

SAFETY DATA SHEET



Version for USA

Revision Date: 11.05.2023

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SECTION 1: IDENTIFICATION

Identification of the company

MIXOL-PRODUKTE Diebold GmbH
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Information to substance / preparation

Division: Technics
Phone: +49(0)7021 / 950090
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Emergency tel.number

Emergency CONTACT (24-Hour-Number)
GBK/Infotrac ID 107633: (USA DOMESTIC) 1 800 535 5053 or
International (001) 352 323 3500

Trade name

MIXOL® No. 29 Oxyd-Brillant-Schwarz (Oxide Brilliant Black)

Primary product use

Colouring agent

Chemical family

C.I. Pigment Black 26 in aqueous dispersion, containing polyglycole.

SECTION 2: HAZARDS IDENTIFICATION

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR Part 1910.1200)

Not a hazardous substance or mixture.

GHS label elements

Additional advice on labelling

Not a hazardous substance or mixture.

Other hazards

Hazards Not Otherwise Classified:

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Substance/Mixture: Mixture

Components

Chemical name	CAS-No.	Concentration (% w/w)
manganese ferrite black spinel	68186-94-7	>= 50 - < 70
Alcohols, C16-18 and C18-unsaturated, ethoxylated	68920-66-1	>=1 – 5

An Actual concentration is withheld as a trade secret.

SECTION 4: FIRST AID MEASURES

General advice

Get medical advice / attention if you feel unwell.

If inhaled

Move the victim to fresh air.
Give oxygen or artificial respiration if needed.
Get immediate medical advice/ attention.
Never give anything by mouth to an unconscious person.

In case of skin contact

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Wash thoroughly with soap and water for 15 minutes. If skin irritation occurs, seek medical attention.

In case of eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention immediately if eye irritation develops or persists.

If swallowed

Rinse mouth.
Do NOT induce vomiting.
Never give anything by mouth to an unconscious person.
Get medical advice/ attention.

Most important symptoms and effects, both acute and delayed

The possible symptoms known are those derived from the labelling (see section 2).
No additional symptoms are known.

Notes to physician

Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES**Suitable extinguishing media**

Water spray jet
Dry powder
Carbon dioxide (CO₂)
Alcohol-resistant foam

Unsuitable extinguishing media

High volume water jet

Specific hazards during firefighting

In case of fires, hazardous decomposition products may be produced such as:
Carbon oxides
Nitrogen oxides (NO_x)

Further information

Wear suitable protective equipment.

Special protective equipment for firefighters

Wear an approved positive pressure self-contained breathing apparatus in addition to standard fire fighting gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Wear suitable personal protective equipment.

Environment precautions

The product should not be allowed to enter drains, water courses or the soil.

Methods and material for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Treat recovered material as described in the section "Disposal considerations".

SECTION 7: HANDLING AND STORAGE**Advice on protection against fire and explosion**

Normal measures for preventive fire protection.

Advice on safe handling

Use personal protective equipment.
Avoid breathing dust.
Avoid contact with skin and eyes.
Wash thoroughly after handling.

Store in a dry place.
 Keep away from heat.
 Store in original container.
 Keep container tightly closed.

Further information on storage conditions

Keep containers tightly closed in a cool, well-ventilated place.
 Handle and open container with care.
 Keep away from flames and sparks.
 - sensitive to frost - In case of the product becoming opaque, thickening or being frozen due to the effects of cold, allow to thaw slowly at room temperature. Stir briefly before use.

Storage stability:
 Minimum 36 months.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters/ Permissible concentration	Basis
manganese ferrite black spinel	68186-94-7	C	5 mg/m ³ (Manganese)	OSHA-Z1
		TWA (Inhalable particulate matter)	0,1 mg/m ³ (Manganese)	ACGIH
		TWA (Respirable particulate matter)	0,02 mg/m ³ (Manganese)	ACGIH
		C	5 mg/m ³ (Manganese)	OSHA P0
		TWA	1 mg/m ³ (Manganese)	NIOSH REL
		ST	3 mg/m ³ (Manganese)	NIOSH REL

Engineering measures

A system of local and/or general exhaust is recommended where employee exposures are at or above Occupational Exposure Limits (OEL).

Personal protective equipment

Respiratory protection:

General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

Hand protection:

Remarks: Butyl Rubber, PVC or Neoprene.

Eye protection:

Safety glasses with side-shields.

