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SECTION 1: IDENTIFICATION OF SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1. PRODUCT IDENTIFIER

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1.2. RELEVANT IDENTIFIED USES OF THE SUBSTANCES OR MIXTURE AND USES ADVISED AGAINST

Relevante identified uses of the substance or mixtureIndustry sector: Industrial Performance Chemicals
Paints, lacquers and varnishes industry
Polymers industry
Printing Inks Industry

Type of use: Colourant preparation

1.3. DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Identification of the company:

MIXOL-PRODUKTE

Diebold GmbH

Carl-Zeiss-Str. 17-19

73230 Kirchheim/Teck

Phone: 0049 / 7021 / 950090

Fax: 0049 / 7021 / 56030

Information to substance / mixture:

Division: Technics

Phone: +49(0)7021 / 950090

E-mail: Technik@mixol.de

1.4. EMERGENCY TELEPHONE NUMBER

GBK Gefahrgut Büro GmbH, Ingelheim, Germany

From outside US:(001) 352-323-3500

(First call in English, response in your language is possible)

US & Canada (toll free): 1-800-5355-053

SECTION 2: HAZARDS IDENTIFICATION

2.1. CLASSIFICATION OF THE SUBSTANCE / MIXTURE

Classification according EC Directive (67/548/EWG or 1999/45/EG, as amended):

Not a hazardous substance or mixture.

Classification (Regulation (EC) No.1272/2008):

Not a dangerous substance according to GHS.

2.2. LABEL ELEMENTS

Labeling(Regulation (EC) No.1272/2008):

Not a dangerous substance or mixture according to the Globally Harmonised System (GHS).

Hazardous components which must be listed on the label:

52933-07-0 Phosphoric acid, isotridecyl ester.

Additional Labelling:EUH208 Contains: mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and
2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1)
5-Chloro-2-methyl-3(2H)isothiazole mixt. with 2-Methyl-3(2H)-
isothiazolone.

May produce an allergic reaction.

2.3. OTHER HAZARDS

No informations available.

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SECTION 3: COMPOSITION / INFORMATION TO INGREDIENTS

3.1. MIXTURES

Hazardous components

Chemical Name	CAS-No. EC-No. Registration No.	Classification (67/548)/EEC	Classification (Regulation (EC) No. 1272/2008)	Concentration %
aluminium	7429-90-5 231-072-3 01-2119529243-45	F; R11	Flam. Sol. 1; H228	>= 25 - < 50
Phosphoric acid, isotridecyl ester	52933-07-0 258-261-3	Xi; Xi; R38-R41	Skin Irrit. 2; H315 Eye Dam. 1; H318	>= 3 - < 5
Alcohols, C11-14-iso-, C13-rich	68526-86-3 271-235-6	N; R50	Aquatic Acute 1; H400	< 0.25

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: FIRST AID MEASURES

4.1. DESCRIPTION OF FIRST AID MEASURES

General information:

No hazards which requires special first aid measures.

Move the victim to fresh air.

Do not leave the victim unattended.

After inhalation:

If unconscious place in recovery position and seek medical advice.

If symptoms persist, call a physician.

After contact with skin:

Wash off immediately with soap and plenty of water.

After contact with eyes:

Remove contact lenses.

If eye irritation persists, consult a specialist.

Immediately flush eye(s) with plenty of water.

After swallowing:

Keep respiratory tract clear.

Do not give milk or alcoholic beverages.

Never give anything by mouth to an unconscious person.

If symptoms persist, call a physician.

4.2. MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED SYMPTOMS

Symptoms:

No information available.

Hazards:

No information available.

4.3. INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Treatment:

No information available.

