



SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Important information *** This Safety Data Sheet is only authorised for use by HP for HP Original products. Any unauthorised use of this Safety Data Sheet is strictly prohibited and may result in legal action being taken by HP. ***

1.1. Product identifier

Trade name or designation of the mixture F0L91Series
Registration number -
Synonyms HP 2580 Black Solvent Ink
Issue date 17-Jul-2017
Version number 04
Revision date 14-Sep-2020
Supersedes date 27-Apr-2020

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

Identified uses Inkjet printing
Uses advised against None known.

1.3. Details of the supplier of the safety data sheet

HP PPS Austria GmbH
Wienerbergstrasse 41, 3rd Floor
Wien, Austria 1120

Telephone +43 (1) 81118-0000

HP Inc. health effects line

(Toll-free within the US) 1-800-457-4209

(Direct) 1-760-710-0048

HP Inc. Customer Care Line

(Toll-free within the US) 1-800-474-6836

(Direct) 1-208-323-2551

Email: hpcustomer.inquiries@hp.com

1.4 Emergency telephone number +43 (1) 406 43 43

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 as amended

Physical hazards

| | | |
|-------------------|------------|---|
| Flammable liquids | Category 2 | H225 - Highly flammable liquid and vapor. |
|-------------------|------------|---|

Health hazards

| | | |
|-----------------------------------|------------|-----------------------------------|
| Serious eye damage/eye irritation | Category 1 | H318 - Causes serious eye damage. |
|-----------------------------------|------------|-----------------------------------|

Environmental hazards

| | | |
|--|------------|---|
| Hazardous to the aquatic environment, long-term aquatic hazard | Category 3 | H412 - Harmful to aquatic life with long lasting effects. |
|--|------------|---|

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Contains: Acetone, C.I. Solvent Orange 11, Chromium, 1-[2-[5-(1,1-dimethylpropyl)-2-hydroxy-3-nitrophenyl]diazonyl]-2-naphthalenol 1-[2-[2-hydroxy-4(or 5)-nitrophenyl]diazonyl]-2-naphthalenol Ammonium Sodium Complexes, Cyclohexanone, Ethyl Alcohol

Hazard pictograms



Signal word

Danger

Hazard statements

H225 Highly flammable liquid and vapor.
H318 Causes serious eye damage.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

Prevention

P280 Wear protective gloves/protective clothing/eye protection/face protection.
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233 Keep container tightly closed.
P240 Ground/Bond container and receiving equipment.
P241 Use explosion-proof electrical/ventilating/lighting/equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P273 Avoid release to the environment.

Response

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P310 Immediately call a POISON CENTER or doctor/physician.
P370 + P378 In case of fire: Use CO2 to extinguish.

Storage

P403 + P235 Store in a well-ventilated place. Keep cool.

Disposal

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Supplemental label information

EUH208 - Contains tinting agent. May produce an allergic reaction.

2.3. Other hazards

Prolonged or repeated skin contact may cause drying, cracking, or irritation. May produce an allergic reaction. Potential routes of exposure to this product are skin and eye contact, ingestion, and inhalation.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

| Chemical name | % | CAS-No. / EC No. | REACH Registration No. | Index No. | Notes |
|---|---|---------------------------|------------------------|--------------|-------|
| Ethyl Alcohol | <80 | 64-17-5 200-578-6 | - | 603-002-00-5 | |
| Classification: | Flam. Liq. 2;H225 | | | | |
| Cyclohexanone | <10 | 108-94-1 203-631-1 | 01-2119453616-35-XXXX | 606-010-00-7 | # |
| Classification: | Flam. Liq. 3;H226, Acute Tox. 4;H302, Acute Tox. 4;H312, Skin Irrit. 2;H315, Eye Dam. 1;H318, Acute Tox. 4;H332 | | | | |
| Acetone | <7.5 | 67-64-1 200-662-2 | - | 606-001-00-8 | # |
| Classification: | Flam. Liq. 2;H225, Eye Irrit. 2;H319, STOT SE 3;H336 | | | | |
| Chromium, 1-[2-[5-(1,1-dimethylpropyl)-2-hydroxy-3-nitrophenyl]diazenyl]-2-naphthalenol or 1-[2-[2-hydroxy-4(or 5)-nitrophenyl]diazenyl]-2-naphthalenol Ammonium Sodium Complexes | <5 | 1029600-34-7 700-174-4 | - | - | |
| Classification: | Aquatic Chronic 2;H411 | | | | |
| C.I. Solvent Orange 11 | <1 | 61725-76-6 | - | - | |
| Classification: | Skin Sens. 1;H317, Aquatic Acute 1;H400, Aquatic Chronic 1;H410 | | | | |