Skin and body protection:

Wear protective clothing, including long sleeves and gloves, to prevent skin contact.

Protective measures:

Wear suitable protective equipment.

Hygiene measures:

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Wash hands before breaks and at the end of workday.
Use protective skin cream before handling the product.
Take off immediately all contaminated clothing and wash it before reuse.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

Appearance:	dispersion
Colour:	black
Odour:	not significant
Odour threshold:	not required
pH :	7.9 (68 °F / 20 °C)
	Concentration: 100 (undiluted)
Melting point:	Not applicable
Boiling point:	212 °F / 100 °C (1,013.25 hPa) Based on water-content.
Flash point:	700 °F / 371 °C
Evaporation rate:	not determined
Burning number:	not applicable
Upper explosive limit/ upper: flammability limit	not determined
Lower explosive limit/ Lower: flammability limit	not determined
Vapour pressure:	not applicable
Relative vapour density:	not determined
Relative Density:	no data available
Density:	2.41 g/cm ³ (73 °F / 23 °C)
Solubility(ies)	
Water solubility:	miscible
Partition coefficient: n-octanol/water	not applicable
Auto-ignition temperature:	not determined
Decomposition temperature:	The product does not contain any chemical groups which suggest self-reactive properties, nor is the estimated SADT less than 75 °C, nor is the exothermic decomposition energy higher than 300 J/g.
Viscosity	
Viscosity (dynamic):	1.650 mPa.s (73 °F / 23 °C)
Viscosity (kinematic):	no data available
Explosive properties:	no data available
Oxidizing properties:	no data available
Molecular weight:	no data available
Metal corrosion rate:	not corrosive to metals
Minimum ignition energy:	not determined
Particle size:	not applicable

SECTION 10: STABILITY AND REACTIVITY**Reactivity**

No dangerous reaction known under conditions of normal use.

Chemical Stability

Stable under normal conditions.

Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.
Stable .

Conditions to avoid

None known.

Incompatible materials

No data available.

Hazardous decomposition products

No decomposition if stored and applied as directed.

SECTION 11: TOXICOLOGIC INFORMATION**Information on likely routes of exposure**

Skin contact
Eye contact
Inhalation
Ingestion

Acute toxicityProduct:

Acute oral toxicity:	Remarks: no data available
Acute inhalation toxicity:	Remarks: no data available
Acute dermal toxicity:	Remarks: no data available

Skin corrosion/irritationProduct:

Remarks:	no data available.
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Components:

Alcohols, C16-18 and C18-unsaturated, ethoxylated:	
Result:	Irritating to skin.

Serious eye damage/eye irritationProduct:

Remarks:	no data available.
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Respiratory or skin sensitisationProduct:

Remarks:	no data available
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Germ cell mutagenicityProduct:

Genotoxicity in vitro:	Remarks: no data available
Germ cell mutagenicity-: Assessment	No information available.

CarcinogenicityProduct:

Carcinogenicity - Assessment:	No information available.
Carcinogenicity – Assessment:	Not classifiable as a human carcinogen.

IARC	No component of this product present at levels greater
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OSHA

than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

NTP

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive toxicity

Product:

Reproductive toxicity - : No information available.
Assessment

STOT - single exposure

Product:

Remarks: no data available

STOT - repeated exposure

Product:

Remarks: no data available

Repeated dose toxicity

Product:

Remarks: This information is not available.

Aspiration toxicity

Product:

no data available

Experience with human exposure:

Product:

General Information: The possible symptoms known are those derived from the labelling (see section 2).

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Toxicity to fish: Remarks: no data available

Toxicity to daphnia and other aquatic invertebrates: Remarks: no data available

Toxicity to algae/aquatic plants: Remarks: no data available

Toxicity to fish (Chronic toxicity): Remarks: no data available

Toxicity to microorganisms: Remarks: no data available

Components:

Alcohols, C16-18 and C18-unsaturated, ethoxylated:

Ecotoxicology Assessment:

Acute aquatic toxicity: Toxic to aquatic life.

Chronic aquatic toxicity: Harmful to aquatic life with long lasting effects.

Persistence and degradability

Product:

Biodegradability: Remarks: no data available

Bioaccumulative potential

Product:

Bioaccumulation: Remarks: no data available

Mobility in soil

no data available

Other adverse effects

Product:

Environmental fate and pathways: Remarks: no data available

Additional ecological information: no data available

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal methods

RCRA – Resource Conservation and Recovery Authorization Act:

This product, if discarded as sold, is not a Federal RCRA hazardous waste.

