

# RESENE ARMOURCHLOR HB-F (White & UDB)

RESENE PAINTS LTD

Chemwatch: 9-57362  
Version No: 1.2  
Safety Data Sheet according to HSNO Regulations

Chemwatch Hazard Alert Code: 3

Issue Date: 22/05/2014  
Print Date: 23/05/2014  
Initial Date: **Not Available**  
S.GHS.NZLEN

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

### Product Identifier

|                               |                                       |
|-------------------------------|---------------------------------------|
| Product name                  | RESENE ARMOURCHLOR HB-F (White & UDB) |
| 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                        |

### Relevant identified uses of the substance or mixture and uses advised against

|                          |                                             |
|--------------------------|---------------------------------------------|
| Relevant identified uses | Use according to manufacturer's directions. |
|--------------------------|---------------------------------------------|

### Details of the supplier of the safety data sheet

|                         |                                                           |  |  |
|-------------------------|-----------------------------------------------------------|--|--|
| Registered company name | RESENE PAINTS LTD                                         |  |  |
| Address                 | 32-50 Vogel Street, Lower Hutt, Wellington<br>New Zealand |  |  |
| Telephone               | +64 4 5770500                                             |  |  |
| Fax                     | +64 4 5773327                                             |  |  |
| Website                 | www.resene.co.nz                                          |  |  |
| Email                   | advice@resene.co.nz                                       |  |  |

### Emergency telephone number

|                                   |               |  |  |
|-----------------------------------|---------------|--|--|
| Association / Organisation        | Not Available |  |  |
| Emergency telephone numbers       | 0800 737363   |  |  |
| Other emergency telephone numbers | 0800 737363   |  |  |

### CHEMWATCH EMERGENCY RESPONSE

| Primary Number | Alternative Number 1 | Alternative Number 2 |
|----------------|----------------------|----------------------|
| +800 2436 2255 | +612 9186 1132       | Not Available        |

Once connected and if the message is not in your preferred language then please dial 01

## SECTION 2 HAZARDS IDENTIFICATION

### Classification of the substance or mixture

**Considered a Hazardous Substance according to the criteria of the New Zealand Hazardous Substances New Organisms legislation.  
Classified as Dangerous Goods for transport purposes.**

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GHS Classification <sup>[1]</sup>               | Flammable Liquid Category 3, Acute Toxicity (Dermal) Category 4, Acute Toxicity (Inhalation) Category 4, Skin Corrosion/Irritation Category 2, Eye Irritation Category 2A, Skin Sensitizer Category 1, Carcinogen Category 2, Reproductive Toxicity Category 1, STOT - SE (Resp. Irr.) Category 3, STOT - SE (Narcosis) Category 3, Acute Aquatic Hazard Category 2, Chronic Aquatic Hazard Category 2 |
| Legend:                                         | 1. Classified by Chemwatch; 2. Classification drawn from CCID EPA NZ; 3. Classification drawn from EC Directive 1272/2008 - Annex VI                                                                                                                                                                                                                                                                   |
| Determined by Chemwatch using GHS/HSNO criteria | 3.1C, 6.1D (dermal), 6.1D (inhalation), 6.3A, 6.4A, 6.5B (contact), 6.7B, 6.8A, 6.9 (narcotic), 6.9 (respiratory), 9.1B, 9.1D                                                                                                                                                                                                                                                                          |

### Label elements

|                    |                                                                                                                                                                                                                                                                                                                                                 |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GHS label elements |     |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## RESENE ARMOURCHLOR HB-F (White &amp; UDB)

## SIGNAL WORD

DANGER

## Hazard statement(s)

|      |                                                 |
|------|-------------------------------------------------|
| H226 | Flammable liquid and vapour                     |
| H312 | Harmful in contact with skin                    |
| H332 | Harmful if inhaled                              |
| H315 | Causes skin irritation                          |
| H319 | Causes serious eye irritation                   |
| H317 | May cause an allergic skin reaction             |
| H351 | Suspected of causing cancer                     |
| H360 | May damage fertility or the unborn child        |
| H335 | May cause respiratory irritation                |
| H336 | May cause drowsiness or dizziness               |
| H401 | Toxic to aquatic life                           |
| H411 | Toxic to aquatic life with long lasting effects |

## Precautionary statement(s): Prevention

|      |                                         |
|------|-----------------------------------------|
| P201 | Obtain special instructions before use. |
|------|-----------------------------------------|

