

Printing date 10.12.2024

Version no: 3

Revision 10.12.2024

Trade name: LITH OMEGA

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier**Trade name: LITH OMEGA
UFI: 3J10-9066-300H-R04E**1.2 Application of the mixture: Intensifier after Lith Development****1.3 Details of the supplier of the safety data sheet**

Manufacturer/Supplier:

Moersch Photochemie
Am Heideberg 48
50354 Hürth
Tel.: + 49(0)2233-943137
Fax: + 49(0)2233-943138
E-Mail: wolfgang@moersch-photochemie.de
www.moersch-photochemie.de**1.4 Emergency telephone number:**

Poison Information Centre Berlin (Germany): +49 (0) 30 - 30686 790

SECTION 2: Hazards identification

Classification of the mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)



GHS05, GHS07

Signal word Danger

Hazard statements

H302 Harmful if swallowed

H315 Causes skin irritation

H318 Causes serious eye damage

Precautionary statements Precautionary statements - prevention

P270 Do not eat, drink or smoke when using this product

P280 Wear protective gloves/eye protection

Precautionary statements - response

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P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P310 Immediately call a POISON CENTER/doctor

2.2 Label elements

- . Labelling according to Regulation (EC) No 1272/2008
The product is classified and labelled according to the CLP regulation.
- . Hazard pictogram



Labelling of packages where the contents do not exceed 125 ml

Signal word: Warning

Hazard statements

H302 Harmful if swallowed

Precautionary statements

P280 Wear protective gloves / eye protection

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell

P302+P352 IF ON SKIN: Wash with plenty of water

2.3 Other hazards

Results of PBT and vPvB assessment

According to the results of its assessment, this substance is not a PBT or a vPvB.

Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of $\geq 0,1\%$.

SECTION 3: Composition/information on ingredients

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Chemical characterisation: Mixture

Description: Mixture of substances below and with nonhazardous additions

Dangerous components:

CAS: 10361-29-2 EC No: 233-786-0	Ammonium carbonate	15-20%
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For full text of abbreviations: see SECTION 16

SECTION 4: First aid measures**4.1 Description of first aid measures**

General information: Take off contaminated clothing

After skin contact: Immediately rinse with water.

After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing: If symptoms persist consult doctor.

4.2 Most important symptoms and effects, both acute and delayed

Irritation, Gastrointestinal complaints, Diarrhoea, Abdominal pain, Nausea, Vomiting

4.3 Indication of any immediate medical attention and special treatment needed
none**SECTION 5: Firefighting measures****5.1 Extinguishing media**

Suitable extinguishing agents:

co-ordinate firefighting measures to the fire surroundings!

water, foam, alcohol resistant foam, dry extinguishing powder, ABC-powder

Unsuitable extinguishing media

water jet

5.2 In case of fire may be liberated:Carbon monoxide (CO), Carbon dioxide (CO₂)**5.3 Advice for firefighters**

In case of fire and/or explosion do not breathe fumes. Fight fire with normal precautions from a reasonable distance. Wear self-contained breathing apparatus.

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SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Wear

protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

6.2 Environmental precautions:

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Ensure adequate ventilation.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

SECTION 7: Handling and storage**7.1 Precautions for safe handling****Provision of sufficient ventilation.**

Measures to prevent fire as well as aerosol and dust generation

Advice on general occupational hygiene

Wash hands before breaks and after work. Keep away from food, drink and animal feedingstuffs.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed.

Incompatible substances or mixtures

Observe hints for combined storage. Incompatible materials: see section 10.

Consideration of other advice: Ventilation requirements

Use local and general ventilation.

Specific designs for storage rooms or vessels

Recommended storage temperature: 15 – 25 °C

7.3 Specific end use(s)

Alkali for 2-tray lith printing

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SECTION 8: Exposure controls/personal protection**8.1 Control parameters****National limit values****Occupational exposure limit values (Workplace Exposure Limits)**

No data available.

8.2 Exposure controls**Individual protection measures (personal protective equipment)****Eye/face protection**

Use safety goggle with side protection.

