

Safety Data Sheet

GHS VERSION



Print date 1/23/2017
Version 1.2

B Developer powder
Revision date 9/23/2016
Issue date 9/23/2016

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1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifiers

Identification of the substance or mixture B Developer powder

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses

Stencil production for screen and textile printing. Reserved for industrial and professional use.

1.3. Details of the supplier of the safety data sheet

supplier (manufacturer/importer/downstream user/distributor)

ULANO® CORPORATION

110 Third Avenue
Brooklyn, NY 11217
USA

Telephone: +1 718-237-4700

Telefax: +1 718-802-1119

E-mail info@ulano.com

Information contact:

E-mail (competent person): P. Drago

dragop@ulano.com

1.4. Emergency telephone number

Emergency telephone:

1-800-424-9300 (CHEMTREC)

2. Hazards identification

2.1. Classification of the substance or mixture

Classification according to GHS

Acute Tox. 4 / H302

Acute toxicity (oral)

Harmful if swallowed.

Acute Tox. 3 / H331

Acute toxicity (inhalative)

Toxic if inhaled.

Eye Dam. 1 / H318

Serious eye damage/eye irritation

Causes serious eye damage.

Repr. 1B / H360

Reproductive toxicity

May damage the unborn child. Suspected of damaging fertility.

STOT SE 3 / H335

Specific target organ toxicity (single exposure)

May cause respiratory irritation.

Ox. Sol. 2 / H272

Oxidising solids

May intensify fire; oxidiser.

2.2. Label elements

The product is classified and labelled according to GHS.

Labelling according to GHS

Hazard pictograms



Danger

Hazard statements

H302

Harmful if swallowed.

H331

Toxic if inhaled.

H318

Causes serious eye damage.

H360

May damage the unborn child. Suspected of damaging fertility.

H335

May cause respiratory irritation.

H272

May intensify fire; oxidiser.

Precautionary statements

P201

Obtain special instructions before use.

P210

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P221

Take any precaution to avoid mixing with combustibles .?

P280

Wear protective gloves and eye/face protection.

P305 + P351 + P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308 + P313

IF exposed or concerned: Get medical advice/attention.

P310

Immediately call a POISON CENTER or doctor/ physician.

P370 + P378

In case of fire: Use Extinguishing powder or sand to extinguish.

P403 + P233

Store in a well-ventilated place. Keep container tightly closed.

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contains:

sodium peroxometaborate [containing < 0.1 % (w/w) of particles with an aerodynamic diameter of below 50 µm]

2.3. **Other hazards**

3. **Composition / Information on ingredients**

3.1. **Substances**

Description Mixture of components, as listed below, with nonhazardous constituents

Hazardous ingredients

Classification according to GHS

EC No.	REACH No.		
CAS No.	Chemical name		Wt %
INDEX No.	classification:		Remark
231-556-4			
7632-04-4	sodium peroxometaborate [containing < 0.1 % (w/w) of particles with an aerodynamic diameter of below 50 µm]		60 - 100
005-017-00-7	Acute Tox. 4 H302 / Acute Tox. 3 H331 / Eye Dam. 1 H318 / Repr. 1B H360 / STOT SE 3 H335 / Ox. Sol. 2 H272		

Additional information

Full text of classification: see section 16

4. **First-aid measures**

4.1. **Description of first aid measures**

General information

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice. In case of irregular breathing or respiratory arrest provide artificial respiration.

Following skin contact

After contact with skin, wash immediately with plenty of water and soap. Remove contaminated, saturated clothing immediately.

After eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

After ingestion

Seek medical advice immediately. Do NOT induce vomiting.

4.2. **Most important symptoms and effects, both acute and delayed**

In all cases of doubt, or when symptoms persist, seek medical advice.

4.3. **Indication of any immediate medical attention and special treatment needed**

5. **Firefighting measures**

5.1. **Extinguishing media**

Suitable extinguishing media

Foam Water mist Carbon dioxide

Extinguishing media which must not be used for safety reasons:

strong water jet

5.2. **Special hazards arising from the substance or mixture**

Gases/vapours, toxic

5.3. **Special protective equipment for firefighters:**

Provide a conveniently located respiratory protective device.

Additional information

The danger areas must be delimited and identified using relevant warning and safety signs. Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways. Treat runoff as

hazardous.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Keep away from sources of ignition. Ventilate affected area. Remove persons to safety. Do not breathe vapours. See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations. Provide good ventilation.

6.3. Methods and material for containment and cleaning up

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see chapter 13).

6.4. Reference to other sections

Observe protective provisions (see chapter 7 and 8).

7. Handling and storage

7.1. Precautions for safe handling

Advices on safe handling

Heed the usual precautionary measures of handling chemicals.

Avoid: Generation/formation of aerosols

VCI-storage class, see Chapter 15

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep container tightly closed in a cool, well-ventilated place.

Requirements for storage rooms and vessels

Always keep in containers that correspond to the material of the original container. Ensure adequate ventilation of the storage area.

Additional information

VCI-storage class, see Chapter 15

7.3. Specific end use(s)

Observe technical data sheet. Observe instructions for use.

8. Exposure controls / Personal protection

8.1. Control parameters

Occupational exposure limit values:

n.a.

8.2. Exposure controls

Provide good ventilation.

Personal protection equipment

Respiratory protection

If concentration of solvents is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190).

Hand protection

Wear chemical resistant protective gloves.

Eye protection

Wear closed protection glasses.

Protective clothing

Protective measures

Avoid contact with skin, eyes and clothes. After contact clean skin thoroughly with water and soap or use appropriate cleanser.

Environmental exposure controls

Do not allow to enter into surface water or drains.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:

Physical state solid
Colour refer to label
Odour characteristic

Safety relevant basis data

	Method	Remark
Flash point:	n.a.	
Ignition temperature (AIT)	NB	
Lower explosion limit	n.a.	
Upper explosion limit	n.a.	
Vapour pressure at 20 °C:	NB	
Density at 20 °C:	0.80 g/cm ³	
Water solubility (g/L)	very soluble	
pH at 20 °C:	-	
Viscosity at °C:	n.a.	
Initial boiling point and boiling range	NB	
Decomposition temperature (°C):	0	

9.2. Other information:

10. Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to chapter 7.

10.3. Possibility of hazardous reactions

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

10.4. Conditions to avoid

10.5. Incompatible materials

10.6. Hazardous decomposition products

11. Toxicological information

Classification for mixtures and used evaluation method according to GHS
No data on preparation itself available.

11.1. Information on toxicological effects

Acute toxicity

Toxicological data are not available.

skin corrosion/irritation; Serious eye damage/eye irritation

Toxicological data are not available.

Respiratory or skin sensitisation

Toxicological data are not available.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Toxicological data are not available.

Specific target organ toxicity

Toxicological data are not available.

Aspiration hazard

Toxicological data are not available.

Practical experience/human evidence

Other observations:

Prolonged or repeated contact with the preparation can lead to irritations of mucous membranes and of skin such as redness, formation of blebs, dermatitis, etc..

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Overall Assessment on CMR properties

EC No. CAS No.	Chemical name	Classification according to EC regulation 1272/2008 (CLP):
231-556-4 7632-04-4	sodium peroxometaborate [containing < 0.1 % (w/w) of particles with an aerodynamic diameter of below 50 µm]	Repr. 1B

Remark

There is no information available on the preparation itself .

12. Ecological information

overall evaluation

Classification for mixtures and used evaluation method according to GHS

Do not store at public landfills.

Technically correct releases of minimal concentrations to adapted biological sewage plants, will not disturb the biodegradability of activated sludge.

12.1. Toxicity

No information available.

Long-term Ecotoxicity

Toxicological data are not available.

12.2. Persistence and degradability

Toxicological data are not available.

12.3. Bioaccumulative potential

Toxicological data are not available.

Bioconcentration factor (BCF)

Toxicological data are not available.

12.4. Mobility in soil

Toxicological data are not available.

13. Disposal considerations

13.1. Waste treatment methods

Appropriate disposal / Product Recommendation

packaging

Recommendation

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

14. Transport information

14.1. UN number

UN 3247

14.2. UN proper shipping name

14.3. Transport hazard class(es)

5.1

14.4. Packing group

II

14.5. Environmental hazards

Land transport (ADR/RID) n.a.

Marine pollutant n.a.

14.6. Special precautions for user

Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.

Advices on safe handling: see parts 6 - 8

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Additional information

Land transport (ADR / RID / DOT)

tunnel restriction code E

Sea transport (IMDG)

EmS-No. F-A,S-Q

Packaging >30 l

Land transport (ADR / RID / DOT):

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

not applicable

15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU legislation

Observe in addition any national regulations!

calculated with mixing rule

Substance/product listed in the following inventories:

Listed in TOXIC SUBSTANCES CONTROL ACT (TSCA)

15.2. Chemical Safety Assessment

For this substance a chemical safety assessment is not required.

16. Other information

Full text of classification in section 3:

Acute Tox. 4 / H302	Acute toxicity (oral)	Harmful if swallowed.
Acute Tox. 3 / H331	Acute toxicity (inhalative)	Toxic if inhaled.
Eye Dam. 1 / H318	Serious eye damage/eye irritation	Causes serious eye damage.
Repr. 1B / H360	Reproductive toxicity	May damage the unborn child. Suspected of damaging fertility.
STOT SE 3 / H335	Specific target organ toxicity (single exposure)	May cause respiratory irritation.
Ox. Sol. 2 / H272	Oxidising solids	May intensify fire; oxidiser.

Additional information

Classification for mixtures and used evaluation method according to GHS

The information supplied on this safety data sheet is correct to the best of our knowledge. Without written approval, the product must not be used for purposes different from those mentioned in chapter 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.