



# Safety Data Sheet

Issue Date: 01-Mar-2009

Revision Date: 06-Dec-2017

Version 2

## 1. IDENTIFICATION

### Product Identifier

**Product Name** NAPCO Retarder

### Other means of identification

**SDS #** NAP00034

**UN/ID No** NA1993

### Recommended use of the chemical and restrictions on use

**Recommended Use** Used for kitchen and bath refinishing.

### Details of the supplier of the safety data sheet

#### **Supplier Address**

North America Polymer Company, Ltd.  
7315 Hamlin Ave  
Skokie, IL 60076 USA

### Emergency Telephone Number

**Company Phone Number** 800-888-1081 / 847-779-6464  
**Emergency Telephone (24 hr)** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

**Appearance** Clear liquid

**Physical state** Liquid

**Odor** strong organic

### Classification

Acute toxicity - Dermal	Category 4
Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Flammable Liquids	Category 4

### Signal Word

**Warning**

### Hazard statements

Harmful in contact with skin  
Harmful if inhaled  
Combustible liquid



**Precautionary Statements - Prevention**

Wear protective gloves/protective clothing/eye protection/face protection  
 Avoid breathing dust/fume/gas/mist/vapors/spray  
 Use only outdoors or in a well-ventilated area

**Precautionary Statements - Response**

IF ON SKIN: Wash with plenty of water and soap  
 Call a poison center or doctor/physician if you feel unwell  
 Wash contaminated clothing before reuse  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
 Call a poison center or doctor/physician if you feel unwell

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Other hazards**

Harmful to aquatic life with long lasting effects

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%
Butoxyethyl acetate	112-07-2	>95

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

### 4. FIRST AID MEASURES

**First Aid Measures**

<b>General Advice</b>	If exposed or concerned: Get medical advice/attention.
<b>Eye Contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek immediate medical attention if adverse effect occurs.
<b>Skin Contact</b>	Wash off immediately with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse. If irritation persists or feeling unwell, obtain medical advice.
<b>Inhalation</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If necessary, use artificial respiration to support vital functions. Call a physician if you feel unwell.
<b>Ingestion</b>	Do NOT induce vomiting. Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

**Most important symptoms and effects**

<b>Symptoms</b>	Harmful if inhaled. Harmful in contact with skin. May be harmful if swallowed. Contact may cause irritation and redness. May be absorbed through the skin with possible systemic effects. May cause gastrointestinal irritation, nausea, diarrhea, and vomiting. May cause abnormal liver function as detected by laboratory tests. May cause damage to the liver, kidneys, lymphoid system, blood and blood-forming organs.
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**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Alcohol resistant foam.

**Unsuitable Extinguishing Media** Not determined.

**Specific Hazards Arising from the Chemical**

Combustible liquid. Sealed containers may rupture when heated. Vapor mixtures are explosive above the flash point. Vapors may travel to source of ignition and flash back.

**Hazardous Combustion Products** Carbon oxides.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

**Personal Precautions** Ventilate affected area. Remove all sources of ignition. Wear protective clothing as described in Section 8 of this safety data sheet.

**For Emergency Responders** Isolate hazard area. Evacuate unprotected personnel from area.

**Environmental precautions**

**Environmental precautions** Do not flush into surface water or sanitary sewer system. See Section 12 for additional Ecological Information.

**Methods and material for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Clean-Up** Recover free liquid. Collect spillage. Use only non-sparking tools. Take up with sand, earth or other non-combustible absorbent material.

**7. HANDLING AND STORAGE****Precautions for safe handling**

**Advice on Safe Handling** Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use personal protection recommended in Section 8. Use only in well-ventilated areas. Avoid breathing vapors or mists. Containers, even those that have been emptied, can contain vapors. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Protect from direct sunlight. Store away from incompatible materials. Store separately from reactive or combustible materials. Store locked up.

**Incompatible Materials** Strong oxidizing agents. Strong bases.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Butoxyethyl acetate 112-07-2	TWA: 20 ppm	-	TWA: 5 ppm TWA: 33 mg/m <sup>3</sup>

**Appropriate engineering controls**

**Engineering Controls** Ventilation must be adequate to maintain the ambient workplace atmosphere below the exposure limit(s) outlined in the SDS. Eye wash fountain should be located in immediate work area.

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** Splash goggles or safety glasses. Refer to 29 CFR 1910.133 for eye and face protection regulations.

**Skin and Body Protection** Wear chemical resistant, impervious gloves for routine industrial use. Use body protection appropriate for task. An apron or other impermeable body protection is suggested. Full-body chemical protective clothing is recommended for emergency response procedures. Refer to 29 CFR 1910.138 for appropriate skin and body protection.

**Respiratory Protection** If respiratory protection is needed, use only protection authorized in the U.S. Federal OSHA Standard (29CFR 1910.134), applicable U.S. State regulations, or the Canadian CSA Standard Z94.4-93 and applicable standards of Canadian Provinces. Oxygen levels below 19.5% are considered IDLH by OSHA. In such atmospheres, use of a full-facepiece pressure/demand SCBA or a full facepiece, supplied air respirator with auxiliary self-contained air supply is required under OSHA's Respiratory Protection Standard (1910.134-1998).