Skin protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374.

Type of material

NBR (nitrile rubber)

Material thickness

>0,11 mm

Breakthrough times of the glove material

>480 minutes (permeation: level 6)

SECTION 9: Physical and chemical properties

-General information	
Form:	fluid
Colour:	colourless
Odour:	ammonia-like
Change in condition	
Melting point:	Not determined
Melting range:	Not determined
Flash point	Not applicable
Flammability	Not applicable
Danger of explosion	Not applicable
Vapour pressure at 20° C	6,9 hPa
Density at 20° C	1.12 g/cm ³
Solubility in/Miscibility with water	Fully miscible
pH-Value at 20° C	11
Solvent content	
Organic solvents:	0 %
Water:	>80 %
VOC (EU):	0 %

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SECTION 10: Stability and reactivity**10.1 Reactivity**

This mixture is not reactive under normal ambient conditions.

10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Possibility of hazardous reactions

Violent reaction with: Strong oxidisers

10.4 Conditions to avoid

UV-radiation/sunlight. Keep away from heat and cold.

10.5 Incompatible materials

There is no additional information.

10.6 Hazardous decomposition products

Hazardous combustion products: see section 5.

SECTION 11: Toxicological information**Information on hazard classes as defined in Regulation (EC) No 1272/2008**

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification according to GHS (1272/2008/EC, CLP) Acute toxicity

Harmful if swallowed.

Acute toxicity

Dermal LD50 >2000 mg/kg rat

Oral LD50 1800 mg/kg rat

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

Causes serious eye damage.

Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

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Carcinogenicity

Shall not be classified as carcinogenic.

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

Symptoms related to the physical, chemical and toxicological characteristics

- If swallowed diarrhoea, vomiting, nausea, spasms
- If in eyes Causes serious eye damage, risk of blindness
- If inhaled

If decomposition products are inhaled the following symptoms can occur: cough, Dyspnoea

- If on skin

Causes skin irritation

- Other information

none

SECTION 12: Ecological information**12.1 Toxicity**

Shall not be classified as hazardous to the aquatic environment.

12.2 Persistence and degradability: No further relevant information available.

12.3 Bioaccumulative potential: No further relevant information available.

12.4 Mobility in soil: No further relevant information available.

12.5 Results of PBT and vPvB assessment

Does not contain a PBT-/vPvB-substance at a concentration of $\geq 0,1\%$.

12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (ED) at a concentration of $\geq 0,1\%$.

12.7 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations**13.1 Waste treatment methods**

This material and its container must be disposed of as hazardous waste. Dispose of contents/container in accordance with local/regional/national/international regulations.

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Sewage disposal-relevant information

Do not empty into drains.

Waste treatment of containers/packageings

It is a dangerous waste; only packageings which are approved (e.g. acc. to ADR) may be used. Handle contaminated packages in the same way as the substance itself. Completely emptied packages can be recycled.

13.2 Relevant provisions relating to waste

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

Properties of waste which render it hazardous

HP 4 irritant - skin irritation and eye damage

HP 6 acute toxicity

13.3 Remarks

Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities. Please consider the relevant national or regional provisions. Non-contaminated packages may be recycled.

SECTION 14: Transport information

14.1 UN number or ID number	not subject to transport regulations
14.2 UN proper shipping name	not assigned
14.3 Transport hazard class(es)	not assigned
14.4 Packing group	not assigned
14.5 Environmental hazards	non-environmentally hazardous acc. to the dangerous goods regulations
14.06 Special precautions for user	There is no additional information.

14.7 Maritime transport in bulk according to IMO instruments

The cargo is not intended to be carried in bulk.

14.8 Information for each of the UN Model Regulations

Transport of dangerous goods by road, rail or inland waterway (ADR/RID/ADN) -

Additional information Not subject to ADR, RID and ADN regulations.

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International Maritime Dangerous Goods Code (IMDG) - Additional information

Not subject to IMDG

International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information

Not subject to ICAO-IATA.

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

There is no additional information

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

H302 Harmful if swallowed.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

DNEL: Derived No-Effect Level (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative