

Safety Data Sheet

Revision date: March 25th, 2019

Version: H

SDS number: 10050275

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1. Product identifier:

Product Name: iPlate Cleaner

Product Code: 29822

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

Identified uses:

For use as a plate cleaner in the lithographic printing industry. Plate cleaner.

Uses advised against:

No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet:

Manufacturer: Glunz & Jensen A/S
Lindholm Havnevej 29
DK - 5800 Nyborg
Denmark

Phone: +45 5768 8181

Fax: +45 5768 8340

E-mail: gjhq@glunz-jensen.com

1.4 Emergency

phone number: For Chemical Emergency Spill Leak Fire Exposure or Accident Call
CHEMTROX-TROTTERS day or night: International call: 0045 4011 4300, +45 4011 4300,
or 011 45 4011 4300 (US and Canada).

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

Classification (EC 1272/2008):

Physical and chemical hazards: Not classified.

Human health: Skin Irrit. 2 - H315. Eye Irrit. 2 - H319.

Environment: Aquatic Chronic 3 - H412.

Classification (1999/45/EEC):

Xi;R38, R52/53.

The full text for all risk phrases and hazard statements are displayed in section 16.

Human health

The product contains a small amount of sensitising substance. May cause skin sensitisation or allergic reactions in sensitive individuals. Causes skin and eye irritation.

Environment

Harmful to aquatic life with long lasting effects.

2.2 Label elements:

Hazard pictograms:



Signal word:

Warning.

Hazard statements:

EUH208 Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

H412 - Harmful to aquatic life with long lasting effects.

Detergent labelling:

15 - < 30% aliphatic hydrocarbons, < 5% anionic surfactants, < 5% phosphates.

Contains Benzisothiazolinone, Formaldehyde

Precautionary statements:

P264 - Wash contaminated skin thoroughly after handling.

P273 - Avoid release to the environment.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P337+313 - If eye irritation persists: Get medical advice/attention.

P501 - Dispose of contents/container in accordance with national regulations.

Supplementary precautionary statements:

P302+352 - IF ON SKIN: Wash with plenty of water.

P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P321 - Specific treatment (see medical advice on this label).

P332+313 - If skin irritation occurs: Get medical advice/attention.

P362+364 - Take off contaminated clothing and wash it before reuse.

2.3 Other hazards:

Not classified as PBT/vPvB by current EU criteria.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Mixtures:

| Name | EC No. | CAS No. | Content | Classification EC 1272/2008 | Classification 67/548/EEC |
|---|-----------|------------|----------|---|---|
| 1,2-Benzisothiazol-3(2h)-one | 220-120-9 | 2634-33-5 | < 0.1% | Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Skin Sens. 1 - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410 | Xn;R22 R43 Xi;R38,R41 N;R50 |
| Citric Acid | 201-069-1 | 77-92-9 | 3 - 5% | Eye Irrit. 2 - H319 | Xi; R36 |
| Phosphoric Acid ...% | 231-633-2 | 7664-38-2 | 1 < 3% | Met. Corr. 1 - H290 Skin Corr. 1B - H314 Eye Dam. 1 - H318 | C; R34 |
| Destillates (Petroleum) Hydrotreated Light | 265-149-8 | 64742-47-8 | 10 - 20% | Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H336 Asp. Tox. 1 - H304 Aquatic Chronic 2 - H411 | Xn;R65 Xi;R36/38 N;R51/53 R10 R67 |

The full text for all risk phrases and hazard statements are displayed in section 16.

4. FIRST AID MEASURES

4.1 Description of first aid measures:

Inhalation:

Move the exposed person to fresh air at once. For breathing difficulties oxygen may be necessary. If breathing stops, provide artificial respiration. Keep the affected person warm and at rest. Get prompt medical attention.

Ingestion:

DO NOT INDUCE VOMITING! If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Remove victim immediately from source of exposure. Rinse mouth thoroughly. Provide rest, warmth and fresh air. Get medical attention immediately!

Skin contact:

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.

Eye contact:

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Contact physician if irritation persists.