## Precautionary statement(s): Response

|           |                                                        |
|-----------|--------------------------------------------------------|
| P308+P313 | IF exposed or concerned: Get medical advice/attention. |
|-----------|--------------------------------------------------------|

## Precautionary statement(s): Storage

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

## Precautionary statement(s): Disposal

|      |                                                                                                              |
|------|--------------------------------------------------------------------------------------------------------------|
| P501 | Dispose of contents/container to authorised chemical landfill or if organic to high temperature incineration |
|------|--------------------------------------------------------------------------------------------------------------|

## SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

## Substances

See section below for composition of Mixtures

## Mixtures

| CAS No      | %[weight] | Name                                                                   |
|-------------|-----------|------------------------------------------------------------------------|
| 64742-95-6. | 50-60     | <a href="#">naphtha petroleum, light aromatic solvent</a>              |
| 63449-39-8  | 1-10      | <a href="#">Chlorowax 40 (chlorinated paraffin, long chain grades)</a> |
| 25068-38-6  | <=1       | <a href="#">bisphenol A/ epichlorohydrin resin, liquid</a>             |
| 28064-14-4  | <=1       | <a href="#">phenyl glycidyl ether/ formaldehyde copolymer</a>          |

## SECTION 4 FIRST AID MEASURES

NZ Poisons Centre 0800 POISON (0800 764 766) | NZ Emergency Services: 111

## Description of first aid measures

|              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Eye Contact  | <p>If this product comes in contact with the eyes:</p> <ul style="list-style-type: none"> <li>Wash out immediately with fresh running water.</li> <li>Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.</li> <li>Seek medical attention without delay; if pain persists or recurs seek medical attention.</li> <li>Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.</li> </ul>                                        |
| Skin Contact | <p>If skin contact occurs:</p> <ul style="list-style-type: none"> <li>Immediately remove all contaminated clothing, including footwear.</li> <li>Flush skin and hair with running water (and soap if available).</li> <li>Seek medical attention in event of irritation.</li> </ul>                                                                                                                                                                                                                                                                                        |
| Inhalation   | <ul style="list-style-type: none"> <li>If fumes or combustion products are inhaled remove from contaminated area.</li> <li>Lay patient down. Keep warm and rested.</li> <li>Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures.</li> <li>Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary.</li> <li>Transport to hospital, or doctor, without delay.</li> </ul>     |
| Ingestion    | <ul style="list-style-type: none"> <li>If swallowed do <b>NOT</b> induce vomiting.</li> <li>If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.</li> <li>Observe the patient carefully.</li> <li>Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious.</li> <li>Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink.</li> <li>Seek medical advice.</li> </ul> |

Continued...

## RESENE ARMOURCHLOR HB-F (White &amp; UDB)

- ▶ Avoid giving milk or oils.
- ▶ Avoid giving alcohol.
- ▶ If spontaneous vomiting appears imminent or occurs, hold patient's head down, lower than their hips to help avoid possible aspiration of vomitus.

## Indication of any immediate medical attention and special treatment needed

- For acute or short term repeated exposures to petroleum distillates or related hydrocarbons:
- ▶ Primary threat to life, from pure petroleum distillate ingestion and/or inhalation, is respiratory failure.
  - ▶ Patients should be quickly evaluated for signs of respiratory distress (e.g. cyanosis, tachypnoea, intercostal retraction, obtundation) and given oxygen. Patients with inadequate tidal volumes or poor arterial blood gases (pO<sub>2</sub> 50 mm Hg) should be intubated.
  - ▶ Arrhythmias complicate some hydrocarbon ingestion and/or inhalation and electrocardiographic evidence of myocardial injury has been reported; intravenous lines and cardiac monitors should be established in obviously symptomatic patients. The lungs excrete inhaled solvents, so that hyperventilation improves clearance.
  - ▶ A chest x-ray should be taken immediately after stabilisation of breathing and circulation to document aspiration and detect the presence of pneumothorax.
  - ▶ Epinephrine (adrenalin) is not recommended for treatment of bronchospasm because of potential myocardial sensitisation to catecholamines. Inhaled cardioselective bronchodilators (e.g. Alupent, Salbutamol) are the preferred agents, with aminophylline a second choice.
  - ▶ Lavage is indicated in patients who require decontamination; ensure use of cuffed endotracheal tube in adult patients. [Ellenhorn and Barceloux: Medical Toxicology]

## SECTION 5 FIREFIGHTING MEASURES

## Extinguishing media

- ▶ Foam.

