

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

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : BUEHLER DRIERITE DEHYDRANT
 IDENTIFICATION NUMBER: 20-2835
 PRODUCT USE/CLASS : Dying agent

SUPPLIER:

Buehler UK, Ltd. Saturn Building 101, Lockhurst Lane Coventry CV6 5SF ENGLAND TEL: (+44) (0) 24 7658 2158 FAX: (+44) (0) 24 7658 2159	Buehler GmbH In der Steele 2, 40599 Düsseldorf Postfach 16 03 55, 40599 Düsseldorf Telefon: (+49) 0211-974100 Telefax: (+49) 0211-9741079
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PREPARER: Technical Department, PHONE: +18472955600, PREPARE DATE: 02/07/01

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

ITEM	CHEMICAL NAME	CAS NUMBER	WT/WT%
01	Cobalt chloride Classification: T, N; R49-22-42/43-50/53	7646-79-9	1.0-5.0

ITEM	EXPOSURE LIMITS					
	U/K 8-HR REL	15-MIN STEL	GERMANY 8-HR MAK	15-MIN MAK	OTHER 8-HR TWA	SKIN
01	0.2 mg/m3	N.E.	0.05 mg/m3	N.E.	N.E.	NO

(See Section 16 for abbreviation legend)

SECTION 3 - IDENTIFICATION OF HAZARDS

EMERGENCY OVERVIEW: (R49) May cause cancer by inhalation. (R42/43) May cause sensitisation by inhalation and skin contact.

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

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.

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SECTION 5 - FIRE FIGHTING MEASURES

FLASH POINT: N.A.

LOWER EXPLOSIVE LIMIT: N.A.

UPPER EXPLOSIVE LIMIT: N.A.

AUTOIGNITION TEMPERATURE: N/A

EXTINGUISHING MEDIA: N/A

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

SPECIAL FIREFIGHTING PROCEDURES: None known.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Reclaim clean material. Wipe up or sweep up contaminated material and place in closed container. Prevent substance from entering drains and waterways. Wash spill area with soap and water.

SECTION 7 - HANDLING AND STORAGE

HANDLING: Minimize dust generation and accumulation. Follow good general industrial safety practices during use and handling.

STORAGE: No information.

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 or goggles.

OTHER PROTECTIVE EQUIPMENT: None known.

HYGIENIC PRACTICES: Prevent contact with skin. DO NOT open packets.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

BOILING RANGE : N.A. VAPOR DENSITY : Is heavier than air
ODOR : None ODOR THRESHOLD : N/A
APPEARANCE : Blue granules EVAPORATION RATE: Is slower than Butyl
SOLUBILITY IN H2O : Negligible Acetate
FREEZE POINT : N/A SPECIFIC GRAVITY: 0.9752
VAPOR PRESSURE : N/A pH @ 0.0 % : N/A
PHYSICAL STATE : Solid VISCOSITY : N/A
COEFFICIENT OF WATER/OIL DISTRIBUTION: No data
(See Section 16 for abbreviation legend)

SECTION 10 - STABILITY AND REACTIVITY

CONDITIONS TO AVOID: No information.

INCOMPATIBILITY: Strong Lewis or mineral acids.

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SECTION 10 - STABILITY AND REACTIVITY

HAZARDOUS DECOMPOSITION PRODUCTS: Cobalt fumes. Cobalt oxides.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.
STABILITY: This product is stable under normal storage conditions.

SECTION 11 - TOXICOLOGICAL PROPERTIES

No product or component toxicological information is available.

Toxicological Test Data: No information.

ACUTE EFFECTS - EYE CONTACT: Mildly irritating to the eyes.

ACUTE EFFECTS - SKIN CONTACT: May cause skin irritation. May cause allergic skin reaction.

ACUTE EFFECTS - INHALATION: Dust or vapours may be slightly irritating to respiratory tract. Repeated and prolonged inhalation may be harmful.

ACUTE EFFECTS - INGESTION: Irritating to mouth, throat and stomach, with nausea.

CHRONIC OVEREXPOSURE EFFECTS: *Ingestion of significant amounts of cobalt may cause damage to the blood, heart, thyroid, or pancreas.

SECTION 12 - ECOLOGICAL INFORMATION

ECOLOGICAL TEST DATA: No information.

SECTION 13 - DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Material as sold may be disposed of in landfill. If material becomes contaminated, follow disposal instructions for contaminant.

SECTION 14 - TRANSPORTATION INFORMATION

INTERNATIONAL SHIPPING NAME: Not regulated for transport
INTERNATIONAL ID NUMBER: N/A
IMDG CLASS (10,20): N/A PACKING GROUP: N/A
IMDG EMS: N/A IATA CLASS (10,20): N/A

SECTION 15 - REGULATORY INFORMATION

CHiP SUPPLY LABEL RISK PHRASES: (R49) May cause cancer by inhalation. (R42/43) May cause sensitisation by inhalation and skin contact.
CHiP SUPPLY LABEL SAFETY PHRASES: (S22) Do not breathe dust. (S29) Do not empty into drains. (S45) In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
CHiP SUPPLY LABEL SYMBOLS: T, Toxic

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|               SECTION 16 - OTHER INFORMATION               |
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PREVIOUS MSDS REVISION DATE: 02/07/01
 REASON FOR REVISION: new format

ADMINISTRATIVE REVISION DATE:
 REASON FOR ADMINISTRATIVE REVISION:

VOLATILE ORGANIC COMPOUNDS (VOCS): 0 grams/ltr

LEGEND: N.A. - No information, N.E. - Not Established,
 N.D. - Not Determined

ABBREVIATIONS: 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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