

Safety Data Sheet (SDS) Report

Applicant: Yixing Huhua Stationery Co.,Ltd
Zhoutie Town, Yixing City, Jiangsu Province, China.

Project Number: SHAH0052168701

Issue Date: 2015-01-07

Sample Description:

The sample information was submitted and identified on client's behalf to be:

Product Name : STAMP PAD INK

Physical State : Liquid

Data Received : January 04, 2015

Data Reviewed : January 07, 2015

Service Requested:

Based on the information provided by the applicant, the Safety Data Sheet (SDS) was generated in accordance with requirements of Regulation (EC) No. 1907/2006, Regulation (EC) No 1272/2008, EU Commission Directive 67/548/EEC, 1999/45/EC, for details please refer to attached pages.

Authorized By:

On Behalf Of Regulatory Affairs in Intertek Testing Services Ltd., Shanghai



Anna Wang
Regulatory Consultant

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STAMP PAD INK

Yixing Huhua Stationery Co.,Ltd .

Version No: 1.0

Safety Data Sheet (Conforms to Regulations (EC) No 453/2010)

Project number:SHAH0052168701

Issue Date: 07/01/2015

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

1.1.Product Identifier

| | |
|-------------------------------|----------------|
| Product name | STAMP PAD INK |
| Chemical Name | Not Applicable |
| Synonyms | Not Available |
| Proper shipping name | Not Applicable |
| Chemical formula | Not Applicable |
| Other means of identification | Not Available |
| CAS number | Not Applicable |
| EC number | Not Applicable |
| Index number | Not Applicable |
| REACH registration number | Not Applicable |

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

| | |
|--------------------------|--------------------------|
| Relevant identified uses | Refill Ink For Stamp Pad |
| Uses advised against | Not Applicable |

1.3.Details of the manufacturer/importer

| | |
|-------------------------|---|
| Registered company name | Yixing Huhua Stationery Co.,Ltd . |
| Address | Zhoutie Town, Yixing City, Jiangsu Province, China. |
| Telephone | 86-510-87575334 |
| Emergency telephone | 86-510-80307711 |
| Email | huhua@sohu.net |
| Importer name | |
| Address | |
| Telephone | |
| Email | |

1.4.Emergency telephone number

| | |
|-----------------------------------|--|
| Association / Organisation | |
| Emergency telephone numbers | |
| Other emergency telephone numbers | |

SECTION 2 HAZARDS IDENTIFICATION

2.1.Classification of the substance or mixture

Not considered a dangerous mixture according to directive 1999/45/EC, Reg. (EC) No 1272/2008 (if applicable) and their amendments. Not classified as Dangerous Goods for transport purposes.

| | |
|--------------------|--|
| DSD classification | In case of mixtures, classification has been prepared by following DPD (Directive 1999/45/EC) and CLP Regulation (EC) No 1272/2008 regulations |
| DPD classification | Not Applicable |

2.2. Label elements

| | |
|--------------------|-----------------------|
| CLP label elements | Not Applicable |
| SIGNAL WORD | NOT APPLICABLE |

Hazard statement(s)

Not Applicable

Continued...

Precautionary statement(s) Prevention

Not Applicable

Precautionary statement(s) Response

Not Applicable

Precautionary statement(s) Storage

Not Applicable

Precautionary statement(s) Disposal

Not Applicable

DSD / DPD label elements

Not Applicable

Relevant risk statements are found in section 2.1

| | |
|--------------------------------|----------------|
| Indication(s) of danger | Not Applicable |
|--------------------------------|----------------|

SAFETY ADVICE

Not Applicable

2.3. Other hazards

| | |
|--|--|
| | Cumulative effects may result following exposure*. |
|--|--|

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS**3.1. Substances**

See 'Composition on ingredients' in Section 3.2

3.2. Mixtures

| 1.CAS No 2.EC No 3.Index No 4.REACH No | %[weight] | Name | Classification according to directive 67/548/EEC [DSD] | Classification according to regulation (EC) No 1272/2008 [CLP] |
|--|-----------|--------------------------------------|--|--|
| 1.7732-18-5 2.231-791-2 3.Not Available 4.Not Available | 45 | water | Not Applicable | Not Applicable |
| 1.56-81-5 2.200-289-5 3.Not Available 4.Not Available | 44 | Glycerin | Not Applicable | Not Applicable |
| 1.6535-46-2 2.229-440-3 3.Not Available 4.Not Available | 6 | C.I. Pigment Red 112 | Not Applicable | Not Applicable |
| 1.111-46-6 2.203-872-2 3.603-140-00-6 4.Not Available | 5 | diethylene glycol | R22 [2] | Acute Tox. 4 *; H302 [3] |

