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| | | Revised edition no : 0 |
| | | Date : 15 / 1 / 2014 |
| | | Supersedes : 0 / 0 / 0 |
| RDI-HYDROGRAFF HP SATIN BLUE (A + B) | | RDI/HGHPB/1419 |



Xi : Irritant

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

1.1. Product identifier

Trade name : RDI-HYDROGRAFF HP SATIN BLUE (A + B)
 Type of product : Paint.

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

Use : Domestic.
 Industrial.

Sector of use category : SU21: Consumer uses: Private households (= general public = consumers)
 SU22: Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Article Category : Not applicable.

Chemical product category : PC9a: Coatings and paints, thinners, paint removers

Process category : PROC10: Roller application or brushing
 PROC11: Non industrial spraying

Environmental release category : ERC8a: Indoor use of processing aids by the public at large or professional use. Use (usually) results in direct release into the environment/sewage system, for example, detergents in fabric washing, machine wash liquids and lavatory cleaners, automotive and bicycle care products (polishes, lubricants, de-icers), solvents in paints and adhesives or fragrances and aerosol propellants in air fresheners.
 ERC8d: Outdoor use of processing aids by the public at large or professional use. Use (usually) results in direct release into the environment, for example, automotive and bicycle care products (polishes, lubricants, de-icers, detergents), solvents in paints and adhesives.

1.3. Details of the supplier of the safety data sheet

Company identification : INDUCOAT
 3824 CG AMERSFOORT Nederland
 Tél : 00 31 33 456 23 94

1.4. Emergency telephone number

Phone nr : +31 30-2748888

SECTION 2 Hazards identification

2.1. Classification of the substance or mixture

Dangerous product (Directive 1999/45/EC). Substances presenting a health or environmental hazard within the meaning of Directive 67/548/EEC :

Classification : R43

2.2. Label elements

Symbol(s)



R Phrase(s)

: Xi : Irritant
 : R43 : May cause sensitization by skin contact.

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SECTION 2 Hazards identification (continued)

- S Phrase(s)** : S2 : Keep out of the reach of children.
S23 : Do not breathe spray.
S37 : Wear suitable gloves.
S46 : If swallowed seek medical advice immediately and show this container or label.
S51 : Use only in well-ventilated areas.
- P Phrase(s)** : P91 - Contains isocyanate. See information supplied by the manufacturer.
- Contains** : Polyisocyanate aliphatique hydrophile : May produce an allergic reaction.

2.3. Other hazards

None.

SECTION 3 Composition/information on ingredients

3.1./3.2. Substance / Preparation

- **Substance / Preparation** : Preparation
- **Components** : Dangerous product (Directive 1999/45/EC). Substances presenting a health or environmental hazard within the meaning of Directive 67/548/EEC.
- **Hazardous components**

| Substance name | Contents | CAS No | EC No | Index No | Reach number | Classification |
|---------------------------------------|------------|------------|-----------|--------------|--------------|--|
| Triethanolamine | < 1.5 % | 102-71-6 | 203-049-8 | ---- | ---- | Not classified. (DSD/DPD) Undefined. (GHS) |
| Polyisocyanate aliphatique hydrophile | 15 to 20 % | 28182-81-2 | ---- | ---- | ---- | Xn; R20 Xi; R37 R43 Acute Tox. 4 (Inhalation); H332 STOT SE3; H335 Skin Sens. 1; H317 |
| docusaque sodique | < 0.05 % | 577-11-7 | 209-406-4 | ---- | ---- | Xi; R38-41 Eye Dam. 1; H318 Skin Irrit. 2; H315 |
| ethanol, ethyl alcohol | < 0.05 % | 64-17-5 | 200-578-6 | 603-002-00-5 | ---- | F; R11 Flam. Liq. 2; H225 |
| Silver chloride | < 0.05 % | 7783-90-6 | 232-033-3 | ---- | ---- | N; R50 Aquatic Acute 1; H400 |

See full text of phrases R / H under chapter 16.