SECTION 4: First aid measures

| | |
|--|---|
| General information | Not available. |
| 4.1. Description of first aid measures | |
| Inhalation | Move person to fresh air immediately. If symptoms persist, get immediate medical attention. |
| Skin contact | In case of contact, immediately remove contaminated clothing and flush skin with copious amounts of water. Wash clothing separately before reuse. Get medical attention, if needed. |
| Eye contact | In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention immediately. |
| Ingestion | Rinse mouth out with water. If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately. |
| 4.2. Most important symptoms and effects, both acute and delayed | Not available. |
| 4.3. Indication of any immediate medical attention and special treatment needed | Not available. |

SECTION 5: Firefighting measures

| | |
|---|---|
| General fire hazards | Not available. |
| 5.1. Extinguishing media | |
| Suitable extinguishing media | Suitable extinguishing media: sand, carbon dioxide (CO ₂) or dry chemical. |
| Unsuitable extinguishing media | Not available. |
| 5.2. Special hazards arising from the substance or mixture | Not available. |
| 5.3. Advice for firefighters | |
| Special protective equipment for firefighters | Firefighters should wear full protective clothing including self contained breathing apparatus. Avoid runoff into storm sewers and ditches which lead to waterways. |
| Special fire fighting procedures | Move containers from fire area if you can do it without risk. |

SECTION 6: Accidental release measures

| | |
|---|--|
| 6.1. Personal precautions, protective equipment and emergency procedures | |
| For non-emergency personnel | Avoid contact with skin. Avoid inhalation of vapors or mists. Do not touch or walk through spilled material. Ensure adequate ventilation. Remove all sources of ignition. Use personal protective equipment to minimize exposure to skin and eye. In the case of vapor formation use a respirator with an approved filter. |
| For emergency responders | Not available. |
| 6.2. Environmental precautions | Do not flush into surface water or sanitary sewer system. |
| 6.3. Methods and material for containment and cleaning up | Not available. |
| 6.4. Reference to other sections | Not available. |

SECTION 7: Handling and storage

| | |
|--|---|
| 7.1. Precautions for safe handling | Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists of this product. Use with adequate ventilation. Wear personal protective equipment. |
| 7.2. Conditions for safe storage, including any incompatibilities | Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks and flame. |
| 7.3. Specific end use(s) | Not available. |

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Austria. MAK List, OEL Ordinance (GwV), BGBl. II, no. 184/2001

| Components | Type | Value |
|------------------------------|---------|------------------------------------|
| Acetone (CAS 67-64-1) | MAK | 1200 mg/m ³ 500 ppm |
| | STEL | 4800 mg/m ³ 2000 ppm |
| Cyclohexanone (CAS 108-94-1) | MAK | 20 mg/m ³ 5 ppm |
| | STEL | 80 mg/m ³ 20 ppm |
| Ethyl Alcohol (CAS 64-17-5) | Ceiling | 3800 mg/m ³ 2000 ppm |
| | MAK | 1900 mg/m ³ 1000 ppm |

EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU

| Components | Type | Value |
|------------------------------|------|-----------------------------------|
| Acetone (CAS 67-64-1) | TWA | 1210 mg/m ³ 500 ppm |
| | STEL | 81.6 mg/m ³ 20 ppm |
| Cyclohexanone (CAS 108-94-1) | TWA | 40.8 mg/m ³ 10 ppm |

Biological limit values No biological exposure limits noted for the ingredient(s).

