustion Products
Mechanical Impact	not sensitive

11. TOXICITY INFORMATION**i. ACUTE EXPOSURE**

Skin Contact	may irritate if contact is prolonged
Skin Absorption	yes; however, toxic effects are unlikely by this route
Eye Contact	may be severely irritating; unlikely to cause damage
Inhalation	mist may irritate respiratory passages
Ingestion	may irritate mouth, throat & stomach
Calculated LD ₅₀ (oral)	15,400mg/kg (rat)
Calculated LD ₅₀ (skin)	26,000mg/kg (rabbit)
Calc. LC ₅₀ (inhalation)	22,500ppm (rat)

ii. CHRONIC EXPOSURE

General	prolonged or repeated exposure may cause dermatitis; ingestion of 2-Butoxyethanol causes kidney stones in rodents – <i>not relevant to industrial exposure</i>
Sensitizing	not a sensitizer
Carcinogen/Tumorigen	not known to be a tumorigen or a carcinogen in humans or animals
Reproductive Effect	no known effect on humans or animals
Mutagen	not known to be a mutagen or teratogen in humans or animals
Synergistic With	not known

12. ECOLOGICAL INFORMATION**2-Propanol:**

Bioaccumulation	low potential for bioaccumulation
Biodegradation	biodegrades readily & rapidly; aerobic >75% in 28 days; anaerobic >65% in 20 days
Abiotic Degradation	reacts with atmospheric hydroxyl (OH) radicals; estimated ½-life in air 3.2 days
Mobility in soil, water	water soluble; moves readily through soil and the water column
Aquatic Toxicity	
LC ₅₀ (Fish, 96)	9640, 10,400 & 11,130mg/liter (Pimephelas promelas), 4200mg/liter (Rasbora heteromorpha)
LC ₅₀ (Crustacea, 48)	1100 & 1400mg/l (Crangon crangon), 13,300mg/liter (Daphnia magna)
EC ₅₀ (Algae, 96hr)	1000mg/l (Scenedesmus subspicatus)
LC ₅₀ (Microorganisms)	1050 & 5175mg/l (Pseudomonas putida), 41,676mg/liter (“activated sludge, domestic sewage”)

2-Butoxyethanol:

Bioaccumulation	rapidly eliminated from the body, cannot bioaccumulate; biological ½-life <48hr
Biodegradation	biodegrades readily & rapidly in the presence of oxygen; 75%-100% in 20-28 days
Abiotic Degradation	reacts with atmospheric hydroxyl radicals; estimated ½-life in air 16 hours
Mobility in soil, water	water soluble; moves readily & rapidly in soil and water
Aquatic Toxicity	
LC ₅₀ (Fish, 96hr)	1490 & 2950mg/liter (Lepomis macrochirus), 1250mg/liter (Menidia beryllina),
EC ₅₀ (Crustacea, 24hr)	1700-1940 & 5000mg/liter (Daphnia magna), 600-1000mg/liter (Crangon crangon, 48hr)
EC ₅₀ (Algae)	35mg/liter (Microcystis aeruginosa), 900mg/liter (Scenedesmus quadricauda)
EC ₅₀ (Bacteria)	911mg/liter (Chilomonas paramecium), 700mg/liter (Pseudomonas putida)

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13. DISPOSAL CONSIDERATIONS

- Waste Disposal **do not flush to sewer**; may be incinerated in approved facility with flue gas monitoring & scrubbing, mix with a suitable flammable waste before incineration
- Containers **Drums** should be reused. Recondition and pressure test by a licensed reconditioner prior to re-use.
Pails must be vented and thoroughly dried prior to crushing and recycling.
IBCs (intermediate bulk containers): polyethylene bottle must be pressure tested & recertified at 30 months. Replace at 60 months (5 years). Steel containers must be inspected, pressure tested & recertified every 5 years.
Warning: never cut, drill, weld or grind on or near this container, even if empty.

14. TRANSPORT INFORMATION**USA 49 CFR & Canada/International TDG**

Product Identification Number	UN – not regulated for transport
Shipping Name	not regulated for transport
Classification	not regulated for transport
Marine Pollution	not a marine pollutant
ERAP Required	No

15. REGULATIONS

Canada DSL	on inventory
U.S.A. TSCA	on inventory
Europe EINECS	on inventory

16. OTHER INFORMATION

Date of Preparation	March 2015
Date of Revision	-
Prepared for Memco	

With data from the Registry of Toxic Effects of Chemical Substances (RTECS), Hazardous Substance Data Base (HSDB), Cheminfo (CCOHS), OSHA, IUCLID Datasheets (European Chemical Substance Information System - ESIS), & others sources (below if used), as required/available

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EMERGENCY INFORMATION: INFOTRAC 1-800-535-5053

Date Issued: 4/17/2015

SECTION 1: IDENTIFICATION OF THE PREPARATION AND THE COMPANY

PRODUCT NAME: Bowl Blocks (Cherry)

RECOMMENDED USE: Deodorizer

RESTRICTIONS ON USE: For intended use only

Supplier:

Hillyard
302 North 4th Street
St Joseph
MO 64501
USA

TELEPHONE: +1-816-232-1321

FAX: +1-816-383-8485

EMERGENCY CONTACT (spill/release): 800-424-9300

ITEM NUMBER: HIL15038

Section 2: HAZARDS IDENTIFICATION

General: Contains small amounts of chemicals that are hazardous to health and the environment but in quantities too small to constitute any practical risks to health or the environment.



WARNING

Risk Phrases: R22: Harmful if swallowed.

Safety Phrases: S2: Keep out of the reach of children.
S37: Wear suitable gloves.

