

BÖTTCHER N-1004 G

ADDITIVE FOR COLDSET PRINTING

SECTION 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer: **Böttcher America, Inc.** Product Name: **BÖTTCHER N-1004 G**
 Böttcher America, Inc., 4600 Mercedes Drive, Belcamp, MD 21017
 Product Number: **805972** Date Prepared: 06-21-2010
 Catalog Number: **803094, 805965, 803082**
 Revision 1.0
Customer Information Phone Number: 1-734-426-4646
CHEMTREC®: 24 Hour Emergency Transport Phone Number: 1-800-424-9300
3E COMPANY: 24 Hour Medical Emergency Phone Number: 1-800-451-8346

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS	OHSA PEL	ACGIH TLV	Weight %
Glycerine	56-81-5	5 mg/m ³ (respirable fraction) (mist)	10 mg/m ³ (mist)	15-20
Dipropylene Glycol Monobutyl Ether	112-34-5	N.E.	N.E.	1-3
Sodium Phosphate (Dibasic)	7558-79-4	N.E.	N.E.	1-3
Gum Arabic	9000-01-5	N.E.	N.E.	<2

SECTION 3. HAZARDOUS IDENTIFICATION

Emergency Overview: **Warning!**

POTENTIAL HEALTH EFFECTS

- Eye Contact** : May cause moderate to severe irritation. Eye contact may provoke the following symptoms: Stinging or burning sensation, swelling, redness and watering.
- Inhalation** : May cause irritation to the nose, throat and upper respiratory tract. May be absorbed following inhalation, and cause additional symptoms similar to those listed for ingestion.
- Ingestion** : May cause irritation of the mouth, throat, and stomach. Symptoms may include pain, headache, nausea, vomiting, dizziness, drowsiness and other central nervous system effects. Could cause cyanosis (bluish discoloration of the skin due to deficient oxygenation of the blood).
- Skin Contact** : May cause mild skin irritation.

Effects of long-term (chronic) exposure

- : Prolonged or repeated skin contact may cause drying and irritation. Repeated or prolonged exposure may result in kidney effects.

Conditions aggravated by overexposure

- : Pre-existing skin, eye and respiratory disorders.

Hazardous combustion products

: Carbon oxides; nitrogen oxides (NO_x); Hydrogen bromide; formaldehyde; Bromine; Acrolein; Phosphorus compounds.

NFPA Rating: 0 - Minimal 1 - Slight 2 - Moderate 3 - Serious 4 - Severe
:Health 1 : Flammability: 1 Instability:0 Special Hazards: None

SECTION 6. ACCIDENTAL RELEASE MEASURES**Personal precautions**

: Restrict access to area until completion of clean-up. Ensure clean-up is conducted by trained personnel only. Individuals involved in the cleanup must wear appropriate personal protective equipment. For personal protection see section 8.

Environmental precautions

: Ensure spilled product does not enter drains, sewers, waterways, or confined spaces. For large spills, dike the area to prevent spreading. Contains biocide which is toxic to aquatic organisms.

Spill response/cleanup

: Remove all sources of ignition. Ventilate area of release. Stop the spill at source if it is safe to do so. Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand), then place absorbent material into a container for later disposal (see Section 13). Notify the appropriate authorities as required.

Prohibited materials

: None known.

Special spill response procedures

: In case of a transportation accident, in the United States contact CHEMTREC At 1-800-424-9300 or International at 1-703-527-3887. If a spill/release in excess of the EPA reportable quantity is made into the environment, immediately notify the national response center in the United States (phone: 1-800-424-8002). US CERCLA Reportable quantity (RQ): None

SECTION 7 - HANDLING AND STORAGE**Safe Handling procedures**

: Use only in well-ventilated areas. Wear suitable protective equipment during handling. Avoid breathing vapors. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Keep away from heat, sparks, and open flames. Avoid contact with incompatible materials. Keep containers tightly closed when not in use.

Storage requirements

: Store in a cool, dry, well-ventilated area. Store away from incompatible materials.

Incompatible materials

: Strong oxidizers

Special packaging materials

: Always keep in containers made of the same materials as the supply container.

SECTION 8. EXPOSURE CONTROL / PERSONAL PROTECTION

Ventilation and engineering measures

: Ensure adequate ventilation, especially in confined areas. Use general or Local exhaust ventilation to maintain air concentrations below recommended Exposure limits.

Respiratory protection

: Respiratory protection is required if the concentrations exceed the TLV. NIOSH-approved respirators are recommended. Advice should be sought from respiratory protection specialists.

Skin protection

: Chemical resistant gloves are recommended.

Eye / face protection

: Chemical splash goggles are recommended. A full face shield may also be necessary.

Other protective equipment

: Wear sufficient clothing to prevent skin contact. An eyewash station and safety shower should be made available in the immediate working area.

General hygiene considerations

: Avoid breathing vapor or mist. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product. Upon completion of work, wash hands before eating, drinking, smoking or use of toilet facilities. Remove soiled clothing and wash it thoroughly before reuse.

Permissible exposure levels: For individual ingredient exposure levels, see Section 2.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid

Appearance: Opaque

Odor: characteristic

Odor threshold: N.E.

pH: 4.6

Boiling point: > 212°F

Specific gravity: 1.1 @ 25°C

Melting/Freezing point: N.E.

Coefficient of water/oil distribution: N.E.

Vapor pressure (mmHg @ 20° C / 68° F): N.E.

Solubility in water: Miscible

Vapor density (Air = 1): N.E.