Recommended monitoring procedures Not available.

Derived no effect levels (DNELs)

| Components | Type | Route | Value | Form |
|------------------------------|---------|------------|----------------------|---------------------|
| Cyclohexanone (CAS 108-94-1) | Workers | Dermal | 4 mg/kg bw/d | Systemic Long Term |
| | | Dermal | 4 mg/kg bw/d | Systemic Short Term |
| | | Inhalation | 80 mg/m ³ | Local short term |
| | | Inhalation | 80 mg/m ³ | Systemic short term |
| | | Inhalation | 40 mg/m ³ | Local long term |
| | | Inhalation | 40 mg/m ³ | Systemic long term |

Predicted no effect concentrations (PNECs)

| Components | Type | Route | Value | Form |
|------------------------------|----------------|--------------|--------------|------------------------|
| Cyclohexanone (CAS 108-94-1) | Not applicable | Intermittent | 0.329 mg/l | Releases |
| | | Marine water | 0.00329 mg/l | |
| | | Sediment | 0.168 mg/kg | Freshwater |
| | | Sediment | 0.0168 mg/kg | Marine water |
| | | Soil | 0.0143 mg/kg | |
| | | STP | 10 mg/l | Sewage Treatment Plant |

Exposure guidelines

Austria MAK: Skin designation

Cyclohexanone (CAS 108-94-1)

Can be absorbed through the skin.

8.2. Exposure controls

Appropriate engineering controls Not available.

Individual protection measures, such as personal protective equipment

General information Not available.

Eye/face protection Wear safety glasses; chemical goggles (if splashing is possible).
Eye wash fountain and emergency showers are recommended.

Skin protection

| | |
|---------------------------------|--|
| - Hand protection | Recommended gloves: Nitrile 6 mil minimum thickness. |
| - Other | Wear appropriate chemical resistant clothing. |
| Respiratory protection | Provide adequate ventilation. In case of insufficient ventilation wear suitable respiratory equipment. |
| Thermal hazards | Not available. |
| Hygiene measures | Do not get this material in contact with skin. Avoid contact with skin, eyes and clothing. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product. Launder contaminated clothing before reuse. |
| Environmental exposure controls | Not available. |

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

| | |
|--|--------------------------------------|
| Physical state | Not available. |
| Form | Liquid. |
| Color | Black. |
| Odor | Solvent. |
| Odor threshold | Not available. |
| pH | Not available. |
| Melting point/freezing point | Not available. |
| Initial boiling point and boiling range | Not available. |
| Flash point | 41.0 °F (5.0 °C) Setafash Closed Cup |
| Evaporation rate | Not available. |
| Flammability (solid, gas) | Not available. |
| Upper/lower flammability or explosive limits | |
| Flammability limit - lower (%) | Not available. |
| Flammability limit - upper (%) | Not available. |
| Vapor pressure | Not available. |
| Vapor density | Not available. |
| Solubility(ies) | |
| Solubility (water) | Not available. |
| Partition coefficient (n-octanol/water) | Not available. |
| Auto-ignition temperature | Not available. |
| Decomposition temperature | Not available. |
| Viscosity | Not available. |
| Explosive properties | Not available. |
| Oxidizing properties | Not available. |

9.2. Other information

| | |
|-----|--------------------------|
| VOC | 743 g/l US EPA Method 24 |
|-----|--------------------------|

SECTION 10: Stability and reactivity

| | |
|--|------------------------------|
| 10.1. Reactivity | Not available. |
| 10.2. Chemical stability | Stable at normal conditions. |
| 10.3. Possibility of hazardous reactions | None known. |
| 10.4. Conditions to avoid | Heat, flames and sparks. |
| 10.5. Incompatible materials | Not available. |
| 10.6. Hazardous decomposition products | Not available. |

SECTION 11: Toxicological information

| | |
|---------------------|----------------|
| General information | Not available. |
|---------------------|----------------|

Information on likely routes of exposure

| | |
|---------------------|---|
| Inhalation | Inhalation may result in mild irritation to the respiratory system. |
| Skin contact | Contact with skin may result in mild irritation. |
| Eye contact | Causes serious eye damage. |
| Ingestion | Ingestion is not a likely route of exposure. |

Symptoms Not available.

11.1. Information on toxicological effects

Acute toxicity Based on available data, the classification criteria are not met.

| Components | Species | Test Results |
|-------------------|----------------|---------------------|
|-------------------|----------------|---------------------|

Cyclohexanone (CAS 108-94-1)

Acute

Inhalation

Vapor

LC50

Rat

> 6.2 mg/l, 4 Hours

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation Causes serious eye damage.

Respiratory sensitization Based on available data, the classification criteria are not met.

Skin sensitization Based on available data, the classification criteria are not met.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

IARC Monographs. Overall Evaluation of Carcinogenicity

Cyclohexanone (CAS 108-94-1)

3 Not classifiable as to carcinogenicity to humans.

Reproductive toxicity Based on available data, the classification criteria are not met.

Specific target organ toxicity - single exposure Based on available data, the classification criteria are not met.

Specific target organ toxicity - repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

Mixture versus substance information Not available.

Other information Complete toxicity data are not available for this specific formulation
Refer to Section 2 for potential health effects and Section 4 for first aid measures.

SECTION 12: Ecological information

12.1. Toxicity

Aquatic toxicity Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

LC50/96h/rainbow trout =<100 mg/l and >10 mg/l.

| Components | Species | Test Results |
|-------------------|----------------|---------------------|
|-------------------|----------------|---------------------|

Ethyl Alcohol (CAS 64-17-5)

Aquatic

Crustacea

EC50

Daphnia

9268, 48 Hours

Fish

LC50

Fish

12900, 96 Hours

12.2. Persistence and degradability Not available.

12.3. Bioaccumulative potential Not available.

Partition coefficient n-octanol/water (log Kow)

Acetone

-0.24

Cyclohexanone

0.81

Ethyl Alcohol

-0.31

Bioconcentration factor (BCF) Not available.

12.4. Mobility in soil Not available.

12.5. Results of PBT and vPvB assessment Not a PBT or vPvB substance or mixture.

12.6. Other adverse effects Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

| | |
|-------------------------------------|--|
| Residual waste | Not available. |
| Contaminated packaging | Not available. |
| EU waste code | Not available. |
| Disposal methods/information | Do not dispose of together with general office waste. Do not allow this material to drain into sewers/water supplies. Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations. Ensure collection and disposal with an appropriately licensed waste contractor. |

SECTION 14: Transport information

DOT

| | |
|-------------------------------------|----------------|
| UN number | UN1210 |
| UN proper shipping name | Printing ink |
| Transport hazard class(es) | |
| Class | 3 |
| Subsidiary risk | - |
| Packing group | II |
| Special precautions for user | Not available. |

DOT Supplemental Information DOT Classification only applies to shipments within the US and Puerto Rico.

IATA

| | |
|-------------------------------------|----------------|
| UN number | UN1210 |
| UN proper shipping name | Printing ink |
| Transport hazard class(es) | |
| Class | 3 |
| Subsidiary risk | - |
| Packing group | II |
| Environmental hazards | No. |
| Special precautions for user | Not available. |

IMDG

| | |
|-------------------------------------|----------------|
| UN number | UN1210 |
| UN proper shipping name | Printing ink |
| Transport hazard class(es) | |
| Class | 3 |
| Subsidiary risk | - |
| Packing group | II |
| Transport hazard class(es) | |
| Marine pollutant | No. |
| EmS | Not available. |
| Special precautions for user | Not available. |

ADR

| | |
|-------------------------------------|----------------|
| UN number | UN1210 |
| UN proper shipping name | Printing ink |
| Transport hazard class(es) | |
| Class | 3 |
| Subsidiary risk | - |
| Hazard No. (ADR) | Not available. |
| Tunnel restriction code | Not available. |
| Packing group | II |
| Environmental hazards | No. |
| Special precautions for user | Not available. |

ADR; IATA; IMDG





SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended

Not listed.