Legend: 1. Classified by Chemwatch; 2. Classification drawn from EC Directive 67/548/EEC - Annex I; 3. Classification drawn from EC Directive 1272/2008 - Annex VI 4. Classification drawn from C&L

SECTION 4 FIRST AID MEASURES**4.1. Description of first aid measures**

| | |
|---------------------|---|
| General | <ul style="list-style-type: none"> ▶ Immediately give a glass of water. ▶ First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor. ▶ If fumes, aerosols or combustion products are inhaled remove from contaminated area. ▶ Other measures are usually unnecessary. <p>If this product comes in contact with eyes:</p> <ul style="list-style-type: none"> ▶ Wash out immediately with water. ▶ If irritation continues, seek medical attention. <p>▶ Removal of contact lenses after an eye injury should only be undertaken by skilled personnel. If skin or hair contact occurs:</p> <ul style="list-style-type: none"> ▶ Flush skin and hair with running water (and soap if available). ▶ Seek medical attention in event of irritation. |
| Eye Contact | <p>If this product comes in contact with eyes:</p> <ul style="list-style-type: none"> ▶ Wash out immediately with water. ▶ If irritation continues, seek medical attention. ▶ Removal of contact lenses after an eye injury should only be undertaken by skilled personnel. |
| Skin Contact | <p>If skin or hair contact occurs:</p> <ul style="list-style-type: none"> ▶ Flush skin and hair with running water (and soap if available). ▶ Seek medical attention in event of irritation. |
| Inhalation | <ul style="list-style-type: none"> ▶ If fumes, aerosols or combustion products are inhaled remove from contaminated area. Other measures are usually unnecessary. |
| Ingestion | <ul style="list-style-type: none"> ▶ Immediately give a glass of water. ▶ First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor. |

4.2 Most important symptoms and effects, both acute and delayed

Continued...

See section 11

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

Treat symptomatically.

SECTION 5 FIREFIGHTING MEASURES**5.1. Extinguishing media**

| | |
|--|--|
| | <p>The product contains a substantial proportion of water, therefore there are no restrictions on the type of extinguishing media which may be used. Choice of extinguishing media should take into account surrounding areas.</p> <p>Though the material is non-combustible, evaporation of water from the mixture, caused by the heat of nearby fire, may produce floating layers of combustible substances.</p> <p>In such an event consider:</p> <ul style="list-style-type: none"> ▶ foam. |
|--|--|

5.2. Special hazards arising from the substrate or mixture

| | |
|-----------------------------|-------------|
| Fire Incompatibility | None known. |
|-----------------------------|-------------|

5.3. Advice for firefighters

| | |
|------------------------------|---|
| Fire Fighting | <ul style="list-style-type: none"> ▶ Alert Fire Brigade and tell them location and nature of hazard. ▶ Wear breathing apparatus plus protective gloves in the event of a fire. ▶ Prevent, by any means available, spillage from entering drains or water courses. ▶ Use fire fighting procedures suitable for surrounding area. |
| Fire/Explosion Hazard | <ul style="list-style-type: none"> ▶ The material is not readily combustible under normal conditions. ▶ However, it will break down under fire conditions and the organic component may burn. ▶ Not considered to be a significant fire risk. ▶ Heat may cause expansion or decomposition with violent rupture of containers. |

SECTION 6 ACCIDENTAL RELEASE MEASURES**6.1. Personal precautions, protective equipment and emergency procedures**

| | |
|--|---------------|
| | See section 8 |
|--|---------------|

6.2. Environmental precautions

| | |
|--|----------------|
| | See section 12 |
|--|----------------|

6.3. Methods and material for containment and cleaning up

| | |
|---------------------|---|
| Minor Spills | <ul style="list-style-type: none"> ▶ Clean up all spills immediately. ▶ Avoid breathing vapours and contact with skin and eyes. ▶ Control personal contact with the substance, by using protective equipment. ▶ Contain and absorb spill with sand, earth, inert material or vermiculite. |
| Major Spills | <p>Moderate hazard.</p> <ul style="list-style-type: none"> ▶ Clear area of personnel and move upwind. ▶ Alert Fire Brigade and tell them location and nature of hazard. ▶ Wear breathing apparatus plus protective gloves. |