## Special hazards arising from the substrate or mixture

## Fire Incompatibility

- ▶ Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result

## Advice for firefighters

## Fire Fighting

- ▶ Alert Fire Brigade and tell them location and nature of hazard.

## Fire/Explosion Hazard

- ▶ Liquid and vapour are flammable.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

## Personal precautions, protective equipment and emergency procedures

## Minor Spills

- ▶ Remove all ignition sources.

## Major Spills

- ▶ Clear area of personnel and move upwind.

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

## SECTION 7 HANDLING AND STORAGE

## Precautions for safe handling

## Safe handling

- ▶ Containers, even those that have been emptied, may contain explosive vapours.

## Other information

- ▶ Store in original containers in approved flammable liquid storage area.

## Conditions for safe storage, including any incompatibilities

## Suitable container

- ▶ Packing as supplied by manufacturer.

## Storage incompatibility

For alkyl aromatics:  
The alkyl side chain of aromatic rings can undergo oxidation by several mechanisms.

## PACKAGE MATERIAL INCOMPATIBILITIES

Not Available

## SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

## Control parameters

## OCCUPATIONAL EXPOSURE LIMITS (OEL)

## INGREDIENT DATA

Not Available

## EMERGENCY LIMITS

| Ingredient                                    | TEEL-0            | TEEL-1                | TEEL-2         | TEEL-3   |
|-----------------------------------------------|-------------------|-----------------------|----------------|----------|
| naphtha petroleum, light aromatic solvent     | 500(ppm)          | 750(ppm)              | 750(ppm)       | 750(ppm) |
| bisphenol A/ epichlorohydrin resin, liquid    | 125 / 4 / 50(ppm) | 150 / 350 / 12.5(ppm) | 500 / 100(ppm) | 500(ppm) |
| phenyl glycidyl ether/ formaldehyde copolymer | 15(ppm)           | 50(ppm)               | 350(ppm)       | 500(ppm) |

Continued...

## RESENE ARMOURCHLOR HB-F (White &amp; UDB)

| Ingredient                            | Original IDLH | Revised IDLH  |
|---------------------------------------|---------------|---------------|
| RESENE ARMOURCHLOR HB-F (White & UDB) | Not Available | Not Available |

## Exposure controls

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Appropriate engineering controls | Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard.                                                                                                                                                                                                                                                                                                                     |
| Personal protection              |      |
| Eye and face protection          | Safety glasses with side shields.                                                                                                                                                                                                                                                                                                                                                                                          |
| Skin protection                  | See Hand protection below                                                                                                                                                                                                                                                                                                                                                                                                  |
| Hand protection                  | ► Wear chemical protective gloves, e.g. PVC.                                                                                                                                                                                                                                                                                                                                                                               |
| Body protection                  | See Other protection below                                                                                                                                                                                                                                                                                                                                                                                                 |
| Other protection                 | ► Overalls.                                                                                                                                                                                                                                                                                                                                                                                                                |
| Thermal hazards                  | Not Available                                                                                                                                                                                                                                                                                                                                                                                                              |

## Recommended material(s)

## GLOVE SELECTION INDEX

Glove selection is based on a modified presentation of the:

**"Forsberg Clothing Performance Index".**

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

RESENE ARMOURCHLOR HB-F (White & UDB) Not Available

| Material | CPI |
|----------|-----|
|----------|-----|

\* 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.

## Respiratory protection

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 10 x ES                      | A-AUS P2             | -                    | A-PAPR-AUS / Class 1 P2 |
| up to 50 x ES                      | -                    | A-AUS / Class 1 P2   | -                       |
| up to 100 x ES                     | -                    | A-2 P2               | A-PAPR-2 P2 ^           |

^ - 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 point organic compounds(below 65 degC)