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended

Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended

Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA

Not listed.

Authorizations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended

Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Not listed.

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended

Not listed.

Other EU regulations

Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended

Acetone (CAS 67-64-1)

Cyclohexanone (CAS 108-94-1)

Ethyl Alcohol (CAS 64-17-5)

Other information

This Safety Data Sheet complies with the requirements of Regulation (EU) 2015/830. Classification according to Regulation (EC) No 1272/2008 as amended.

Specific Provisions: Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC (in the amended version OJ L 396 from 29.05.2007 page 3 with further rectifications and amendments).

Other regulations

All chemical substances in this HP product have been notified or are exempt from notification under chemical substances notification laws in the following countries: US (TSCA), EU (EINECS/ELINCS), Switzerland, Canada (DSL/NDSL), Australia, Japan, Philippines, South Korea, New Zealand, and China.

National regulations

Not available.

15.2. Chemical safety assessment

See attached SUMI or GEIS document, if applicable.

SECTION 16: Other information

References

Regulation (EC) No. 1907/2006 of December 18, 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) and establishing a European Chemicals Agency (REACH).

Regulation (EU) 2015/830 of May 28, 2015 amending Regulation (EC) No. 1907/2006.

Regulation (EC) No. 1272/2008 of December 16, 2008 on classification, labeling and packaging of substances and mixtures, and amendments (CLP).

Information on evaluation method leading to the classification of mixture

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

Full text of any H-statements not written out in full under Sections 2 to 15

H225 Highly flammable liquid and vapor.
H226 Flammable liquid and vapor.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
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.

Revision information

1. Product and Company Identification: Alternate Trade Names
Composition / Information on Ingredients: Ingredients
9. Physical & Chemical Properties: Multiple Properties

Training information

Follow training instructions when handling this material.

Disclaimer

This Safety Data Sheet document is provided without charge to customers of HP. Data is the most current known to HP at the time of preparation of this document and is believed to be accurate. It should not be construed as guaranteeing specific properties of the products as described or suitability for a particular application. This document was prepared to the requirements of the jurisdiction specified in Section 1 above and may not meet regulatory requirements in other countries.

Explanation of abbreviations

| | |
|---------------|---|
| ACGIH | American Conference of Governmental Industrial Hygienists |
| CAS | Chemical Abstracts Service |
| CERCLA | Comprehensive Environmental Response Compensation and Liability Act |
| CFR | Code of Federal Regulations |
| COC | Cleveland Open Cup |
| DOT | Department of Transportation |
| EPCRA | Emergency Planning and Community Right-to-Know Act (aka SARA) |
| IARC | International Agency for Research on Cancer |
| NIOSH | National Institute for Occupational Safety and Health |
| NTP | National Toxicology Program |
| OSHA | Occupational Safety and Health Administration |
| PEL | Permissible Exposure Limit |
| RCRA | Resource Conservation and Recovery Act |
| REC | Recommended |
| REL | Recommended Exposure Limit |
| SARA | Superfund Amendments and Reauthorization Act of 1986 |
| STEL | Short-Term Exposure Limit |
| TCLP | Toxicity Characteristics Leaching Procedure |
| TLV | Threshold Limit Value |
| TSCA | Toxic Substances Control Act |
| VOC | Volatile Organic Compounds |

Safe Use of Mixture Information (SUMI)

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Solvent based inks: SB01 *English*

Disclaimer


This SUMI is a generic document for communicating conditions of safe use of a product in response to the REACH obligation. This document relates only to conditions of safe use and is not specific to a product. By adding this SUMI to a specific product SDS, the importer/formulator declares that the mixture can safely be used following the instructions below. Following occupational health legislation, the employer of workers remains responsible for communicating relevant use information to employees. When developing workplace instructions for employees, SUMI Sheets should always be considered in combination with the SDS and the label of the product. Derived No Effect Levels (DNEL) and Predicted No Effect Concentration (PNEC) values of substances derived from the Chemical Safety Assessment (CSA) will be given in section 8 of the SDS.