6.4. Reference to other sections

| | |
|--|---|
| | Personal Protective Equipment advice is contained in Section 8 of the MSDS. |
|--|---|

SECTION 7 HANDLING AND STORAGE**7.1. Precautions for safe handling**

| | |
|--------------------------------------|--|
| Safe handling | <ul style="list-style-type: none"> ▶ Avoid all personal contact, including inhalation. ▶ Wear protective clothing when risk of exposure occurs. ▶ Use in a well-ventilated area. ▶ Prevent concentration in hollows and sumps. |
| Fire and explosion protection | See section 5 |
| Other information | None known |

7.2. Conditions for safe storage, including any incompatibilities

| | |
|--------------------------------|---|
| Suitable container | <ul style="list-style-type: none"> ▶ Polyethylene or polypropylene container. ▶ Packing as recommended by manufacturer. ▶ Check all containers are clearly labelled and free from leaks. |
| Storage incompatibility | None known |

PACKAGE MATERIAL INCOMPATIBILITIES

Not Available

7.3. Specific end use(s)

See section 1.2

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**8.1. Control parameters****DERIVED NO EFFECT LEVEL (DNEL)**

Not Available

Continued...

PREDICTED NO EFFECT LEVEL (PNEC)

Not Available

OCCUPATIONAL EXPOSURE LIMITS (OEL)**INGREDIENT DATA**


| Source | Ingredient | Material name | TWA | STEL | Peak | Notes |
|-------------------------------------|-------------------|-------------------|--------------------|---------------|---------------|---------------|
| UK Workplace Exposure Limits (WELs) | Glycerin | Glycerol, mist | 10 mg/m3 | Not Available | Not Available | Not Available |
| UK Workplace Exposure Limits (WELs) | diethylene glycol | 2,2'-Oxydiethanol | 101 mg/m3 / 23 ppm | Not Available | Not Available | Not Available |

EMERGENCY LIMITS

| Ingredient | Material name | TEEL-1 | TEEL-2 | TEEL-3 |
|-------------------|--|------------|-----------|------------|
| Glycerin | Glycerine (mist); (Glycerol; Glycerin) | 30 mg/m3 | 310 mg/m3 | 2500 mg/m3 |
| diethylene glycol | Diethylene glycol | 6.9155 ppm | 80 ppm | 250 ppm |

| Ingredient | Original IDLH | Revised IDLH |
|----------------------|---------------|---------------|
| water | Not Available | Not Available |
| Glycerin | Not Available | Not Available |
| C.I. Pigment Red 112 | Not Available | Not Available |
| diethylene glycol | Not Available | Not Available |

8.2. Exposure controls

| | |
|--|--|
| 8.2.1. Appropriate engineering controls | <p>Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection.</p> <p>The basic types of engineering controls are:</p> <p>Process controls which involve changing the way a job activity or process is done to reduce the risk.</p> <p>Enclosure and/or isolation of emission source which keeps a selected hazard 'physically' away from the worker and ventilation that strategically 'adds' and 'removes' air in the work environment.</p> |
| 8.2.2. Personal protection |  |
| Eye and face protection | <ul style="list-style-type: none"> Safety glasses with side shields Chemical goggles. Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lenses or restrictions on use, should be created for each workplace or task. This should include a review of lens absorption and adsorption for the class of chemicals in use and an account of injury experience. |
| Skin protection | See Hand protection below |
| Hands/feet protection | <p>The selection of suitable gloves does not only depend on the material, but also on further marks of quality which vary from manufacturer to manufacturer. Where the chemical 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.</p> <p>The exact break through time for substances has to be obtained from the manufacturer of the protective gloves and has to be observed when making a final choice.</p> <p>Suitability and durability of glove type is dependent on usage.</p> |
| Body protection | See Other protection below |
| Other protection | <ul style="list-style-type: none"> Overalls. P.V.C. apron. Barrier cream. |
| Thermal hazards | Not Available |

Recommended material(s)**GLOVE SELECTION INDEX****Forsberg Clothing Performance Index¹.**