4.2 Most important symptoms and effects, both acute and delayed:

Inhalation:

Upper respiratory irritation. Drowsiness, dizziness, disorientation, vertigo.

Ingestion:

May cause discomfort if swallowed.

Skin contact:

Irritating. Prolonged contact may cause redness, irritation and dry skin. Mild dermatitis, allergic skin rash.

Eye contact:

Irritating to eyes. Prolonged contact may cause redness and/or tearing.

4.3 Indication of any immediate medical attention and special treatment needed:

No specific first aid measures noted.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media:

Extinguishing media:

The product is non-combustible. Use: carbon dioxide (CO₂), alcohol resistant foam, dry chemicals, sand, dolomite etc.

Unsuitable extinguishing media:

DO NOT use water if avoidable.

5.2 Special hazards arising from the substance or mixture:

Hazardous combustion products:

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

Unusual Fire & Explosion Hazards:

No unusual fire or explosion hazards noted.

5.3 Advice for firefighters:

Special fire fighting procedures:

Avoid breathing fire gases or vapours. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

Protective equipment for fire-fighters:

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Wear protective clothing as described in section 8 of this safety data sheet.

6.2 Environmental precautions:

Do not discharge onto the ground or into water courses.

6.3 Methods and material for containment and cleaning up:

Avoid contact with skin or inhalation of spillage, dust or vapour. Absorb in vermiculite, dry sand or earth and place into containers. Runoff or release to sewer, waterway or ground is forbidden.

6.4 Reference to other sections:

For waste disposal, see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling:

Avoid spilling, skin and eye contact.

7.2 Conditions for safe storage, including any incompatibilities:

Store in tightly closed original container in a dry, cool and well-ventilated place.

7.3 Specific end use(s):

For use as a plate cleaner in lithographic printing industry.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters:

| Name | Std | TWA - 8 Hrs | | STEL - 15 Min | | Notes |
|---|-------|-------------|-----------------------|---------------|---------------------|--|
| phosphoric acid ...% | WEL | | 1 mg/m ³ | | 2 mg/m ³ | |
| distillates (petroleum) hydrotreated light | ACGIH | | 200 mg/m ³ | | | SUP 400 ppm/ 1600mg/m ³ |

Ingredient comments:

WEL = Workplace Exposure Limits ; SUP = Supplier's recommendation; ACGIH = US Standard

| Name | DNEL | |
|----------------------|--|---|
| phosphoric acid ...% | Workers - Inhalation: Long term systemic effects: 10.7 mg/m ³ Long term local effects: 1 mg/m ³ Short term local effects: 2 mg/m ³ | General population - Inhalation: Long term systemic effects: 4.57 mg/m ³ Long term local effects: 0.36 mg/m ³ |

8.2 Exposure controls:

Protective equipment:



Engineering measures:

Provide adequate general and local exhaust ventilation.

Respiratory equipment:

Respiratory protection must be used if air contamination exceeds acceptable level.

Hand protection:

Use protective gloves made of: polyvinyl alcohol (PVA), viton rubber (fluor rubber).

Eye protection:

Use approved safety goggles or face shield.

Other protection:

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures:

Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly with soap and water if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke. DO NOT SMOKE IN WORK AREA!

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

| | |
|--|--|
| Appearance: | Viscous emulsion. |
| Colour: | Tan. |
| Odour: | Hydrocarbon. |
| Solubility: | Miscible with water. |
| Initial boiling point (°C) and boiling range: | 100 °C (217 °F) at 760 mm HG. |
| Melting point (°C): | Not applicable. |
| Relative density: | 1.02 at 20°C. |
| Bulk density: | Not applicable. |
| Vapour density (air = 1): | > 1. |
| Vapour pressure: | No information available. |
| Evaporation rate: | No information available. |
| pH value, conc. solution: | 1 - 2. |
| Viscosity: | Kinematic viscosity > 20.5 mm ² /s at 40°C |
| Solubility value (G/100G H₂O at 20°C): | No information available. |
| Decomposition temperature (°C): | No information available. |
| Odour threshold, lower: | No information available. |
| Odour threshold, upper: | No information available. |
| Flash point: | > 40°C (104°F) TCC (tag closed cup). |
| Auto ignition temperature (°C): | No information available. |
| Flammability limit - lower (%): | No information available. |
| Flammability limit - upper (%): | No information available. |
| Partition coefficient (n-octanol/water): | No information available. |
| Oxidising properties: | Not applicable. |
| Comments: | Does not support combustion at 75°C (ISO 9038). Information declared as "Not available" or "Not applicable" is not considered to be justified for enabling proper control measures to be taken. |