The REACH registration number(s), where applicable, completes an extended product SDS.

Operational conditions

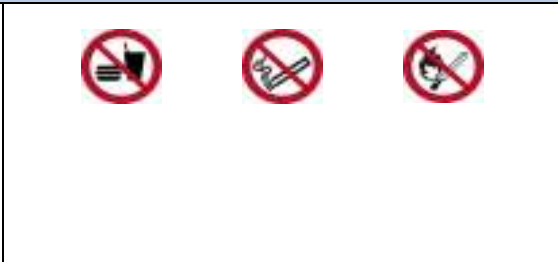
| | |
|------------------------------|--|
| Maximum duration | Up to 8 hours per day |
| Frequency of exposure | < 240 days per year |
| Process conditions | <p>Covers use at ambient temperatures.</p> <p>Use of an integrated local exhaust ventilation is required in drying zone.</p> <p>Adequate ventilation should be provide for the areas where printing is performed. ANSI/ASHRAE Standard 62.1-2013 provides guidelines to ensure acceptable air quality in the workspace.</p> <p>Use explosion proof electrical equipment.</p> <p>Keep emissions below the occupational exposure limits of the ingredients specified in section 8 of the SDS.</p> <p>Avoid direct contact.</p> <p>Regular cleaning of equipment and work area.</p> <p>Supervision in place to check that Risk Management Measures are in place are being correctly used and Operational Conditions followed.</p> |

Risk management measures

| | |
|---|---|
| <p>Conditions and measures related to Personal Protection Equipment, hygiene and health evaluation</p> | <p>Wear safety glasses with side shields (or goggles), if splashing is possible.</p> <p>Wear appropriate chemical resistant gloves: see section 8 of the SDS.</p> <p>Wear appropriate chemical resistant clothing.</p> <p>In case of inadequate ventilation wear respiratory protection.</p> <p>Eye wash fountain and emergency showers are recommended.</p> <p>Avoid breathing mist/vapours.</p> <p>Avoid contact with skin, eyes and clothing.</p> <p>Training of workers in relation to proper use and maintenance of all Personal protection equipment (PPE) must be ensured.</p> |
| |  |

Good practice advice

Use personal protective equipment as required.
 Wash hands before breaks and after work.
 Keep good industrial hygiene and safety practice.
 Use only with adequate ventilation.
 Do no eat, drink or smoke when using this product.
 Wash contaminated clothing before reuse.
 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.
 Store in a well-ventilated place.
 Keep container tightly closed.
 Store at room temperature.



Environmental measures

Do not allow this material to drain into sewers/water supplies.
 Dispose of waste material according to Local, State, Federal and Provincial Environmental Regulations.
 Ensure collection and disposal with appropriately licenced waste contractor.

Use descriptors

| |
|---|
| IS-Use at industrial sites |
| PW-Widespread use by professional workers |
| SU7-Printing and reproduction media |
| PC18-Inks and Toners |
| <p>PROC1-Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions.</p> <p>PROC2-Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions</p> <p>PROC3- Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition</p> <p>PROC8a-Transfer of substance or mixture (charging and discharging) at non-dedicated facilities</p> <p>PROC8b-Transfer of substance or mixture (charging and discharging) at dedicated facilities</p> <p>ERC5-Use at industrial site leading to inclusion into/onto article</p> <p>ERC8c-Widespread use leading to inclusion into/onto article (indoor)</p> |

Additional information on product composition

In section 2 of the SDS as well as on the label, the classification of the mixture is provided.
 The classification of the mixture is based on the individual ingredients and their concentration within the mixture.
 All ingredients contributing to the classification are stated in Section 3 of the SDS.
 Relevant limit values of ingredients on which the exposure assessment is based, are listed in section 8 of the SDS.
 The product may contain sensitizing ingredients that may cause allergic reaction to certain people.
 Section 2 of the SDS states these ingredients where applicable.