Waste Code:

NONE

Waste from residues:

In accordance with current regulations may be taken to waste disposal site or incineration plant, after consultation with site operator and/or with the responsible authority. Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse. Packaging that cannot be cleaned should be disposed of as product waste.

Contaminated packaging:

This material and its container must be disposed of in a safe way.

SECTION 14: TRANSPORT INFORMATION

DOT: not restricted

IATA: not restricted

IMDG: not restricted

SECTION 15: REGULATORY INFORMATION

CERCLA Reportable Quantity:

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity:

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity:

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards:

No SARA Hazards

SARA 313:

The following components are subject to reporting levels established by SARA Title III, Section 313:

manganes: 68186-94-7 >= 50 - < 70 %
ferrite black
spinell

Clean Air Act:

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The following chemical(s) are listed as HAP under the U.S. Clean Air Act, Section 112 (40 CFR 61):

manganes: 68186-94-7 >= 50 - < 70 %
ferrite black
spinell

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCOMI Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act:

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

This product does not contain any priority pollutants related to the U.S. Clean Water Act

The components of this product are reported in the following inventories

TSCA: On or in compliance with the active portion of the TSCA inventory

SECTION 16: OTHER INFORMATION**Further information****Full text of other abbreviations**

ACGIH:	USA. ACGIH Threshold Limit Values (TLV)
NIOSH REL:	USA. NIOSH Recommended Exposure Limits
OSHA P0:	USA. Table Z-1-A Limits for Air Contaminants (1989 vacated values)
OSHA Z-1:	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
ACGIH / TWA:	8-hour, time-weighted average
NIOSH REL / TWA:	Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek
NIOSH REL / ST:	STEL – 15-minute TWA exposure that should not be exceeded at any time during a workday
OSHA P0 / C:	Ceiling limit
OSHA Z-1 / C:	Ceiling limit
AIIC	Australian Inventory of Industrial Chemicals
ASTM	American Society for the Testing of Materials
bw	Body weight
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act;
CMR	Carcinogen, Mutagen or Reproductive Toxicant
DIN	Standard of the German Institute for Standardisation
DOT	Department of Transportation
DSL	Domestic Substances List (Canada)
ECx	Concentration associated with x% response
EHS	Extremely Hazardous Substance
ELx	Loading rate associated with x% response
EmS	Emergency Schedule
ENCS	Existing and New Chemical Substances (Japan)
ErCx	Concentration associated with x% growth rate response
ERG	Emergency Response Guide
GHS	Globally Harmonized System
GLP	Good Laboratory Practice
HMIS	Hazardous Materials Identification System

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IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IBC	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IC50	Half maximal inhibitory concentration
ICAO	International Civil Aviation Organization
IECSC	Inventory of Existing Chemical Substances in China
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
ISHL	Industrial Safety and Health Law (Japan)
ISO	International Organisation for Standardization
KECI	Korea Existing Chemicals Inventory
LC50	Lethal Concentration to 50 % of a test population
LD50	Lethal Dose to 50% of a test population (Median Lethal Dose)
MARPOL	International Convention for the Prevention of Pollution from Ships
MSHA	Mine Safety and Health Administration
n.o.s.	Not Otherwise Specified
NFPA	National Fire Protection Association
NO(A)EC	No Observed (Adverse) Effect Concentration
NO(A)EL	No Observed (Adverse) Effect Level
NOELR	No Observable Effect Loading Rate
NTP	National Toxicology Program
NZIoC	New Zealand Inventory of Chemicals
OECD	Organization for Economic Co-operation and Development
OPPTS	Office of Chemical Safety and Pollution Prevention
PBT	Persistent, Bioaccumulative and Toxic substance
PICCS	Philippines Inventory of Chemicals and Chemical Substances
(Q)SAR	(Quantitative) Structure Activity Relationship
RCRA	Resource Conservation and Recovery Act
REACH	Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals
RQ	Reportable Quantity
SADT	Self-Accelerating Decomposition Temperature
SARA	Superfund Amendments and Reauthorization Act
SDS	Safety Data Sheet
TCSI	Taiwan Chemical Substance Inventory
TSCA	Toxic Substances Control Act (United States)
UN	United Nations
UNRTDG	United Nations Recommendations on the Transport of Dangerous Goods
vPvB	Very Persistent and Very Bioaccumulative

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