9.2 Other information:

Volatile organic compound (VOC) 198 g/l.

10. STABILITY AND REACTIVITY

10.1 Reactivity:

No specific reactivity hazard associated with this product.

10.2 Chemical stability:

Stable under normal temperature conditions.

10.3 Possibility of hazardous reactions:

Hazardous polymerisation - will not polymerise.

10.4 Conditions to avoid:

Avoid heat.

10.5 Incompatible materials:

Materials to avoid - strong oxidising substances, strong reducing agents, strong acids, strong alkalis.

10.6 Hazardous decomposition products:

Fire creates vapours/gases/fumes of - carbon monoxide (CO), carbon dioxide (CO₂), nitrous gases (NO_x), sulphurous gases (SO_x).

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

Acute toxicity - Oral:

Notes (oral LD₅₀)

Based on available data the classification criteria are not met.

ATE oral (mg/kg) - 41,379.31

Acute toxicity - Dermal:

Notes (dermal LD₅₀)

Based on available data the classification criteria are not met.

Acute toxicity - Inhalation:

Notes (inhalation LC₅₀)

Based on available data the classification criteria are not met.

Skin corrosion/irritation:

Irritating.

Serious eye damage/irritation:

Causes serious eye irritation.

Respiratory sensitisation:

Based on available data the classification criteria are not met.

Skin sensitisation:

The product contains a small amount of sensitising substance. May cause skin sensitisation or allergic reactions in sensitive individuals.

Germ cell mutagenicity:

Based on available data the classification criteria are not met.

Carcinogenicity:

Based on available data the classification criteria are not met.

Reproductive toxicity - fertility:

Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure:

STOT single exposure May cause drowsiness or dizziness.

Specific target organ toxicity - repeated exposure:

STOT repeated exposure Based on available data the classification criteria are not met.

Aspiration hazard:

Not anticipated to present an aspiration hazard, based on chemical structure.

Inhalation:

Contains organic solvents which in case of overexposure may depress the central nervous system causing dizziness and intoxication. Vapour may irritate respiratory system or lungs.

Ingestion:

May cause discomfort if swallowed.

Skin contact:

May cause sensitisation by skin contact. Irritating to skin.

Eye contact:

Splashes may irritate.

Route of entry:

Skin and/or eye contact, inhalation.

Medical symptoms:

Irritation of eyes and mucous membranes. Skin irritation. Drowsiness, dizziness, disorientation, vertigo.

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Harmful to aquatic life with long lasting effects. The product may affect the acidity (pH) of water which may have hazardous effects on aquatic organisms.

12.1 Toxicity:

Acute toxicity - fish:

Not known.

Acute toxicity - aquatic invertebrates:

Not known.

Acute toxicity - aquatic plants:

Not known.

Ecological information on ingredients:**DISTILLATES (PETROLEUM) HYDROTREATED LIGHT****Acute toxicity:**

fish: LL₅₀ 96 hours: 2mg/l, Oncorhynchus mykiss (Rainbow trout)
aquatic invertebrates: EL₅₀ 48 hours: 1.4 mg/l, Daphnia magna
aquatic plants: EL₅₀ 72 hours: 1mg/l, Pseudokirchneriella subcapitata

12.2 Persistence and degradability:**Degradability:**

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer. There are no data on the degradability of this product.

Distillates (Petroleum) Hydrotreated Light:

The product is readily biogradable.