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

## Information on basic physical and chemical properties

| Appearance                                   | COLOURED VISCOUS LIQUID |                                         |               |
|----------------------------------------------|-------------------------|-----------------------------------------|---------------|
| Physical state                               | Liquid                  | Relative density (Water = 1)            | 1.07 - 1.20   |
| Odour                                        | Not Available           | Partition coefficient n-octanol / water | Not Available |
| Odour threshold                              | Not Available           | Auto-ignition temperature (°C)          | 465           |
| 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) | 148                     | Molecular weight (g/mol)                | Not Available |
| Flash point (°C)                             | 41                      | Taste                                   | Not Available |
| Evaporation rate                             | 0.7                     | Explosive properties                    | Not Available |
| Flammability                                 | Flammable.              | Oxidising properties                    | Not Available |
| Upper Explosive Limit (%)                    | 7.0                     | Surface Tension (dyn/cm or mN/m)        | Not Available |
| Lower Explosive Limit (%)                    | 0.6                     | Volatile Component (%vol)               | 57            |
| Vapour pressure (kPa)                        | 1.3                     | Gas group                               | Not Available |
| Solubility in water (g/L)                    | Immiscible              | pH as a solution(1%)                    | Not Available |
| Vapour density (Air = 1)                     | 4                       | VOC g/L                                 | Not Available |

Continued...

## SECTION 10 STABILITY AND REACTIVITY

|                                    |                                       |
|------------------------------------|---------------------------------------|
| Reactivity                         | See section 7                         |
| Chemical stability                 | ► Presence of incompatible materials. |
| Possibility of hazardous reactions | See section 7                         |
| Conditions to avoid                | See section 7                         |
| Incompatible materials             | See section 7                         |
| Hazardous decomposition products   | See section 5                         |

## SECTION 11 TOXICOLOGICAL INFORMATION

## Information on toxicological effects

|              |                                                                                                                                                                                                                                                                                            |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Inhaled      | Inhalation of vapours or aerosols (mists, fumes), generated by the material during the course of normal handling, may be harmful.                                                                                                                                                          |
| Ingestion    | Accidental ingestion of the material may be damaging to the health of the individual.                                                                                                                                                                                                      |
| Skin Contact | Skin contact with the material may be harmful; systemic effects may result following absorption.                                                                                                                                                                                           |
| Eye          | Evidence exists, or practical experience predicts, that the material may cause eye irritation in a substantial number of individuals and/or may produce significant ocular lesions which are present twenty-four hours or more after instillation into the eye(s) of experimental animals. |
| Chronic      | Long-term exposure to respiratory irritants may result in disease of the airways involving difficult breathing and related systemic problems.                                                                                                                                              |

|                                                        |                                        |                                |
|--------------------------------------------------------|----------------------------------------|--------------------------------|
| RESENE ARMOURCHLOR HB-F (White & UDB)                  | TOXICITY                               | IRRITATION                     |
|                                                        | Not Available                          | Not Available                  |
| naphtha petroleum, light aromatic solvent              | TOXICITY                               | IRRITATION                     |
|                                                        | Inhalation (rat) LC50: >3670 ppm/8 h * | Nil reported                   |
|                                                        | Oral (rat) LD50: >5000 mg/kg *         | Not Available                  |
| Chlorowax 40 (chlorinated paraffin, long chain grades) | TOXICITY                               | IRRITATION                     |
|                                                        | Oral (rat) LD50: >4000 mg/kg [I.C.I.]  | Not Available                  |
| bisphenol A/ epichlorohydrin resin, liquid             | TOXICITY                               | IRRITATION                     |
|                                                        | Oral (rat) LD50: 11400 mg/kg           | Eye (rabbit): 100mg - Mild     |
| phenyl glycidyl ether/ formaldehyde copolymer          | TOXICITY                               | IRRITATION                     |
|                                                        | Dermal (Rat) LD50: 4000 mg/kg *        | * [Ciba-Geigy]                 |
|                                                        | Oral (Rat) LD50: 4000 mg/kg *          | Effects transient              |
|                                                        |                                        | Eyes * (-) (-) Slight irritant |
|                                                        |                                        | May cause allergic response    |
|                                                        |                                        | Skin * (-) (-) Slight irritant |
|                                                        | Not Available                          | Not Available                  |

|                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NAPHTHA PETROLEUM, LIGHT AROMATIC SOLVENT                                                                                        | For trimethylbenzenes:<br>Absorption of 1,2,4-trimethylbenzene occurs after oral, inhalation, or dermal exposure.<br>Inhalation (rat) TCLo: 1320 ppm/6h/90D-I * [Devoe]                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| CHLOROWAX 40 (CHLORINATED PARAFFIN, LONG CHAIN GRADES)                                                                           | The material may be irritating to the eye, with prolonged contact causing inflammation.<br>Cereclor range: Chlorinated paraffin waxes represents a family of substances which vary in molecular weight. Studies using the C12, 59% chlorinated variant (in combination with corn oil) caused tumors when force fed at very high doses over long periods of time. an increase in tumors only in the male mouse. finding study was conducted on rats with a C24, 70% chlorinated paraffin. This study established a no effect level of 900 mg/kg/day. Pregnant rats fed C16, 52% chlorinated paraffin had offspring which died during weaning. |
| RESENE ARMOURCHLOR HB-F (White & UDB), BISPHENOL A/ EPICHLOROHYDRIN RESIN, LIQUID, PHENYL GLYCIDYL ETHER/ FORMALDEHYDE COPOLYMER | The following information refers to contact allergens as a group and may not be specific to this product.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

