

TAK
FYI

Thomas & Betts Corporation
Electrical Division
260 Dennis Street
Athens, Tennessee 37303
(423) 745-6588
Facsimile (423) 745-9545

2013 DEC 10 PM 3: 52

Thomas&Betts

State of Tennessee
Department of Environment and Conservation
Division of Air Pollution Control
William R. Snodgrass Tennessee Tower
312 Rosa L. Parks Avenue, 15th Floor
Nashville, TN 37243
Attn: Barry Stevens

12-5-13

Re: Permit Number 060616P
Expiration Date 7-1-2016

This letter is to inform you that the emission source reference number 54-0047-08, Electroplating Line Dip Tanks with a Wet Packed Bed Scrubber permitted by Permit Number 060616P will still be using a 10% Ethylene Glycol Monobutyl Ether solution, but the trade name has changed. The old trade name was ZPB-20 Brightener and the new trade name will be Colsid NA-II O. This is strictly only a trade name change and not a chemical formulation change. The chemical formulation will remain the same. Enclosed is a copy of both Material Safety Data Sheets for your review.

If you need additional information or have questions, you may contact me at (423) 745-6588 Ext. 309 or email joseph.mccall@tnb.com.

Sincerely,



Joe McCall
Environmental Compliance Officer for Thomas & Betts, Athens

Cc: State of Tennessee Department of Environment and Conservation
Division of Air Pollution Control
Attn: Don Davis
540 McCallie Ave.
Suite 550, 5th Floor
Chattanooga, TN 37402-2013

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COLUMBIA CHEMICAL CORPORATION
3097 INTERSTATE PARKWAY
BRUNSWICK, OHIO 44212
330-225-3200

MATERIAL SAFETY DATA SHEET

ISSUED: 9/15/04

NAME USED ON LABEL: ZPB-20 BRIGHTENER
CHEMICAL NAME: N/A
CHEMICAL FAMILY: PLATING CHEMICAL
FORMULA: PROPRIETARY

INGREDIENTS

IDENTITY	CAS NO.	%	TLV
BLEND OF SURFACTANTS, AROMATIC ALDEHYDE AND AMINES	T.S.	T.S.	N/E
ETHYLENE GLYCOL MONOBUTYL ETHER	111-76-2	10	50 PPM ACGIH (SKIN OSHA)

ALL INGREDIENTS LISTED ARE ON THE TSCA INVENTORY

PHYSICAL DATA

BOILING POINT: N/A	FREEZING POINT: N/A
SPECIFIC GRAVITY @22 DEG. C: 1.02	VAPOR PRESSURE @20 DEG. C: N/A
VAPOR DENSITY: N/A	SOLUBILITY IN WATER: COMPLETE
% VOLATILES: N/A	EVAPORATION RATE: N/A
MOLECULAR WEIGHT: N/A	OTHER:
APPEARANCE AND ODOR: YELLOW, PUNGENT LIQUID	

FIRE AND EXPLOSION DATA

FLASH POINT (TEST METHOD)	AUTOIGNITION TEMP.	FLAMMABLE LIMITS
NONE	NONE	LEL=N/A UEL=N/A
EXTINGUISHING MEDIA: WATER SPRAY AND CARBON DIOXIDE		
SPECIAL FIRE FIGHTING PROCEDURES: AVOID EYE AND SKIN CONTACT. DO NOT BREATH FUMES		

N/E = NOT ESTABLISHED

N/A = NOT APPLICABLE

T.S. = TRADE SECRET

MATERIAL SAFETY DATA SHEET

NAME USED ON LABEL: ZPB-20 BRIGHTENER

ENVIRONMENTAL INFORMATION

SPILL RESPONSE: MAY BE HAZARDOUS TO AQUATIC LIFE IF RELEASED TO OPEN WATERS. IN CASE OF SPILL, COVER SPILL WITH ABSORBENT. CAREFULLY SWEEP UP MATERIAL AND TRANSFER TO A SUITABLE CONTAINER (LINED STEEL DRUM) FOR DISPOSAL. AFTER SWEEPING, FLUSH AREA WHERE SPILL OCCURRED WITH WATER. CONTAIN WATER RESIDUE MIXTURE FOR DISPOSAL.

RECOMMENDED DISPOSAL: WASTE MATERIAL CAN BE INCINERATED UNDER CONDITIONS WHICH MEET FEDERAL, STATE AND LOCAL REGULATIONS.

HEALTH HAZARD DATA

EYE CONTACT: IRRITANT

SKIN CONTACT: IRRITANT

INHALATION: IRRITANT

SUGGESTED FIRST AID:

EYES: IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH FLOWING WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION.

