

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

SECTION 1 - IDENTIFICATION OF THE PREPARATION AND THE SUPPLIER

PRODUCT NAME : BUEHLER BROWN PIGMENTS FOR CASTABLE MOUNTS
IDENTIFICATION NUMBER: 20-8503
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, PREPARE DATE: 27/01/03

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

ITEM	CHEMICAL NAME	CAS NUMBER	WT/WT%
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No Hazardous Materials are Contained in this Product

(See Section 16 for abbreviation legend)

SECTION 3 - IDENTIFICATION OF HAZARDS

EMERGENCY OVERVIEW: Not considered to present a hazard in normal industrial or professional use.

PRIMARY ROUTE(S) OF ENTRY: N/A

SECTION 4 - FIRST AID MEASURES

EYE CONTACT: Immediately flush eyes with plenty of water. Get medical attention if irritation develops or persists.

SKIN CONTACT: Wash with soap and water. Get medical attention if irritation develops or persists.

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: If swallowed, do NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control centre immediately. Never give anything by mouth to an unconscious person.

NOTES TO PHYSICIAN: Treat symptomatically.

SECTION 5 - FIRE FIGHTING MEASURES

FLASH POINT: 66 C	LOWER EXPLOSIVE LIMIT: N.A.
(PENSKY-MARTENS C.C.)	UPPER EXPLOSIVE LIMIT: N.A.
AUTOIGNITION TEMPERATURE: No data	

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

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SECTION 5 - FIRE FIGHTING MEASURES

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

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. Place contaminated material in covered waste container and dispose of in accordance with local and national regulations.

SECTION 7 - HANDLING AND STORAGE

HANDLING: Avoid prolonged or repeated contact with skin. 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: No special ventilation normally required.

RESPIRATORY PROTECTION: None normally required under good general industrial ventilation.

SKIN PROTECTION: Cloth or synthetic gloves.

EYE PROTECTION: Safety glasses.

OTHER PROTECTIVE EQUIPMENT: Not Applicable.

HYGIENIC PRACTICES: DO NOT reuse empty containers.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

BOILING RANGE : N.A. VAPOR DENSITY : Is heavier than air
ODOR : Mild oily ODOR THRESHOLD : No data
APPEARANCE : Brown EVAPORATION RATE: Is slower than Butyl Acetate
SOLUBILITY IN H2O : Negligible
FREEZE POINT : No data SPECIFIC GRAVITY: 1.8816
VAPOR PRESSURE : Negligible pH @ 0.0 % : N/A
PHYSICAL STATE : Liquid VISCOSITY : Medium
COEFFICIENT OF WATER/OIL DISTRIBUTION: No data
(See Section 16 for abbreviation legend)

SECTION 10 - STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Not Applicable.

INCOMPATIBILITY: Not Applicable.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is stable under normal storage conditions.

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SECTION 11 - TOXICOLOGICAL INFORMATION

COMPONENT TOXICOLOGICAL INFORMATION: none known

Toxicological Test Data: None known.

ACUTE EFFECTS - EYE CONTACT: Not expected to present a hazard in normal industrial use.

ACUTE EFFECTS - SKIN CONTACT: Not expected to present a hazard in normal industrial use.

ACUTE EFFECTS - INHALATION: Not expected to present hazard in normal industrial use.

ACUTE EFFECTS - INGESTION: May cause nausea and vomiting. Small amounts (a tablespoonful) swallowed during normal handling operations are not likely to cause injury; swallowing amounts larger than that may cause injury.

CHRONIC OVEREXPOSURE EFFECTS: Not Applicable.

SECTION 12 - ECOLOGICAL INFORMATION

ECOLOGICAL TEST DATA: Not Applicable.

SECTION 13 - DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Incineration or fuels blending recommended if regulations permit. Treat as used oil.

SECTION 14 - TRANSPORT INFORMATION

INTERNATIONAL SHIPPING NAME: Not considered a dangerous good for transport

INTERNATIONAL ID NUMBER: N/A

IMDG CLASS (10,20): N/A

IMDG PAGE NUMBER: N/A

IMDG EMS: N/A

IATA CLASS (10,20): N/A

SECTION 15 - REGULATORY INFORMATION

CHIP SUPPLY LABEL RISK PHRASES: Not Applicable.

CHIP SUPPLY LABEL SAFETY PHRASES: Restricted to professional users.

Safety Data Sheet available for professional user upon request.

CHIP SUPPLY LABEL SYMBOLS: Not Applicable.

SECTION 16 - OTHER INFORMATION

PREVIOUS MSDS REVISION DATE: none

REASON FOR REVISION: new product

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

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SECTION 16 - OTHER INFORMATION
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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

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