The effect(s) of the following substance(s) are taken into account in the **computer-generated** selection:
STAMP PAD INK

Respiratory protection

Type A-P Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88 or national equivalent)

Where the concentration of gas/particulates in the breathing zone, approaches or exceeds the 'Exposure Standard' (or ES), respiratory protection is required. Degree of protection varies with both face-piece and Class of filter; the nature of protection varies with Type of filter.

| Required Minimum Protection Factor | Half-Face Respirator | Full-Face Respirator | Powered Air Respirator |
|------------------------------------|----------------------|----------------------|-------------------------|
| up to 5 x ES | A-AUS / Class 1 P2 | - | A-PAPR-AUS / Class 1 P2 |
| up to 25 x ES | Air-line* | A-2 P2 | A-PAPR-2 P2 |
| up to 50 x ES | - | A-3 P2 | - |
| 50+ x ES | - | Air-line** | - |

^ - Full-face

A(All classes) = Organic vapours, B AUS or B1 = Acid gasses, B2 = Acid gas or hydrogen cyanide(HCN), B3 = Acid gas or hydrogen cyanide(HCN), E =Sulfur dioxide(SO₂), G = Agricultural chemicals, K = Ammonia(NH₃), Hg =Mercury, NO = Oxides of nitrogen, MB = Methyl bromide, AX = Low boiling pointorganic compounds(below 65 degC)

| Material | CPI |
|----------------|-----|
| BUTYL | A |
| NATURAL RUBBER | C |
| NEOPRENE | C |
| NITRILE | C |
| PVA | C |
| VITON | C |

* CPI - Chemwatch Performance Index

A: Best Selection

B: Satisfactory; may degrade after 4 hours continuous immersion

C: Poor to Dangerous Choice for other than short term immersion

NOTE: As a series of factors will influence the actual performance of the glove, a final selection must be based on detailed observation. -

* Where the glove is to be used on a short term, casual or infrequent basis, factors such as 'feel' or convenience (e.g. disposability), may dictate a choice of gloves which might otherwise be unsuitable following long-term or frequent use. A qualified practitioner should be consulted.

8.2.3. Environmental exposure controls

See section 12

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

| | | | |
|---|---------------|--|---------------|
| Appearance | Red liquid | | |
| Physical state | Liquid | Relative density (Water = 1) | Not Available |
| Odour | Not Available | Partition coefficient n-octanol / water | Not Available |
| Odour threshold | Not Available | Auto-ignition temperature (°C) | Not Available |
| pH (as supplied) | Not Available | Decomposition temperature | Not Available |
| Melting point / freezing point (°C) | Not Available | Viscosity (cSt) | Not Available |
| Initial boiling point and boiling range (°C) | Not Available | Molecular weight (g/mol) | Not Available |
| Flash point (°C) | Not Available | Taste | Not Available |
| Evaporation rate | Not Available | Explosive properties | Not Available |
| Flammability | Not flammable | Oxidising properties | Not Available |
| Upper Explosive Limit (%) | Not Available | Surface Tension (dyn/cm or mN/m) | Not Available |
| Lower Explosive Limit (%) | Not Available | Volatile Component (%vol) | Not Available |
| Vapour pressure (kPa) | Not Available | Gas group | Not Available |
| Solubility in water (g/L) | Not Available | pH as a solution(1%) | Not Available |
| Vapour density (Air = 1) | Not Available | VOC g/L | Not Available |

9.2. Other information

| | |
|--|---------------|
| | Not Available |
|--|---------------|

SECTION 10 STABILITY AND REACTIVITY

| | |
|---|--|
| 10.1.Reactivity | See section 7.2 |
| 10.2.Chemical stability | <ul style="list-style-type: none"> ‡ Unstable in the presence of incompatible materials. ‡ Product is considered stable. ‡ Hazardous polymerisation will not occur. |
| 10.3. Possibility of hazardous reactions | See section 7.2 |
| 10.4. Conditions to avoid | See section 7.2 |
| 10.5. Incompatible materials | See section 7.2 |
| 10.6. Hazardous decomposition products | See section 5.3 |

SECTION 11 TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

| | |
|------------------|---|
| Inhaled | The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting. |
| Ingestion | The material has NOT been classified by EC Directives or other classification systems as 'harmful by ingestion'. This is because of the lack of corroborating animal or human evidence. |