12.3 Bioaccumulative potential:**Bioaccumulative potential:**

No data available on bioaccumulation.

Partition coefficient:

No information available.

12.4 Mobility in soil:**Mobility:**

The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces. The product is miscible with water. May spread in water systems.

12.5 Results of PBT and vPvB assessment:

Not classified as PBT/vPvB by current EU criteria.

12.6 Other adverse effects:

Not known.

13. DISPOSAL CONSIDERATIONS

General information:

When handling waste, consideration should be to the safety precautions applying to handling of the product.

13.1 Waste treatment methods:

Dispose of waste and residues in accordance with local authority requirements.

14. TRANSPORT INFORMATION

General:

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1 UN number:

Not applicable.

14.2 UN proper shipping name:

Not applicable.

14.3 Transport hazard class(es):

Not applicable.

Transport labels - no transport warning sign required.

14.4 Packing group:

Not applicable.

14.5 Environmental hazards:

Environmentally Hazardous Substance/Marine Pollutant:

No.

14.6 Special precautions for user:

Not applicable.

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:

Not applicable.

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**Guidance notes:**

Workplace Exposure Limits EH40.

EU Legislation:

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixture (as amended).

15.2 Chemical Safety Assessment:

No chemical safety assessment has been carried out.

Inventories:**US - TSCA**

All the ingredients are listed or exempt.

US - TSCA 12(b) Export Notification

Not listed.

16. OTHER INFORMATION

Abbreviations and acronyms used in the safety data sheet:

CAS - Chemical Abstract Service.

PBT - Persistent, Bioaccumulative and Toxic substance.

vPvB - Very Persistent and Very Bioaccumulative.

DNEL - Derived No Effect Level.

PNEC - Predicted No Effect Concentration.

ATE - Acute Toxicity Estimate.

LC₅₀ - Lethal Concentration to 50% of a test population.

LC₅₀ - Lethal Dose to 50% of a test population (Median Lethal Dose).

EC₅₀ - 50% of maximal Effective Concentration.

IMDG - International Maritime Dangerous Goods.

ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road.

UN - United Nations.

MARPOL 73/78 - International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978.

IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk (International Bulk Chemical Code).

GHS - Globally Harmonized System.

Classification abbreviations and acronyms:

Aquatic Acute - Hazardous to the aquatic environment (acute)

Aquatic Chronic - Hazardous to the aquatic environment (chronic)

Asp. Tox. - Aspiration hazard

Eye Irrit. - Eye Irritation

Eye Dam. - Serious eye damage

Flam. Liq. - Flammable liquid

Met. Corr. - Corrosive to metals

Skin Corr. - Skin corrosion

Skin Irrit. - Skin irritation

Skin Sens. - Skin sensitisation

STOT SE - Specific target organ toxicity-single exposure

Key literature references and sources for data:

Material Safety Data Sheet, miscellaneous manufacturers.

Classification procedures according to Regulation (EC) 1272/2008:

Calculation method. On basis of test data.

Revision Date: 25.03.2019

Revision Note: new SDS format

Risk phrases in full:

R10 - Flammable.
R22 - Harmful if swallowed.
R34 - Causes burns.
R36 - Irritating to eyes.
R36/38 - Irritating to eyes and skin.
R38 - Irritating to skin.
R41 - Risk of serious damage to eyes.
R43 - May cause sensitisation by skin contact.
R50 - Very toxic to aquatic organisms.
R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65 - Harmful: may cause lung damage if swallowed.

Hazard statements in full:

H226 - Flammable liquid and vapour.
H290 - May be corrosive to metals.
H302 - Harmful if swallowed.
H304 - May be fatal if swallowed and enters airways.
H314 - Causes severe skin burns and eye damage.
H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H318 - Causes serious eye damage.
H319 - Causes serious eye irritation.
H336 - May cause drowsiness or dizziness.
H400 - Very toxic to aquatic life.
H410 - Very toxic to aquatic life with long lasting effects.
H411 - Toxic to aquatic life with long lasting effects.
H412 - Harmful to aquatic life with long lasting effects.
EUH208 Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.