SKIN: FLUSH EXPOSED AREA WITH WATER WHILE REMOVING CONTAMINATED CLOTHING. WASH AREAS THOROUGHLY WITH SOAP AND WATER.

INHALATION: MOVE EXPOSED INDIVIDUAL TO FRESH AIR. GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED.

INGESTION: NEVER GIVE FLUIDS OR INDUCE VOMITING IF PATIENT IS UNCONSCIOUS OR HAVING CONVULSIONS. CALL PHYSICIAN.

REACTIVITY DATA

STABILITY: STABLE

CONDITIONS TO AVOID: NONE

INCOMPATIBILITY (MATERIALS TO AVOID): OXIDIZING AGENTS

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

HAZARDOUS DECOMPOSITION PRODUCTS: NONE

MATERIAL SAFETY DATA SHEET

NAME USED ON LABEL: ZPB-20 BRIGHTENER

SPECIAL PROTECTION INFORMATION

VENTILATION: LOCAL AND GENERAL EXHAUST ARE RECOMMENDED.
RESPIRATORY PROTECTION: NOT REQUIRED.
EYE AND FACE PROTECTION: CHEMICAL WORKERS GOGGLES.
OTHER CLOTHING AND EQUIPMENT: RUBBER OR PVC GLOVES AND PROTECTIVE CLOTHING. AN
EYEWASH EMERGENCY SHOWER SHOULD BE AVAILABLE. USE FRESH CLOTHING DAILY. TAKE
HOT SHOWER AFTER WORK USING PLENTY OF SOAP. LAUNDER CONTAMINATED CLOTHING
BEFORE REUSE.

SPECIAL PRECAUTIONS

PRECAUTIONARY LABEL INFORMATION: NONE

STORAGE AND HANDLING: STORE AWAY FROM OXIDIZING AGENTS

TRANSPORTATION

DEPARTMENT OF TRANSPORTATION (DOT)

SHIPPING DESIGNATION: NOT REGULATED

ADDITIONAL INFORMATION

HMIG RATINGS

HEALTH: 1
FLAMM: 0
REACT: 0
PPE: D

COMPONENTS OF THIS PRODUCT WHICH APPEAR IN THE INGREDIENTS SECTION OF THIS MSDS
ARE IDENTIFIED BELOW IF THEY ARE PRESENT IN EXCESS OF DE MINIMUMS REPORTING LEVELS.
COMPONENTS WHICH ARE NOT REQUIRED TO BE IDENTIFIED BY SPECIFIC CHEMICAL NAME MAY
HAVE A GENERIC DESCRIPTION.

SARA TITLE III SECTION 302 EXTREMELY HAZARDOUS SUBSTANCE(S): NONE

SARA TITLE III SECTION 313 TOXIC CHEMICALS: NONE

MATERIAL SAFETY DATA SHEET

Revision Date: March 20, 2012

HEALTH	1
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	D

1: COMPANY AND PRODUCTION INFORMATION

Product Description: COLSID NA-II O

PREPARED BY:
COLUMBIA CHEMICAL CORP.
1000 WESTERN DRIVE
BRUNSWICK, OH 44212

Product Number: 421210

Emergency Phone numbers (USA and CA): (800) 255-3924
(CHEM-TEL 24 hour service) Worldwide : (813)-248-0585

2: HAZARDOUS INGREDIENTS

INGREDIENT	CAS NUMBER	WT %	ACGIH - TLV	OSHA - PEL
ORGANIC SOLVENT	T.S.	<10%	24 mg/m3	240 mg/m3
ALIPHATIC AMINE	T.S.	<5%	8 mg/m3	6 mg/m3
AROMATIC ALDEHYDE	T.S.	<10%	N/A	N/A

3: HAZARDS IDENTIFICATION

EYE CONTACT: May cause serious damage to the eyes.

SKIN CONTACT: May cause severe burns. Symptoms might include pain, redness, and tissue damage.

INHALATION: Dust or mist may cause irritation to the mucous membranes.

INGESTION: Possible irritation to mouth, throat and esophagus

CHRONIC/ACUTE EXPOSURE: Chronic asthmatic bronchitis may result from repeated exposure.

4: FIRST AID MEASURES

EYE CONTACT: Immediately flush eyes with flowing water for at least thirty (30) minutes. Call 911 or emergency medical service immediately.

SKIN CONTACT: Flush exposed area with running water for at least thirty (30) minutes. Remove and isolate contaminated clothing. Get medical attention.