SECTION 4. First aid measures

4.1. Description of first aid measures

- Primary route of exposure** : Vapours inhalation.
Skin contact.
- **Inhalation** : Remove victim to fresh air.
Obtain medical attention if breathing difficulty persists.
- **Skin contact** : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by water rinse.
Seek medical attention if ill effect or irritation develops.
- **Eye contact** : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.
- **Ingestion** : Rinse mouth. Spit. Seek medical advice (show the label where possible).

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

- Inhalation** : Irritating to respiratory system.
- Skin contact** : Repeated or prolonged skin contact may cause irritation.

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SECTION 4. First aid measures (continued)

Eye contact : Contact with the eyes is likely to be irritating.
General information : In all case : Obtain medical attention.

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

Emergency medical treatment : Not required.

SECTION 5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Dry chemical. Carbon dioxide. Foam.
Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Specific hazards : Thermal decomposition generates : Carbon monoxide. Carbon dioxide. Nitrogen oxides. Toxic gases.

5.3. Advice for firefighters

Flammable class : Not flammable.
Protection against fire : Use water spray or fog for cooling exposed containers. Do not enter fire area without proper protective equipment, including respiratory protection.
Special procedures : Avoid (reject) fire-fighting water to enter environment.
Exercise caution when fighting any chemical fire.

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions : Equip cleanup crew with proper protection.
Contact with walking surface may result in formation of slippery film/falling hazard.

6.2. Environmental precautions

Environmental precautions : Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Clean up methods : Clean up any spills as soon as possible, using an absorbent material to collect it. Dilute residues and flush.

6.4. Reference to other sections

See Heading 8.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Handling : Handle in accordance with good industrial hygiene and safety procedures.
Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.
Avoid contact with skin and eyes.

General : **Persons with a history of asthma, allergies, chronic ou recurrent respiratory disease should not be employed in any process in which this preparation is used.**
: **Examination of lung function should be carried out on a regular basis on persons spraying this preparation.**

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SECTION 7. Handling and storage (continued)

7.2. Conditions for safe storage, including any incompatibilities

Storage : Provide local exhaust or general room ventilation to minimize dust and/or vapour concentrations.
Store closed containers with closure in upper position.
Protect from freezing.
Storage temperature - maximum 25°C; minimum 5°C.

7.3. Specific end use(s)

See Heading 1.2.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Occupational Exposure Limits

8.2. Exposure controls

Personal protection : **Persons with a history of asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this preparation is used.**
: **Examination of lung function should be carried out on a regular basis on persons spraying this preparation.**

- **Respiratory protection** : In case of insufficient ventilation, wear suitable respiratory equipment (A1).
- **Hand protection** : Gloves.
- **Skin protection** : Wear suitable protective clothing.
Avoid contact with skin and eyes.
- **Eye protection** : Chemical goggles or safety glasses.
- **Ingestion** : When using, do not eat, drink or smoke.
- **Others** : Avoid release to the environment
Prevent entry to sewers and public waters.

Industrial hygiene : Local exhaust and general ventilation must be adequate to meet exposure standards.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

- On product

- **Appearance**
- **Physical state at 20 °C** : Liquid.
- Colour** : Colourless.
- **pH value** : 7.5 - 8.5
- **Flash point [°C]** : Not applicable.
- **Density** : 1.01 +/- 0.05
- **Solubility in water** : Complete.
- **Viscosity** : 15 - 25 Poises

- On components

9.2. Other information

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SECTION 9. Physical and chemical properties (continued)

VOC (g/l) : This product contains max 20 g/l VOC
VOC family : EU limit value for this product (cat. A/j): 140 g/l (2007) / 140 g/l (2010).

SECTION 10. Stability and reactivity

10.1. Reactivity

None under normal conditions.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions : None under normal conditions.
Uncontrolled exothermic reactions occur with amines and alcohols. The product reacts slowly with water resulting in evolution of carbon dioxide.