SECTION 5: FIREFIGHTING MEASURES

- 5.1. EXTINCTION AGENTS:
Suitable extinction agents:
Dry sand
Special powder against metal fire
Extinction agents, not suitable out of safety reasons:
Water
Foam
CO₂
ABC Powder
- 5.2. SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE
This information is not available.
- 5.3. ADVICE FOR FIREFIGHTERS
Special protective equipment for firefighting:
Wear self contained breathing apparatus for fire fighting if necessary.
Further information:
Standard procedure for chemical fires.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
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SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1. PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES
Evacuate personnel to safe areas.
- 6.2. ENVIRONMENT PRECAUTIONS
This information is not available.
- 6.3. METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP
Wipe up with absorbent material (e.g. cloth, fleece).
Do not flush with water.
Keep in suitable, closed containers for disposal.
Use mechanical handling equipment.
Soak up with inert absorbent material
(e.g. sand, silica gel, acid binder, universal binder, sawdust).
- 6.4. CROSS REFERENCE TO OTHER SECTIONS
Additional information:
See section 8 for information on personal protection equipment.
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SECTION 7: HANDLING AND STORAGE

- 7.1. PRECAUTIONS FOR SAFE HANDLING
Advice on safe handling:
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Advice on protection against fire and explosion:
Normal measures for preventive fire protection.
Hygiene measures:
General industrial hygiene practice.
- 7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES
Requirements for storage areas and containers:
Electrical installations / working materials must comply with the technological safety standards.
Earthing of containers and apparatuses is essential.
Reaction with water liberates extremely flammable gas (hydrogen).
Take measures to prevent the build up of electrostatic charge.
Use explosion-proof equipment.

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Store in original container.
Keep containers tightly closed in a cool, well-ventilated place.
Keep away from sources of ignition - No smoking.
Keep container closed when not in use.

Further information on storage conditions:

Protect from humidity and water.

Storage stability:

Shelf-life: at least 18 month.

Advice on common storage:

Do not store near acids.

Do not store together with oxidizing and self-igniting products.

Keep away from oxidising agents and strongly acid or alkaline materials.

Never allow product to get in contact with water during storage.

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Other data:

No decomposition if stored and applied as directed.

7.3. SPECIFIC END USE(S)

This information is not available.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. CONTROL PARAMETERS

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Update	Basis
aluminium	7429-90-5	TWA(Inhalable)	10 mg/m ³	2011-12-01	GB EH40
Further information		The COSHH definition of a substance hazardous to health includes dust of any kind when present at a concentration in air equal to or greater than 10 mg.m-3 8-hour TWA of inhalable dust or 4 mg.m-3 8-hour TWA of respirable dust. This means that any dust will be subject to COSHH if people are exposed above these levels. Some dusts have been assigned specific WELs and exposure to these must comply with the appropriate limit. Where no specific short-term exposure limit is listed, a figure three times the long-term exposure should be used.			
aluminium	7429-90-5	TWA (Respirable)	4 mg/m ³	2011-12-01	GB EH40
Further information		The COSHH definition of a substance hazardous to health includes dust of any kind when present at a concentration in air equal to or greater than 10 mg.m-3 8-hour TWA of inhalable dust or 4 mg.m-3 8-hour TWA of respirable dust. This means that any dust will be subject to COSHH if people are exposed above these levels. Some dusts have been assigned specific WELs and exposure to these must comply with the appropriate limit. Where no specific short-term exposure limit is listed, a figure three times the long-term exposure should be used.			
aluminium	7429-90-5	TWA	10 mg/m ³	2005-04-06	GB EH40
Further information		For the purposes of these limits, respirable dust and inhalable dust are those fractions of airborne dust which will be collected when sampling is undertaken in accordance with the methods described in MDHS14/3 General methods for sampling and gravimetric analysis of respirable and inhalable dust. The COSHH definition of a substance hazardous to health includes			