|                           |   |                 |   |
|---------------------------|---|-----------------|---|
| Acute Toxicity            | ✓ | Carcinogenicity | ✓ |
| Skin Irritation/Corrosion | ✓ | Reproductivity  | ✓ |

|                                   |   |                          |   |
|-----------------------------------|---|--------------------------|---|
| Serious Eye Damage/Irritation     | ✓ | STOT - Single Exposure   | ✓ |
| Respiratory or Skin sensitisation | ✓ | STOT - Repeated Exposure | ⊘ |
| Mutagenicity                      | ⊘ | Aspiration Hazard        | ⊘ |

**CMR STATUS**

Not Applicable

**SECTION 12 ECOLOGICAL INFORMATION****Toxicity**

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Persistence and degradability**

| Ingredient    | Persistence: Water/Soil | Persistence: Air |
|---------------|-------------------------|------------------|
| Not Available | Not Available           | Not Available    |

**Bioaccumulative potential**

| Ingredient    | Bioaccumulation |
|---------------|-----------------|
| Not Available | Not Available   |

**Mobility in soil**

| Ingredient    | Mobility      |
|---------------|---------------|
| Not Available | Not Available |

**SECTION 13 DISPOSAL CONSIDERATIONS****Waste treatment methods**

|                              |                                                                                                                          |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Product / Packaging disposal | ▶ Containers may still present a chemical hazard/ danger when empty.                                                     |
|                              | Insure that the disposal of material is carried out in accordance with Hazardous Substances (Disposal) Regulations 2001. |

**SECTION 14 TRANSPORT INFORMATION****Labels Required**

|                  |                                                                                     |
|------------------|-------------------------------------------------------------------------------------|
|                  |  |
| Marine Pollutant |  |
| HAZCHEM          | Not Applicable                                                                      |

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

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

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

**SECTION 15 REGULATORY INFORMATION****Safety, health and environmental regulations / legislation specific for the substance or mixture**

This substance is to be managed using the conditions specified in an applicable Group Standard

| HSR Number | Group Standard                                                                              |
|------------|---------------------------------------------------------------------------------------------|
| HSR002596  | Laboratory Chemicals and Reagent Kits Group Standard 2006                                   |
| HSR002584  | Fuel Additives (Flammable, Toxic [6.7]) Group Standard 2006                                 |
| HSR002589  | Industrial and Institutional Cleaning Products (Flammable, Toxic [6.7]) Group Standard 2006 |
| HSR002669  | Surface Coatings and Colourants (Flammable, Toxic [6.7]) Group Standard 2006                |
| HSR002643  | Polymers (Flammable, Toxic [6.7]) Group Standard 2006                                       |
| HSR002622  | N.O.S.                                                                                      |
| HSR002502  | Additives, Process Chemicals and Raw Materials (Flammable, Toxic [6.7]) Group Standard 2006 |
| HSR002563  | Embalming Products (Flammable) Group Standard 2006                                          |

## RESENE ARMOURCHLOR HB-F (White &amp; UDB)

|           |                                                         |
|-----------|---------------------------------------------------------|
| HSR100425 | Pharmaceutical Active Ingredients Group Standard 2010   |
| HSR002604 | Lubricants (Flammable, Toxic [6.7]) Group Standard 2006 |
| HSR002652 | Solvents (Flammable, Toxic [6.7]) Group Standard 2006   |