Continued...

| | |
|--------------|---|
| | The material is not thought to produce adverse health effects or skin irritation following contact (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable gloves be used in an occupational setting. |
| Skin Contact | Open cuts, abraded or irritated skin should not be exposed to this material Entry into the blood-stream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects. Examine the skin prior to the use of the material and ensure that any external damage is suitably protected. |
| Eye | Although the liquid is not thought to be an irritant (as classified by EC Directives), direct contact with the eye may produce transient discomfort characterised by tearing or conjunctival redness (as with windburn). |
| Chronic | Substance accumulation, in the human body, may occur and may cause some concern following repeated or long-term occupational exposure. |

| STAMP PAD INK | TOXICITY | IRRITATION |
|----------------------|-----------------------------------|--------------------------------|
| | Not Available | Not Available |
| water | TOXICITY | IRRITATION |
| | Not Available | Not Available |
| Glycerin | TOXICITY | IRRITATION |
| | Not Available | Not Available |
| C.I. Pigment Red 112 | TOXICITY | IRRITATION |
| | Oral (rat) LD50: >5000 mg/kg | [BASF] |
| | Not Available | Not Available |
| diethylene glycol | TOXICITY | IRRITATION |
| | Dermal (rabbit) LD50: 11890 mg/kg | Eye (rabbit) 50 mg mild |
| | Oral (rat) LD50: 12565 mg/kg | Skin (human): 112 mg/3d-I mild |
| | | Skin (rabbit): 500 mg mild |
| | Not Available | Not Available |

| | |
|----------------------|--|
| C.I. PIGMENT RED 112 | Mutagenicity: In vitro screening tests have reported negative results. |
| DIETHYLENE GLYCOL | The material may cause skin irritation after prolonged or repeated exposure and may produce on contact skin redness, swelling, the production of vesicles, scaling and thickening of the skin. |
| STAMP PAD INK, WATER | No significant acute toxicological data identified in literature search. |

| | | | |
|-----------------------------------|---|--------------------------|---|
| Acute Toxicity | ☒ | Carcinogenicity | ☒ |
| Skin Irritation/Corrosion | ☒ | Reproductivity | ☒ |
| Serious Eye Damage/Irritation | ☒ | STOT - Single Exposure | ☒ |
| Respiratory or Skin sensitisation | ☒ | STOT - Repeated Exposure | ☒ |
| Mutagenicity | ☒ | Aspiration Hazard | ☒ |

Legend:  – Data required to make classification available
 – Data available but does not fill the criteria for classification
 – Data Not Available to make classification

CMR STATUS

Not Applicable

SECTION 12 ECOLOGICAL INFORMATION

12.1. Toxicity

For Organic Pigments:

Environmental Fate: Organic pigments are highly persistent in natural environments.

Atmospheric Fate: The chemical processes underlying breakdown of organic pigments through light or atmospheric conditions are difficult to clarify. Atmospheric contaminants, such as peroxides, which appear as the products of radiation, frequently start the degradation process.

Terrestrial Fate: Color pigments are protected from leaching into groundwater by the plastics, paints and inks that make up the final products incorporating color pigments.

12.2. Persistence and degradability

| Ingredient | Persistence: Water/Soil | Persistence: Air |
|-------------------|-------------------------|------------------|
| water | LOW | LOW |
| Glycerin | LOW | LOW |
| diethylene glycol | LOW | LOW |

12.3. Bioaccumulative potential

| Ingredient | Bioaccumulation |
|-------------------|----------------------|
| water | LOW (LogKOW = -1.38) |
| Glycerin | LOW (LogKOW = -1.76) |
| diethylene glycol | LOW (BCF = 180) |

Continued...

| Ingredient | Mobility |
|-------------------|------------------|
| water | LOW (KOC = 14.3) |
| Glycerin | HIGH (KOC = 1) |
| diethylene glycol | HIGH (KOC = 1) |

12.5. Results of PBT and vPvB assessment

| | P | B | T |
|---------------------------------|---------------|---------------|---------------|
| Relevant available data | Not Available | Not Available | Not Available |
| PBT and vPvB Criteria fulfilled | Not Available | Not Available | Not Available |