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		<p>dust of any kind when present at a concentration in air equal to or greater than 10 mg.m⁻³ 8-hour TWA of inhalable dust or 4 mg.m⁻³ 8-hour TWA of respirable dust. This means that any dust will be subject to COSHH if people are exposed above these levels. Some dusts have been assigned specific WELs and exposure to these must comply with the appropriate limit. Most industrial dusts contain particles of a wide range of sizes. The behaviour, deposition and fate of any particular particle after entry into the human respiratory system and the body response that it elicits, depend on the nature and size of the particle. HSE distinguishes two size fractions for limit-setting purposes termed 'inhalable' and 'respirable'. Inhalable dust approximates to the fraction of airborne material that enters the nose and mouth during breathing and is therefore available for deposition in the respiratory tract. Respirable dust approximates to the fraction that penetrates to the gas exchange region of the lung. Fuller definitions and explanatory material are given in MDHS14/3. Where dusts contain components that have their own assigned WEL, all the relevant limits should be complied with. Where no specific short-term exposure limit is listed, a figure three times the long-term exposure should be used</p>			
aluminium	7429-90-5	TWA(Inhalable)	10 mg/m ³	2011-12-01	GB EH40
Further information		<p>For the purposes of these limits, respirable dust and inhalable dust are those fractions of airborne dust which will be collected when sampling is undertaken in accordance with the methods described in MDHS14/3 General methods for sampling and gravimetric analysis of respirable and inhalable dust. The COSHH definition of a substance hazardous to health includes dust of any kind when present at a concentration in air equal to or greater than 10 mg.m⁻³ 8-hour TWA of inhalable dust or 4 mg.m⁻³ 8-hour TWA of respirable dust. This means that any dust will be subject to COSHH if people are exposed above these levels. Some dusts have been assigned specific WELs and exposure to these must comply with the appropriate limit. Most industrial dusts contain particles of a wide range of sizes. The behaviour, deposition and fate of any particular particle after entry into the human respiratory system and the body response that it elicits, depend on the nature and size of the particle. HSE distinguishes two size fractions for limit-setting purposes termed 'inhalable' and 'respirable'. Inhalable dust approximates to the fraction of airborne material that enters the nose and mouth during breathing and is therefore available for deposition in the respiratory tract. Respirable dust approximates to the fraction that penetrates to the gas exchange region of the lung. Fuller definitions and explanatory material are given in MDHS14/3. Where dusts contain components that have their own assigned WEL, all the relevant limits should be complied with. Where no specific short-term exposure limit is listed, a figure three times the long-term exposure should be used</p>			

8.2. PERSONAL PROTECTIVE EQUIPMENTEye protection:

Safety glasses

Hand protection:

Solvent resistant gloves

Preventive skin protection by use of skin-protection agents is recommended.

Prior to contact with the watersoluble substance/product/preparation apply waterinsoluble skin-protecting agent (fat-containing film former or W/O emulsions)

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection:

No personal respiratory protective equipment normally required.

Use suitable breathing protection if workplace concentration requires.

Body and skin protection:

Protective suit

8.3. ENVIRONMENT EXPOSURE CONTROLSWater :

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

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1. APPEARANCE**

Physical state:	liquid
Colour:	silver-grey
Odour:	characteristic
pH:	7
Freezing point:	no data available
Boiling point/boiling range:	100 °C
Flash point:	>100°C
Bulk density:	no data available
Flammibility(solid, gas)	no data available
Upper explosion limit:	no data available
Lower explosion limit:	no data available
Vapour pressure at 20 °C:	no data available
Density at 20 °C:	no data available
Solubility in water:	no data available
Solubility in other solvents:	no data available
Partition coefficient n-octanol/water:	no data available
Auto ignition temperature:	no data available
Thermal decomposition:	no data available
Viscosity, dynamic:	no data available
Viscosity, kinematic:	no data available
Flow time:	no data available

9.2. OTHER INFORMATION

No data available

SECTION 10: STABILITY AND REACTIVITY

- 10.1. REACTIVITY
No decomposition if stored and applied as directed.
- 10.2. CHEMICAL STABILITY
No decomposition if stored and applied as directed.
- 10.3. POSSIBILITY OF HAZARDOUS REACTIONS
Hazardous reactions:
Stable under recommended storage conditions.
- 10.4. CONDITIONS TO AVOID
No data available.
Do not allow evaporation to dryness.
- 10.5. INCOMPATIBLE MATERIALS
Materials to avoid:
No data available.
- 10.6. HAZARDOUS DECOMPOSITION PRODUCTS
Other information:
No data available.