INHALATION: Move exposed individual to fresh air. Give oxygen if breathing is difficult. Provide artificial respiration using a mask equipped with a one-way valve if victim is not breathing. Call 911 or emergency medical service.

INGESTION: Provide large quantities of water if victim is conscious and call 911 or emergency medical service immediately. Never give anything by mouth to an unconscious person.

5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Water spray, carbon dioxide, and dry chemical, are all suitable extinguishing media.

SPECIAL FIRE FIGHTING PROCEDURES: In the event of a fire, wear positive pressure self-contained breathing apparatus (SCBA) and chemical protective clothing.

ADDITIONAL INFORMATION: Avoid eye and skin contact. Avoid getting water inside material containers.

6: ACCIDENTAL RELEASE MEASURES

SPILL RESPONSE: May be hazardous to aquatic life if released to open waters. Contain spilled material and ventilate area. Cover spill with absorbent material, carefully sweep up, and transfer to a suitable container for disposal. After sweeping absorbent, flush area where spill occurred with water and repeat procedure until all material is removed.

PERSONAL PRECAUTIONS: Use personal protective equipment as described in section (8) of the MSDS.

ENVIRONMENTAL PRECAUTIONS: Avoid discharge into soil, water or air.

CLEAN-UP/DISPOSAL METHODS: Waste materials may be disposed only under conditions which meet all federal, state and local regulations.

7: HANDLING AND STORAGE

HANDLING INSTRUCTIONS: When handling material, use the personal protective equipment described in section (8) of the MSDS.

STORAGE INSTRUCTIONS: Store in a ventilated, cool, dry area. Keep in sealed containers.

8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE CONTROLS: Maintain employee exposures to levels below the applicable exposure limits.

VENTILATION: Use local or general exhaust to reduce airborne exposures.

RESPIRATORY PROTECTION: To reduce exposure a NIOSH-approved respirator should be used.

HAND PROTECTION: Wear chemical resistant rubber gloves.

EYE PROTECTION: Wear chemical safety glasses

SKIN PROTECTION: Wear protective clothing as appropriate.

OTHER: Launder contaminated clothing before reuse.

9: PHYSICAL AND CHEMICAL PROPERTIES

pH:	10.0 - 12.0	Freezing Point:	N/A
Specific Gravity:	1.015 - 1.040	Boiling Point:	N/A
Appearance:	Clear yellow liquid	Vapor Density:	N/A
Odor:	Pungent Odor	Evaporation Rate:	N/A
Solubility:	Complete in water		

10: STABILITY AND REACTIVITY

STABILITY: Product is stable under normal conditions only. Product may not be stable under heat, moisture, pressure, ventilation or exposure to incompatible or reactive materials.

CONDITIONS TO AVOID: Avoid direct sunlight and heat sources.

MATERIALS TO AVOID: Avoid all inorganic (mineral) acids like hydrochloric acid and phosphoric acid.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of nitrogen, carbon and sulfur.

HAZARDS POLYMERIZATION: Product will not undergo polymerization.

11: TOXICOLOGICAL INFORMATION

Acute Toxicity: Corrosive to eyes and skin. Concentrated solutions can destroy skin on contact. Can cause blindness, skin ulcers, and dermatitis.

Chronic Toxicity: Repeated or long-term exposure may cause some health concerns.

Aquatic Toxicity: Material is toxic to aquatic life.

Carcinogenic Toxicity: None.

12: ECOLOGICAL INFORMATION

BOD:

Biodegradability:

Ecotoxicity: May be considered hazardous if released into the environment.

13: DISPOSAL CONSIDERATIONS

WASTE TREATMENT: Contain product, do not release into sewers, on the ground, or onto any body of water without proper authorization. Dispose of all waste in accordance with federal, state, and local regulations.

PACKAGING TREATMENT: Empty containers may contain residue and/or vapors and should not be reused unless professionally cleaned, reconditioned, and certified. Do not dump into sewers, on the ground, or into any body of water.

RCRA HAZARDOUS WASTE: Waste material is considered a RCRA hazardous waste. Dispose of all waste in accordance with local, state and federal regulations.

14: TRANSPORTATION INFORMATION

Not regulated by DOT, IATA, or IMDG

15: REGULATORY INFORMATION

INGREDIENT

CAS NUMBER

Not regulated by CERCLA, SARA 302, or SARA 313

16: OTHER INFORMATION

This information is provided in good faith from current, reliable sources and is believed to be correct. No warranty, express or implied, is given. The seller of this material assumes no responsibility for any damages resulting from contact with this material.