
 S A F E T Y D A T A S H E E T

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 | SECTION 1 - IDENTIFICATION OF THE PREPARATION AND THE SUPPLIER |
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PRODUCT NAME : BUEHLER BLUE PIGMENTS FOR CASTABLE MOUNTS
 IDENTIFICATION NUMBER: 20-8501
 PRODUCT USE/CLASS : Epoxy additive

SUPPLIER:

Buehler UK, Ltd.	Buehler GmbH
Saturn Building	In der Steele 2, 40599 Düsseldorf
101, Lockhurst Lane	Postfach 16 03 55, 40599 Düsseldorf
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PREPARER: Technical Department, PHONE: +18472955600, PREPARE DATE: 27/01/03

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 | SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS |
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ITEM	----- CHEMICAL NAME -----	CAS NUMBER	WT/WT%
01	Bisphenol-A Epoxy resin Classification: Xi, N; R36/38-43-51/53	25068-38-6	60.0-100.0
02	Alkyl glycidyl ether Classification: No information; N.E.	68609-97-2	5.0-10.0

----- EXPOSURE LIMITS -----

ITEM	U/K		GERMANY		OTHER		SKIN
	8-HR REL	15-MIN STEL	8-HR MAK	15-MIN MAK	8-HR TWA		
01	N.E.	N.E.	N.E.	N/E	N.E.		NO
02	N.E.	N.E.	N.E.	N/E	N.E.		NO

(See Section 16 for abbreviation legend)

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 | SECTION 3 - IDENTIFICATION OF HAZARDS |
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EMERGENCY OVERVIEW: (R43) May cause sensitization by skin contact.
 (R51/53) Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. (R36/38) Irritating to eyes and skin.

PRIMARY ROUTE(S) OF ENTRY: SKIN CONTACT, EYE CONTACT,

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 | SECTION 4 - FIRST AID MEASURES |
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EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

SKIN CONTACT: Remove contaminated clothing. Wash skin with soap and water. Get medical attention.

INHALATION: No specific treatment is necessary since this material is not likely to be hazardous by inhalation. If exposed to excessive levels of dusts or fumes, remove to fresh air and get medical attention if cough or other symptoms develop.

INGESTION: Swallowing less than an ounce will not cause significant harm. For larger amounts, do not induce vomiting, but give one or two glasses of water to drink and get medical attention.

NOTES TO PHYSICIAN: Treat symptomatically.

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SECTION 5 - FIRE FIGHTING MEASURES

FLASH POINT: 104 C
(PENSKY-MARTENS C.C.)

LOWER EXPLOSIVE LIMIT: N.A.

UPPER EXPLOSIVE LIMIT: N.A.

AUTOIGNITION TEMPERATURE: No data

EXTINGUISHING MEDIA: CO2, DRY CHEMICAL, FOAM, WATER FOG

UNUSUAL FIRE AND EXPLOSION HAZARDS: Irritating and/or toxic gases or fumes may be generated by thermal decomposition or combustion.

SPECIAL FIREFIGHTING PROCEDURES: Treat as petroleum fire. Wear appropriate approved protective equipment. Avoid directing water stream directly into flame; it may cause frothing with subsequent spread of flame.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Reclaim clean material. Prevent washings from entering waterways. Place contaminated material in covered waste container and dispose of in accordance with local and national regulations.

SECTION 7 - HANDLING AND STORAGE

HANDLING: Follow all MSDS/label precautions even after container is emptied because it may retain product residues. Avoid contact with eyes, skin, and clothing. Follow good general industrial safety practices during use and handling. FOR INDUSTRIAL USE ONLY.

STORAGE: KEEP OUT OF THE REACH OF CHILDREN.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: General ventilation usually adequate.
RESPIRATORY PROTECTION: None normally required under good general industrial ventilation.

SKIN PROTECTION: Clean clothing to cover skin. Rubber or synthetic gloves.

EYE PROTECTION: Chemical splash goggles.

OTHER PROTECTIVE EQUIPMENT: Not Applicable.

HYGIENIC PRACTICES: DO NOT reuse empty containers.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

BOILING RANGE	: 216 - 304 C	VAPOR DENSITY	: Is heavier than air
ODOR	: No appreciable	ODOR THRESHOLD	: No data
APPEARANCE	: Blue	EVAPORATION RATE:	Is slower than Butyl Acetate
SOLUBILITY IN H2O	: Insoluble	SPECIFIC GRAVITY:	1.1042
FREEZE POINT	: No data	pH @ 100.0 %	: N/A
VAPOR PRESSURE	: <0.1mmHg@20degC	VISCOSITY	: Medium
PHYSICAL STATE	: Liquid		
COEFFICIENT OF WATER/OIL DISTRIBUTION: No data			
(See Section 16 for abbreviation legend)			

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SECTION 15 - REGULATORY INFORMATION
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CHiP SUPPLY LABEL RISK PHRASES: (R36/38) Irritating to eyes and skin. (R43) May cause sensitisation by skin contact. (R51) Toxic to aquatic organisms. (R53) May cause long-term adverse effects in the aquatic environment.

CHiP SUPPLY LABEL SAFETY PHRASES: (S28) After contact with skin, wash immediately with plenty of water. (S37/39) Wear suitable gloves and eye/face protection. (S61) Avoid release to the environment. Refer to special instructions/safety data sheet. Contains epoxy constituents. See information supplied by the manufacturer. For industrial or professional use ONLY.

CHiP SUPPLY LABEL SYMBOLS: Irritant, Xi; Danger to the Environment, N

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SECTION 16 - OTHER INFORMATION
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PREVIOUS MSDS REVISION DATE: none
REASON FOR REVISION: new product

VOLATILE ORGANIC COMPOUNDS (VOCS): 0 grams/ltr (calculated)

LEGEND: N.A. - Not Applicable, N.E. - Not Established,
N.D. - Not Determined

ABBREVIATIONS: Administrative Revision Date: Reason for administrative revision: ACGIH = American Conference of Governmental Industrial Hygienists; UK = United Kingdom; REL = Recommended Exposure Limit; MAK = Maximale Arbetisplatzkonzentration (Maximum Concentration in the Workplace); TLV-TWA = Threshold Limit Value-Time Weighted Average (8 hours); STEL = Short-Term Exposure Limit (15 minutes); C = Ceiling Value; PEL = Permissible Exposure Limit

DISCLAIMER: To the best of our knowledge, the information contained in this MSDS is accurate or is obtained from sources believed to be accurate. However, no liability, expressed or implied, is assumed for the accuracy or completeness of the information contained herein. Buyer assumes liability in its use of the material.

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<END OF MSDS>

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