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

<b>Physical state</b>	Liquid	<b>Odor</b>	strong organic
<b>Appearance</b>	Clear liquid	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Clear		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	3-5	
Melting Point/Freezing Point	Not determined	
Boiling Point/Boiling Range	190 °C 374 °F	
Flash Point	71 °C 160 °F	
Evaporation Rate	Not determined	
Flammability (Solid, Gas)	Not determined	
Flammability Limits in Air		
Upper Flammability Limits	8.54	
Lower Flammability Limit	0.88	
Vapor Pressure	0.02 mmHg	@ 20 C
Vapor Density	Not determined	
Relative Density	0.943	
Water Solubility	Partially soluble	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	

<b>Auto-ignition Temperature</b>	340 °C 644 °F
<b>Decomposition Temperature</b>	Not determined
<b>Kinematic Viscosity</b>	Not determined
<b>Dynamic Viscosity</b>	Not determined
<b>Explosive Properties</b>	Not determined
<b>Oxidizing Properties</b>	Not determined

**10. STABILITY AND REACTIVITY**

**Reactivity**

Not reactive under normal conditions.

**Chemical Stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Conditions to Avoid**

Heat, flames and sparks. Incompatible Materials.

**Incompatible Materials**

Strong oxidizing agents. Strong bases.

**Hazardous Decomposition Products**

Thermal decomposition may produce oxides of carbon.

**11. TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

**Product Information**

**Eye Contact**

May cause temporary irritation on eye contact.

**Skin Contact**

Harmful in contact with skin.

**Inhalation**

Harmful if inhaled. May cause irritation of respiratory tract.

**Ingestion**

May be harmful if swallowed. Accidental ingestion may cause nausea, gastrointestinal tract irritation, and other systemic effects.

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Butoxyethyl acetate 112-07-2	= 2400 mg/kg ( Rat )	= 1500 mg/kg ( Rabbit )	> 400 ppm ( Rat ) 4 h

**Information on physical, chemical and toxicological effects**

**Symptoms**

Contact will cause irritation and redness to exposed areas. May be absorbed through the skin with possible systemic effects. May cause irritation to the gastro-intestinal tract. May cause central nervous system effects.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Carcinogenicity**

The table below indicates whether each agency has listed any ingredient as a carcinogen. However, the product as a whole has not been tested.

Chemical Name	ACGIH	IARC	NTP	OSHA
Butoxyethyl acetate 112-07-2	A3			

**Legend**

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

**Numerical measures of toxicity**

The following values are calculated based on chapter 3.1 of the GHS document .

ATEmix (oral) 2,526.00 mg/kg

ATEmix (dermal) 1,579.00 mg/kg

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

Harmful to aquatic life with long lasting effects.

**Component Information**

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Butoxyethyl acetate 112-07-2	500: 72 h Desmodesmus subspicatus mg/L EC50		37: 48 h Daphnia magna mg/L EC50

**Persistence/Degradability**

When released into the soil, this material is expected to leach into groundwater. When released into the soil, this material may evaporate to a moderate extent. When released into water, this material may evaporate to a moderate extent. When released into the air, this material may be moderately degraded by reaction with photochemically produced hydroxyl radicals.

**Bioaccumulation**

This material has an estimated bioconcentration factor (BCF) of less than 100.

**Mobility**

Chemical Name	Partition Coefficient
Butoxyethyl acetate 112-07-2	1.51

**Other Adverse Effects**

Not determined

**13. DISPOSAL CONSIDERATIONS**

**Waste Treatment Methods**

**Disposal of Wastes**

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

**Contaminated Packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**14. TRANSPORT INFORMATION**

**Note** DOT Ground - "Non-bulk shipments may be non-regulated per 49CFR 173.150(f)(2)".

**DOT**  
**UN/ID No** NA1993  
**Proper Shipping Name** Combustible liquid, n.o.s. (butoxyethyl acetate)  
**Hazard Class** Comb liq  
**Packing Group** III

**IATA** Not regulated

**IMDG** Not regulated

**15. REGULATORY INFORMATION**

**International Inventories**

Chemical Name	TSCA	DSL/NDSL	EINECS/E LINC S	ENCS	IECSC	KECL	PICCS	AICS
Butoxyethyl acetate	X	X	X	Present	X	Present	X	X

**Legend:**

- TSCA* - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL* - Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINC S* - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- ENCS* - Japan Existing and New Chemical Substances
- IECSC* - China Inventory of Existing Chemical Substances
- KECL* - Korean Existing and Evaluated Chemical Substances
- PICCS* - Philippines Inventory of Chemicals and Chemical Substances
- AICS* - Australian Inventory of Chemical Substances

**US Federal Regulations**

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

**SARA 311/312 Hazard Categories**

**Acute Health Hazard** Yes  
**Chronic Health Hazard** Yes  
**Fire Hazard** Yes  
**Sudden Release of Pressure Hazard** No  
**Reactive Hazard** No

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	CAS No.	Weight-%	SARA 313 - Threshold Values %
Butoxyethyl acetate - 112-07-2	112-07-2	>95	1.0

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Butoxyethyl acetate 112-07-2	X		X

**16. OTHER INFORMATION**

<b><u>NFPA</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>	<b>Special Hazards</b>
	2	2	0	Not determined
<b><u>HMIS</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical hazards</b>	<b>Personal Protection</b>
	Not determined	Not determined	Not determined	Not determined

Issue Date: 01-Mar-2009  
 Revision Date: 06-Dec-2017  
 Revision Note: Regulatory update Section 2 update

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**