SECTION 11: TOXICOLOGIC INFORMATION

- 11.1. ACUTE TOXICITY
Components 7429-90-5 LC50 rat:> 5 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
- Skin corrosion / irritation: no data available
Serious eye damage/ eye irritation: no data available
Respiratory or skin sensitization: no data available
Carcinogenicity: no data available
Toxicity to reproduction/fertility no data available
Reprod.Tox., Development, Teratog. no data available
STOT – single exposure no data available
STOT – repeated exposure no data available
Aspiration toxicity no data available

SECTION 12: ECOLOGICAL INFORMATION

- 12.1. TOXICITY:
No data available
- 12.2. PERSISTENCE AND DEGRADABILITY
No data available.
- 12.3. BIOACCUMULATIVE POTENTIAL
No data available.
- 12.4. MOBILITY IN SOIL
No data available.
- 12.5. RESULTS OF PBT AND VPVB ASSESSMENT
No data available.
- 12.6. OTHER ADVERSE EFFECTS
Additional ecotoxicological remarks:
No data available.

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SECTION 13: DISPOSAL CONSIDERATIONS

13.1. WASTE TREATMENT METHODS

European waste catalogue:

120104-non ferrous metal dust and particles.

Contaminated packaging:

Empty containers should be taken to an approved waste handling site for recycling or disposal.

13.2. UNCLEARED PACKAGING

Disposal must be made according to official regulations.

SECTION 14: TRANSPORT INFORMATION

14.1. TO 14.5.

ADR: Not dangerous goods

IATA: Not permitted for transport

IMDG: Not dangerous goods

14.6. TRANSPORT / ADDITIONAL INFORMATION

No dangerous goods according to transport regulations.

Due to the risk of hydrogen development we recommend to refrain from airfreighting this/these product(s).

14.7. TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE

No data available.

SECTION 15: LEGISLATIVE PROVISIONS

15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

Water contaminating class (Germany): WGK 1 slightly water endangering

15.2. CHEMICAL SAFETY ASSESSMENT

No data available

SECTION 16: OTHER INFORMATION

Observe national and local legal requirements

TEXT OF THE R-PHRASES ASSIGNED TO THE INGREDIENTS/COMPONENTS MENTIONED IN SECTION 3 :

11	Highly flammable
38	Irritating to skin.
41	Risk of serious damage to eyes
50	Very toxic to aquatic organisms

LIST OF THE TEXT OF THE HAZARD STATEMENTS MENTIONED SECTION 3 (H-PHRASES) :

H228	Flammable solid
H315	Causes serious skin damage
H318	Causes serious eye damage
H400	Very toxic to aquatic life

Decimal notation: "thousands" places are identified with a dot (for example, "2.000 mg/kg" means "two thousand mg/kg"). Decimal places are identified with a comma (for example, "1,35 g/cm³" means "one point three five g/cm³").

This information corresponds to the present state of our knowledge and is intended as a general description of our products and their possible applications. MIXOL-PRODUKTE Diebold GmbH makes no warranties, express or implied, as to the information accuracy, adequacy, sufficiency or freedom from defect and assumes no liability in connection with any use of this information. Any user of this product is responsible for determining the suitability of MIXOL products for its particular application. Nothing included in this information waives any of MIXOL's General Terms and Conditions of Sale, which control unless it agrees otherwise in writing.

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Any existing intellectual/industrial property rights must be observed. Due to possible changes in our products and applicable national and international regulations and laws, the status of our products could change. Material Safety Data Sheets providing safety precautions, that should be observed when handling or storing MIXOL products, are available upon request and are provided in compliance with applicable law. You should obtain and review the applicable Material Safety Data Sheet information before handling any of these products.

For additional information, please contact MIXOL-PRODUKTE Diebold GmbH.