Hazard Phrases: H313: May be harmful in contact with skin.
H351: Suspected of causing cancer.
H410: Very toxic to aquatic life with long lasting effects.

Precautionary Phrases: P264: Wash hands thoroughly after handling.
P280: Use personal protective equipment as required.
P301+P310: If swallowed, call physician.
P302+ P352: If on skin, wash with plenty of water.
P332+P313: If rash occurs, seek medical attention.
P305+P351+P338: If in eyes remove contact lenses if present and rinse continuousl
P501: Dispose of contents to an approved waste disposal plant.

SECTION 3: INGREDIENT INFORMATION

Chemical Identification: Crystalline solid

Form/Shape: Para super block comes in various shapes and sizes.

CAS Number: Not applicable since the product is a preparation.

EINECS/ELINCS #: Not applicable since the product is a preparation.

The product is a complex mixture of substances of which the following have been classified as presenting a health or environmental hazard or as having an occupational exposure limit within the meaning of the Directive 67/548/EEC or 1999/45/EC

Level (%)	CAS Nr	EC Nr	Substance	Hazard Classification	
				(Dir. 67/548/CE)	(Reg. CE 1272/2008)
99%	106-46-7	203-400-5	p-Dichlorobenzene	R22	H313 H351 H410

SECTION 4: FIRST AID MEASURES

General: No specific acute effects or symptoms are known.

Inhalation: No acute effects expected. If person is feeling unwell, remove to fresh air.

Ingestion: Possibility of ingestion limited due to product form and difficulty to chew and ingest. In the event of ingestion, rinse mouth thoroughly with water.

Skin: Wash off with soap and water.

Eyes: Possibility of eye contact limited. In the event, wash thoroughly with water or approved eyewash.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing Media: Use extinguishing media appropriate for the surrounding fire. Water spray, fog or mist. Dry chemicals, sand etc.

Exposure Hazards : Thermal decomposition or burning may release a variety of products ranging from simple hydrocarbons to toxic/irritating gases including carbon monoxide and carbon dioxide. Full protective clothing should be worn before a confined fire space is entered. Self-contained breathing apparatus should be worn.

SECTION 6: ACCIDENTAL RELEASE MEASURES

No special requirements for accidental release required. Apply good housekeeping practices.

SECTION 7: HANDLING AND STORAGE

Usage Precautions: Follow normal good-housekeeping practices. Keep away from direct flames.

Storage Precautions: Keep in cool, dry conditions in original containers at no more than 30° C

SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

Occupational Exposure limit: Not Established

Respiratory Protection: None required under normal usage

Protection: Although unexpected, avoid prolonged skin contact. Use chemically resistant gloves as needed.

Eye Protection: None required

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Crystalline Solid in various shapes and sizes

Odor: Cherry

Odor Threshold: Not determined

Color: Various Color

pH value: Not determined/applicable

Melting Pt: Estimated 60° C

Boiling Pt: Not applicable.

Flash pt: Not applicable.
Evaporation Rate: Not applicable.
Flammability: Not determined/applicable
UEL: Not determined
LEL: Not determined
Vapor Pressure: Not determined/applicable
Vapor Density: Not determined/applicable
Relative Density: Not determined
Solubility in water: Insoluble.
Partition Coefficient: Not determined
Autii gnition Temperature: Not applicable
Decomposition Temperature: Not determined/applicable

SECTION 10: STABILITY AND REACTIVITY

Stability: Normally stable.
Conditions to avoid: Avoid extreme heat and naked flames.
Materials to avoid: Strong oxidizing agents.
Decomposition Products: None under normal storage conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Effects: Ingredients include a small quantity of volatile chemicals which may contain small amounts of substances that are harmful if swallowed and/or irritating to the eyes and skin.

Chronic Effects: None are known.

Health Risks:

INHALATION: Prolonged exposure to volatile ingredients is unlikely to cause irritation or other adverse health effects.

INGESTION: No practical risk of adverse health effects.

SKIN CONTACT: No practical risk of adverse health effects.

EYE CONTACT: No practical risk of adverse health effects.

SECTION 12: ECOLOGICAL INFORMATION

No specific information has been established regarding the product. However according to the conventional method of Directive 99/45/EC the product is classified as harmful to aquatic organisms, or causing long-term effects in the aquatic environment.

Ecotoxicity: N/A

Persistence and Degradability: N/A

Bioaccumulative Potential: N/A

Mobility in Soil: N/A

Other Adverse Effects: N/A

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with Local Authority requirements e.g., for used product, as household waste

SECTION 14: TRANSPORT INFORMATION

Product is not regulated as hazardous

DOT Classifications: Non Hazardous

UN-Number: N/A

UN Proper Shipping Name: N/A

Transport Hazard Class: N/A
Packing group: N/A
Marine Pollutant: N/A
Special Precautions with Transport: N/A

SECTION 15: REGULATORY INFORMATION

Classification, Packaging and Labeling according to Directive 99/45/EC

Signal word:

WARNING

Pictograms:

Environment
Exclamation mark
Health hazard

Risk Phrases: R22: Harmful if swallowed.

Safety Phrases: S2: Keep out of the reach of children.
S37: Wear suitable gloves.

Hazard Phrases: H313: May be harmful in contact with skin.
H351: Suspected of causing cancer.
H410: Very toxic to aquatic life with long lasting effects.

SECTION 16: OTHER INFORMATION

This product safety data sheet has been prepared according to the Chemicals (Hazard Information and Packaging for Supply) Regulations 2009.

The information given is based on data currently available and is believed to be correct. No warranty is expressed or implied regarding the accuracy of these data or from the results of the use thereof. No responsibility is assumed for injury from the use of the product described herein.