12.6. Other adverse effects

No data available

SECTION 13 DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

| | |
|-------------------------------------|--|
| Product / Packaging disposal | <p>Legislation addressing waste disposal requirements may differ by country, state and/ or territory. Each user must refer to laws operating in their area. In some areas, certain wastes must be tracked.</p> <p>A Hierarchy of Controls seems to be common - the user should investigate:</p> <ul style="list-style-type: none"> ▸ Reduction ▸ Reuse ▸ Recycling ▸ Disposal (if all else fails) <p>This material may be recycled if unused, or if it has not been contaminated so as to make it unsuitable for its intended use.</p> |
| Waste treatment options | Not Available |
| Sewage disposal options | Not Available |

SECTION 14 TRANSPORT INFORMATION

Labels Required

| | |
|-------------------------|----------------|
| Marine Pollutant | NO |
| HAZCHEM | Not Applicable |

Land transport (ADR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

| | | | | | |
|---|--|--------------------|----------------|------------------|----------------|
| 14.1. UN number | Not Applicable | | | | |
| 14.2. Packing group | Not Applicable | | | | |
| 14.3. UN proper shipping name | Not Applicable | | | | |
| 14.4. Environmental hazard | No relevant data | | | | |
| 14.5. Transport hazard class(es) | <table border="1"> <tbody> <tr> <td>Class</td> <td>Not Applicable</td> </tr> <tr> <td>Subrisk</td> <td>Not Applicable</td> </tr> </tbody> </table> | Class | Not Applicable | Subrisk | Not Applicable |
| Class | Not Applicable | | | | |
| Subrisk | Not Applicable | | | | |
| 14.6. Special precautions for user | <table border="1"> <tbody> <tr> <td>Special provisions</td> <td>Not Applicable</td> </tr> <tr> <td>Limited quantity</td> <td>Not Applicable</td> </tr> </tbody> </table> | Special provisions | Not Applicable | Limited quantity | Not Applicable |
| Special provisions | Not Applicable | | | | |
| Limited quantity | Not Applicable | | | | |

Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

| | | | | | | | | | | | | | | | |
|---|--|--------------------|----------------|---------------------------------|----------------|-------------------------------|----------------|--|----------------|--|----------------|---|----------------|--|----------------|
| 14.1. UN number | Not Applicable | | | | | | | | | | | | | | |
| 14.2. Packing group | Not Applicable | | | | | | | | | | | | | | |
| 14.3. UN proper shipping name | Not Applicable | | | | | | | | | | | | | | |
| 14.4. Environmental hazard | No relevant data | | | | | | | | | | | | | | |
| 14.5. Transport hazard class(es) | <table border="1"> <tbody> <tr> <td>ICAO/IATA Class</td> <td>Not Applicable</td> </tr> <tr> <td>ICAO / IATA Subrisk</td> <td>Not Applicable</td> </tr> <tr> <td>ERG Code</td> <td>Not Applicable</td> </tr> </tbody> </table> | ICAO/IATA Class | Not Applicable | ICAO / IATA Subrisk | Not Applicable | ERG Code | Not Applicable | | | | | | | | |
| ICAO/IATA Class | Not Applicable | | | | | | | | | | | | | | |
| ICAO / IATA Subrisk | Not Applicable | | | | | | | | | | | | | | |
| ERG Code | Not Applicable | | | | | | | | | | | | | | |
| 14.6. Special precautions for user | <table border="1"> <tbody> <tr> <td>Special provisions</td> <td>Not Applicable</td> </tr> <tr> <td>Cargo Only Packing Instructions</td> <td>Not Applicable</td> </tr> <tr> <td>Cargo Only Maximum Qty / Pack</td> <td>Not Applicable</td> </tr> <tr> <td>Passenger and Cargo Packing Instructions</td> <td>Not Applicable</td> </tr> <tr> <td>Passenger and Cargo Maximum Qty / Pack</td> <td>Not Applicable</td> </tr> <tr> <td>Passenger and Cargo Limited Quantity Packing Instructions</td> <td>Not Applicable</td> </tr> <tr> <td>Passenger and Cargo Limited Maximum Qty / Pack</td> <td>Not Applicable</td> </tr> </tbody> </table> | Special provisions | Not Applicable | Cargo Only Packing Instructions | Not Applicable | Cargo Only Maximum Qty / Pack | Not Applicable | Passenger and Cargo Packing Instructions | Not Applicable | Passenger and Cargo Maximum Qty / Pack | Not Applicable | Passenger and Cargo Limited Quantity Packing Instructions | Not Applicable | Passenger and Cargo Limited Maximum Qty / Pack | Not Applicable |
| Special provisions | Not Applicable | | | | | | | | | | | | | | |
| Cargo Only Packing Instructions | Not Applicable | | | | | | | | | | | | | | |
| Cargo Only Maximum Qty / Pack | Not Applicable | | | | | | | | | | | | | | |
| Passenger and Cargo Packing Instructions | Not Applicable | | | | | | | | | | | | | | |
| Passenger and Cargo Maximum Qty / Pack | Not Applicable | | | | | | | | | | | | | | |
| Passenger and Cargo Limited Quantity Packing Instructions | Not Applicable | | | | | | | | | | | | | | |
| Passenger and Cargo Limited Maximum Qty / Pack | Not Applicable | | | | | | | | | | | | | | |

Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

| | | |
|------------------------------------|--------------------|----------------|
| 14.1. UN number | Not Applicable | |
| 14.2. Packing group | Not Applicable | |
| 14.3. UN proper shipping name | Not Applicable | |
| 14.4. Environmental hazard | Not Applicable | |
| 14.5. Transport hazard class(es) | IMDG Class | Not Applicable |
| | IMDG Subrisk | Not Applicable |
| 14.6. Special precautions for user | EMS Number | Not Applicable |
| | Special provisions | Not Applicable |
| | Limited Quantities | Not Applicable |

Inland waterways transport (ADN): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

| | | |
|------------------------------------|---------------------|----------------|
| 14.1. UN number | Not Applicable | |
| 14.2. Packing group | Not Applicable | |
| 14.3. UN proper shipping name | Not Applicable | |
| 14.4. Environmental hazard | No relevant data | |
| 14.5. Transport hazard class(es) | Not Applicable | Not Applicable |
| 14.6. Special precautions for user | Classification code | Not Applicable |
| | Limited quantity | Not Applicable |
| | Equipment required | Not Applicable |
| | Fire cones number | Not Applicable |

Transport in bulk according to Annex II of MARPOL 73 / 78 and the IBC code

Not Applicable

SECTION 15 REGULATORY INFORMATION

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

| | |
|--|--|
| water(7732-18-5) is found on the following regulatory lists | 'European Customs Inventory of Chemical Substances ECICS (English)'; 'European Union - European Inventory of Existing Commercial Chemical Substances (EINECS) (English)'; 'EU REACH Regulation (EC) No 1907/2006 - Annex IV - Exemptions from the Obligation to Register in Accordance with Article 2(7)(a) (English)' |
| Glycerin(56-81-5) is found on the following regulatory lists | 'European Customs Inventory of Chemical Substances ECICS (English)'; 'European Union - European Inventory of Existing Commercial Chemical Substances (EINECS) (English)'; 'UK Workplace Exposure Limits (WELs)' |
| C.I. Pigment Red 112(6535-46-2) is found on the following regulatory lists | 'European Union - European Inventory of Existing Commercial Chemical Substances (EINECS) (English)' |
| diethylene glycol(111-46-6) is found on the following regulatory lists | 'European Customs Inventory of Chemical Substances ECICS (English)'; 'EU European Chemicals Agency (ECHA) Community Rolling Action Plan (CoRAP) List of Substances'; 'European Union - European Inventory of Existing Commercial Chemical Substances (EINECS) (English)'; 'European Union (EU) Regulation (EC) No 1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures - Annex VI'; 'UK Workplace Exposure Limits (WELs)'; 'European Union (EU) Annex I to Directive 67/548/EEC on Classification and Labelling of Dangerous Substances - updated by ATP: 31' |

This safety data sheet is in compliance with the following EU legislation and its adaptations - as far as applicable - : 67/548/EEC, 1999/45/EC, 98/24/EC, 92/85/EC, 94/33/EC, 91/689/EEC, 1999/13/EC, Regulation (EU) No 453/2010, Regulation (EC) No 1907/2006, Regulation (EC) No 1272/2008 and their amendments as well as the following British legislation:- The Control of Substances Hazardous to Health Regulations (COSHH) 2002- COSHH Essentials- The Management of Health and Safety at Work Regulations 1999

15.2. Chemical safety assessment

For further information please look at the Chemical Safety Assessment and Exposure Scenarios prepared by your Supply Chain if available.