Hazardous properties : None under normal conditions.
In closed containers, pressure build up could result in distortion blowing and in extreme cases bursting of the container.

10.4. Conditions to avoid

Conditions to avoid : Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

10.5. Incompatible materials

Materials to avoid : None under normal conditions.

10.6. Hazardous decomposition products

Hazardous decomposition products : If exposed to high temperatures, hazardous decomposition, products such as smoke, carbon monoxide, carbon dioxide, oxides of nitrogen, hydrogen cyanide and isocyanates may be produced.

SECTION 11. Toxicological information

11.1. Information on toxicological effects

• On product

There are no data available on the mixture itself.
Polyisocyanate aliphatique hydrophile : May produce an allergic reaction.

- **Acute toxicity** : There are no data available on the mixture itself.
- **Inhalation** : Irritating to respiratory system.
: **Based on the properties of the isocyanate components and considering toxicological data on similar preparations, this preparation may cause acute irritation and/or sensitization of the respiratory system leading to an asthmatic condition, wheeziness and a tightness of the chest. Sensitized persons may subsequently show asthmatic symptoms when exposed to atmospheric concentrations well below the OEL. Repeated exposure may lead to permanent respiratory disability.**
- **Skin corrosion/irritation**
- Dermal** : May cause sensitization by skin contact.
- **Serious eye damage/irritation** : Contact with the eyes is likely to be irritating.
- **Respiratory or skin sensitisation** : Respiratory sensitization.
May cause sensitization by skin contact.

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SECTION 11. Toxicological information (continued)

- 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 : Based on available data, the classification criteria are not met.
- STOT-single exposure : Based on available data, the classification criteria are not met.
- STOT-repeated exposure : Based on available data, the classification criteria are not met.
- Aspiration hazard : Based on available data, the classification criteria are not met.

• On components

Polyisocyanate aliphatique hydrophile : Rat oral LD50 [mg/kg] : > 5000

SECTION 12. Ecological information

On product : There are no data available on the mixture itself.

12.1. Toxicity

- Ecological effects information : Avoid release to the environment.
- LC50-96 Hour - fish [mg/l] : No data available.
- 48 Hour-EC50 - Daphnia magna [mg/l] : No data available.
- IC50 72h Algae [mg/l] : No data available.

On components

12.2. Persistence and degradability

- Information on elimination : Prevent entry to sewers and public waters.
- BOD5-value [mg/l] : No data available.
- COD-value [mg/l] : No data available.

On components

12.3. Bioaccumulative potential

There are no data available on the mixture itself.

12.4. Mobility in soil

There are no data available on the mixture itself.

12.5. Results of PBT and vPvB assessment

The product does not meet the PBT and vPvB classification criteria (REACH Annex XIII).
The product does not contain substance PBT or vPvB

12.6. Other adverse effects

Not known.

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SECTION 13. Disposal considerations

13.1. Waste treatment methods

Disposal : Dispose of this material and its container at hazardous or special waste collection point. Dispose in a safe manner in accordance with local/national regulations. Avoid release to the environment.

SECTION 14. Transport information

General information : Not regulated.
In accordance with ADR.

Emergency action in case of accident : Stop the engine. No naked lights. No smoking. Mark roads and warns other road users.

SECTION 15. Regulatory information

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

Ensure all national/local regulations are observed.

15.2. Chemical safety assessment

No data available.

SECTION 16. Other information

List of relevant R phrases (§ 3) : R11 : Highly flammable.
R20 : Harmful by inhalation.
R37 : Irritating to respiratory system.
R38 : Irritating to skin.
R41 : Risk of serious damage to eyes.
R43 : May cause sensitization by skin contact.
R50 : Very toxic to aquatic organisms.

List of relevant H phrases (Section 3) : H225 - Highly flammable liquid and vapour
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage
H332 - Harmful if inhaled
H335 - May cause respiratory irritation
H400 - Very toxic to aquatic life

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