|                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>naphtha petroleum, light aromatic solvent(64742-95-6.) is found on the following regulatory lists</b>             | "International Maritime Dangerous Goods Requirements (IMDG Code)", "International Council of Chemical Associations (ICCA) - High Production Volume List", "International Maritime Dangerous Goods Requirements (IMDG Code) - Substance Index", "New Zealand Inventory of Chemicals (NZIoC)", "United Nations Recommendations on the Transport of Dangerous Goods Model Regulations (English)", "OECD List of High Production Volume (HPV) Chemicals", "Belgium Federal Public Service Mobility and Transport, Regulations concerning the International Carriage of Dangerous Goods by Rail - Table A: Dangerous Goods List - RID 2013 (Dutch)", "International Chemical Secretariat (ChemSec) SIN List (*Substitute It Now!)", "United Nations Recommendations on the Transport of Dangerous Goods Model Regulations (Spanish)", "OECD Existing Chemicals Database", "New Zealand Land Transport Rule: Dangerous Goods 2005 - Schedule 2 Dangerous Goods in Limited Quantities and Consumer Commodities", "International Air Transport Association (IATA) Dangerous Goods Regulations"                                                                                                                                                                                                                                                                |
| <b>Chlorowax 40 (chlorinated paraffin, long chain grades)(63449-39-8) is found on the following regulatory lists</b> | "OSPAR List of Substances of Possible Concern", "International Council of Chemical Associations (ICCA) - High Production Volume List", "WHO Model List of Essential Medicines - Adults", "OSPAR List of Chemicals for Priority Action", "New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals - Classification Data", "New Zealand Inventory of Chemicals (NZIoC)", "International Maritime Dangerous Goods Requirements (IMDG Code) - Marine Pollutants", "United Nations Consolidated List of Products Whose Consumption and/or Sale Have Been Banned, Withdrawn, Severely Restricted or Not Approved by Governments", "OECD List of High Production Volume (HPV) Chemicals", "International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs", "International Chemical Secretariat (ChemSec) SIN List (*Substitute It Now!)", "UNECE - Kiev Protocol on Pollutant Release and Transfer Registers - Annex II", "Sigma-AldrichTransport Information", "OECD Existing Chemicals Database", "GESAMP/EHS Composite List - GESAMP Hazard Profiles", "New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals", "IMO IBC Code Chapter 17: Summary of minimum requirements"                                                                      |
| <b>bisphenol A/ epichlorohydrin resin, liquid(25068-38-6) is found on the following regulatory lists</b>             | "International Maritime Dangerous Goods Requirements (IMDG Code)", "WHO Model List of Essential Medicines - Adults", "New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals - Classification Data", "International Maritime Dangerous Goods Requirements (IMDG Code) - Substance Index", "New Zealand Inventory of Chemicals (NZIoC)", "United Nations Recommendations on the Transport of Dangerous Goods Model Regulations (English)", "OECD List of High Production Volume (HPV) Chemicals", "Belgium Federal Public Service Mobility and Transport, Regulations concerning the International Carriage of Dangerous Goods by Rail - Table A: Dangerous Goods List - RID 2013 (Dutch)", "OSPAR National List of Candidates for Substitution - United Kingdom", "Sigma-AldrichTransport Information", "United Nations Recommendations on the Transport of Dangerous Goods Model Regulations (Spanish)", "OECD Existing Chemicals Database", "International Air Transport Association (IATA) Dangerous Goods Regulations", "New Zealand Hazardous Substances and New Organisms (HSNO) Act - Classification of Chemicals", "New Zealand Hazardous Substances and New Organisms (HSNO) Act - Chemicals (single components)", "New Zealand Land Transport Rule: Dangerous Goods 2005 - Schedule 1 Quantity limits" |
| <b>phenyl glycidyl ether/ formaldehyde copolymer(28064-14-4) is found on the following regulatory lists</b>          | "International Maritime Dangerous Goods Requirements (IMDG Code)", "International Maritime Dangerous Goods Requirements (IMDG Code) - Substance Index", "New Zealand Inventory of Chemicals (NZIoC)", "United Nations Recommendations on the Transport of Dangerous Goods Model Regulations (English)", "Belgium Federal Public Service Mobility and Transport, Regulations concerning the International Carriage of Dangerous Goods by Rail - Table A: Dangerous Goods List - RID 2013 (Dutch)", "Sigma-AldrichTransport Information", "United Nations Recommendations on the Transport of Dangerous Goods Model Regulations (Spanish)", "International Air Transport Association (IATA) Dangerous Goods Regulations", "New Zealand Land Transport Rule: Dangerous Goods 2005 - Schedule 1 Quantity limits"                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

## SECTION 16 OTHER INFORMATION

## Other information

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

A list of reference resources used to assist the committee may be found at:

[www.chemwatch.net/references](http://www.chemwatch.net/references)

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.

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