ECHA SUMMARY

| Ingredient | CAS number | Index No | ECHA Dossier |
|------------|------------|---------------|---------------|
| water | 7732-18-5 | Not Available | Not Available |

| Harmonisation (C&L Inventory) | Hazard Class and Category Code(s) | Pictograms Signal Word Code(s) | Hazard Statement Code(s) |
|-------------------------------|---|--------------------------------|--------------------------|
| 2 | Acute Tox. 3, Skin Corr. 1A, Acute Tox. 2, Flam. Liq. 3 | GHS05, Dgr, GHS06, GHS02, Wng | H314, H301, H226 |

Harmonisation Code 1 = The most prevalent classification. Harmonisation Code 2 = The most severe classification.

| Ingredient | CAS number | Index No | ECHA Dossier |
|------------|------------|---------------|-----------------------|
| Glycerin | 56-81-5 | Not Available | 01-2119471987-18-XXXX |

| Harmonisation (C&L Inventory) | Hazard Class and Category Code(s) | Pictograms Signal Word Code(s) | Hazard Statement Code(s) |
|-------------------------------|--|--------------------------------|--------------------------|
| 2 | Skin Irrit. 2, Eye Irrit. 2, STOT RE 1 | Wng, GHS08, Dgr | H315, H319, H372 |

Harmonisation Code 1 = The most prevalent classification. Harmonisation Code 2 = The most severe classification.

Continued...

| | | | |
|----------------------|-----------|---------------|-----------------------|
| C.I. Pigment Red 112 | 6535-46-2 | Not Available | 01-2119456820-39-XXXX |
|----------------------|-----------|---------------|-----------------------|

| Harmonisation (C&L Inventory) | Hazard Class and Category Code(s) | Pictograms Signal Word Code(s) | Hazard Statement Code(s) |
|-------------------------------|--|--------------------------------|--------------------------|
| 2 | Skin Sens. 1, Muta. 2, Aquatic Chronic 3 | Wng, GHS08 | H413, H317, H341 |

Harmonisation Code 1 = The most prevalent classification. Harmonisation Code 2 = The most severe classification.

| Ingredient | CAS number | Index No | ECHA Dossier |
|-------------------|------------|--------------|-----------------------|
| diethylene glycol | 111-46-6 | 603-140-00-6 | 01-2119457857-21-XXXX |

| Harmonisation (C&L Inventory) | Hazard Class and Category Code(s) | Pictograms Signal Word Code(s) | Hazard Statement Code(s) |
|-------------------------------|---|--------------------------------|------------------------------|
| 1 | Acute Tox. 4 | GHS07, Wng | H302 |
| 2 | Acute Tox. 4, STOT RE 2, Eye Irrit. 2, STOT SE 3, Skin Irrit. 2 | Wng, GHS08, Dgr | H302, H373, H319, H336, H315 |

Harmonisation Code 1 = The most prevalent classification. Harmonisation Code 2 = The most severe classification.

SECTION 16 OTHER INFORMATION

Full text Risk and Hazard codes

| | |
|-------------|---|
| H226 | Flammable liquid and vapour |
| H301 | Toxic if swallowed |
| H302 | Harmful if swallowed |
| H314 | Causes severe skin burns and eye damage |
| H315 | Causes skin irritation |
| H317 | May cause an allergic skin reaction |
| H319 | Causes serious eye irritation |
| H336 | May cause drowsiness or dizziness |
| H341 | Suspected of causing genetic defects |
| H372 | Causes damage to organs through prolonged or repeated exposure |
| H373 | May cause damage to organs through prolonged or repeated exposure |
| H413 | May cause long lasting harmful effects to aquatic life |
| R22 | Harmful if swallowed. |

Other information

Ingredients with multiple cas numbers

| Name | CAS No |
|----------------------|-------------------------------------|
| C.I. Pigment Red 112 | 1014978-13-2, 6535-46-2, 99752-20-2 |

The (M)SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

For detailed advice on Personal Protective Equipment, refer to the following EU CEN Standards:

EN 166 Personal eye-protection

EN 340 Protective clothing

EN 374 Protective gloves against chemicals and micro-organisms

EN 13832 Footwear protecting against chemicals

EN 133 Respiratory protective devices