Evaporation rate (n-Butyl acetate = 1): N.E.

Volatile Organic Compounds (VOC's) 27.2 g/L or 2.5 % or 0.23 lb. /gal.

Volatiles (% by weight): 68.2%

Pounds per Gallon: 9.16

SECTION 10. STABILITY AND REACTIVITY

Stability and reactivity

: Stable under the recommended storage and handling conditions prescribed.

Hazardous polymerization

: Hazardous polymerization does not occur.

Conditions to avoid

: Keep away from excessive heat, open flames, sparks and other possible sources of ignition. Avoid contact with incompatible materials.

Materials To Avoid And Incompatibility

: Incompatible materials (see Section 7).

Hazardous decomposition products

: None known, refer to hazardous combustion products in Section 5.

SECTION 11. TOXICOLOGICAL INFORMATION***Acute Toxicity for Glycerol Cas # 56-81-5*****Ingestion**

Oral LD50 value: Rat >12,600 mg/kg

Skin Absorption

Dermal LD50 value: Rabbit > 23,000 mg/kg

Inhalation

Inhalation LC50 value: Rat Not available

Acute Toxicity for Diethylene Glycol Monobutyl Etherl Cas # 112-34-5**Ingestion**

Oral LD50 value: Rat 5660 mg/kg

Skin Absorption

Dermal LD50 value: Rabbit 2700 mg/kg

Inhalation

Inhalation LC50 value: Rat Not available

Acute Toxicity for Sodium phosphate (dibasic) Cas # 7558-79-4**Ingestion**

Oral LD50 value: Rat >12,930 mg/kg

Skin Absorption

Dermal LD50 value: Not available

Inhalation

Inhalation LC50 value: Rat Not available

Carcinogenic status

: No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.

Reproductive effects

: Not expected to have other reproductive effects.

Teratogenicity

: Not expected to be a teratogen.

Mutagenicity

: Not expected to be mutagenic in humans.

Epidemiology

: Not available.

Sensitization to material

: Not expected to be a skin or respiratory sensitizer.

Synergistic materials

: Not available.

Irritancy : Mild skin irritant. Moderate to severe eye irritant.
Other important hazards : CNS depression may result from extreme exposures. The ecological characteristics of this product have not been fully investigated. The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters.

SECTION 12. ECOLOGICAL INFORMATION

Environmental effects : The ecological characteristics of this product have not been fully investigated. The product should not be allowed to enter drains or water courses, or be deposited where it can affect ground or surface waters.
Important environmental characteristics : No information available.
Ecotoxicological : No data is available on the product itself.

SECTION 13. DISPOSAL CONSIDERATIONS

Handling for Disposal : See Section 7 (Handling and Storage) for further details. Empty containers retain residue (liquid and/or vapor) and can be dangerous. Do not cut, weld, drill or grind on or near this container.
Methods of Disposal : Dispose in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules.
RCRA : If this product, as supplied, becomes a waste in the United States, it may meet the criteria of a hazardous waste as defined under RCRA, Title 40 CFR 261. It is the responsibility of the waste generator to determine the proper waste identification and disposal method.

SECTION 14. TRANSPORT INFORMATION

This product is not defined under USDOT, IMDG, or ICAO/IATA regulations as a hazardous material.

DOT Class: Not Regulated
Hazard Class: Not Applicable
UN No.: Not Applicable
Packing Group:

SECTION 15. REGULATORY INFORMATION

US Federal Information:

TSCA: All listed ingredients appear on the Toxic Substances Control Act (TSCA) inventory.

CERCLA Reportable Quantity (RQ) (40 CFR 117.302): None reported.

SARA TITLE III: Sec. 302, Extremely Hazardous Substances, 40CFR 355: No Extremely Hazardous Substances are present in this material.

SARA TITLE III: Sec. 311 and 312, MSDS Requirements, 40 CFR 370 Hazard Classes: Immediate (Acute) health hazard; Chronic Health Hazard. Under SARA Sections 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500 pounds for the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.

SARA TITLE III: Sec. 313, Toxic Chemicals Notification, 40CFR 372: This material is not subject to SARA notification requirements, since it does not contain any Toxic Chemical constituents above de minimus concentrations.

US State Right to Know Laws:

New Jersey Labeling Requirements: This product contains the following substances required to be disclosed on product labeling: Glycerin (CAS # 56-81-5; 10 - 20%); Diethylene glycol monobutyl ether (CAS # 112-34-5; 1 - 3%); Sodium phosphate (CAS # 7558-79-4; 1 - 3%); Bronopol (CAS # 52-51-7; < 1%).

California Proposition 65: To the best of our knowledge, this product does not contain any chemicals known to the State of California to cause cancer or reproductive harm.

Other U.S. State "Right to Know" Lists: The following chemicals are specifically listed by individual States: Glycerine (MA, MN, PA, and RI).

International Information:

Canadian WHMIS Classification:

Class D2B (Materials Causing Other Toxic Effects, Toxic Material).

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

SCAQMD Rule 443.1

Photochemically Reactive: No
Maximum Grams of VOC per Liter: 27.2 gm/L
Vapor Pressure: N.E. mm Hg@ 20 °C

16. OTHER INFORMATION (HMIS)

Health: 1*
Flammability: 1
Reactivity: 0
Protective: C

OTHER ADDITIONAL INFORMATION: The information contained herein is based on the data available to us and is believed to be accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for the injuries from the use of the product described herein.