## **SAFETY DATA SHEET**



#### Conforms to Official Mexican Standard NOM-018-STPS-2015

Date of revision 9 May 2024

Version 9

Date of issue 9 May 2024

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

| Product name                         | : K&L KOLORANE PENETRATING SEALER   |
|--------------------------------------|---|
| Product code                         | : KL9129/05   |
| Other means of<br>identification     | : Not applicable.   |
| Product type                         | : Liquid.   |
| Relevant identified uses o           | f the substance or mixture and uses advised against   |
| Product use                          | : Industrial applications, Used by spraying.  |
| Use of the substance/<br>mixture     | : Coating.  |
| Uses advised against                 | : Not applicable.   |
| Manufacturer                         | : PPG Industries, Inc.<br>One PPG Place<br>Pittsburgh, PA 15272   |
| <u>Emergency telephone</u><br>number | <ul> <li>[412) 434-4515 (U.S.)</li> <li>(514) 645-1320 (Canada)</li> <li>SETIQ Interior de la República: 800-00-214-00 (México)</li> <li>SETIQ Ciudad de México: (55) 5559-1588 (México)</li> </ul> |
| Technical Phone Number               | : 888-977-4762  |

## **SECTION 2: Hazards identification**

| <b>Classification of the</b> | : FLAMMABLE LIQUIDS - Category 3   |
|------------------------------|--|
| substance or mixture         | ACUTE TOXICITY (oral) - Category 4   |
|                              | ACUTE TOXICITY (dermal) - Category 4   |
|                              | ACUTE TOXICITY (inhalation) - Category 4   |
|                              | SKIN CORROSION - Category 1C   |
|                              | EYE IRRITATION - Category 2A   |
|                              | RESPIRATORY SENSITIZATION - Category 1   |
|                              | SKIN SENSITIZATION - Category 1  |
|                              | CARCINOGENICITY - Category 2   |
|                              | TOXIC TO REPRODUCTION - Category 1B  |
|                              | SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract                  |
|                              | irritation) - Category 3   |
|                              | SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2                      |
|                              | Percentage of the mixture consisting of ingredient(s) of unknown acute toxicity: 23% |
|                              | (oral), 26.8% (dermal), 26.1% (inhalation)   |
|                              |  |

#### **GHS label elements**

Hazard pictograms

Product name K&L KOLORANE PENETRATING SEALER

## **SECTION 2: Hazards identification**

| : |  |  |
|---|--|--|
|   |  |  |

|                          | • • • • •   |
|--------------------------|---|
| Signal word              | : Danger  |
| Hazard statements        | <ul> <li>1 226 - Flammable liquid and vapor.<br/>H302 + H312 + H332 - Harmful if swallowed, in contact with skin or if inhaled.<br/>H314 - Causes severe skin burns and eye damage.<br/>H317 - May cause an allergic skin reaction.<br/>H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.<br/>H335 - May cause respiratory irritation.<br/>H351 - Suspected of causing cancer.<br/>H360 - May damage fertility or the unborn child.<br/>H373 - May cause damage to organs through prolonged or repeated exposure.<br/>(hearing organs, respiratory system)</li> </ul>   |
| Precautionary statements |   |
| Prevention               | <ul> <li>P201 - Obtain special instructions before use.</li> <li>P202 - Do not handle until all safety precautions have been read and understood.</li> <li>P280 - Wear protective gloves, protective clothing and eye or face protection.</li> <li>P284 - Wear respiratory protection.</li> <li>P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</li> <li>P271 - Use only outdoors or in a well-ventilated area.</li> <li>P260 - Do not breathe vapor.</li> <li>P270 - Do not eat, drink or smoke when using this product.</li> <li>P264 - Wash thoroughly after handling.</li> <li>P272 - Contaminated work clothing should not be allowed out of the workplace.</li> </ul>   |
| Response                 | <ul> <li>F308 + P313 - IF exposed or concerned: Get medical advice or attention.<br/>P304 + P340, P310 - IF INHALED: Remove person to fresh air and keep<br/>comfortable for breathing. Immediately call a POISON CENTER or doctor.<br/>P342 + P311 - If experiencing respiratory symptoms: Call a POISON CENTER or<br/>doctor.</li> <li>P301 + P310, P330, P331 - IF SWALLOWED: Immediately call a POISON<br/>CENTER or doctor. Rinse mouth. Do NOT induce vomiting.</li> <li>P303 + P361 + P353, P310 - IF ON SKIN (or hair): Take off immediately all<br/>contaminated clothing. Rinse skin with water. Immediately call a POISON CENTER<br/>or doctor.</li> <li>P363 - Wash contaminated clothing before reuse.</li> <li>P302 + P312, P352 - IF ON SKIN: Call a POISON CENTER or doctor if you feel<br/>unwell. Wash with plenty of water.</li> <li>P333 + P313 - If skin irritation or rash occurs: Get medical advice or attention.</li> <li>P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes.<br/>Remove contact lenses, if present and easy to do. Continue rinsing.</li> <li>P337 + P313 - If eye irritation persists: Get medical advice or attention.</li> </ul> |
| Storage                  | <ul> <li>₽405 - Store locked up.</li> <li>P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.</li> </ul>   |
| Disposal                 | : P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.  |

#### Product name K&L KOLORANE PENETRATING SEALER

### **SECTION 2: Hazards identification**

Other hazards which do not : Prolonged or repeated contact may dry skin and cause irritation. Repeated result in classification exposure to high vapor concentrations may cause irritation of the respiratory system and permanent brain and nervous system damage. Inhalation of vapor/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness and nausea and may lead to unconsciousness or death. Skin contact to isocyanate monomer may lead to allergic lung reaction. Based on the properties of the isocyanate components and considering toxicological data on similar mixtures, this mixture may cause acute irritation and/or sensitization of the respiratory system, leading to an asthmatic condition, wheezing and tightness of the chest. Sensitized persons may subsequently show asthmatic symptoms when exposed to atmospheric concentrations well below the OEL. Persons with a history of skin sensitization problems or asthma, allergies or chronic or recurrent respiratory disease should not be employed in any process in which this product is used. Repeated exposure may lead to permanent respiratory disability. Moisture-sensitive material. Emits toxic fumes when heated.

See toxicological information (Section 11)

## **SECTION 3: Composition/information on ingredients**

| Substance/mixture                | : Mixture                         |
|----------------------------------|-----------------------------------|
| Product name                     | : K&L KOLORANE PENETRATING SEALER |
| Other means of<br>identification | : Not applicable.                 |

| Ingredient name   | %            | CAS number |
|---|--------------|------------|
| Poly[oxy(methyl-1,2-ethanediyl)], α-hydro-ω-hydroxy-, polymer with 1,3-diisocyanatomethylbenzene  | ≥20 - ≤48    | 9057-91-4  |
| xylene  | ≥20 - ≤26    | 1330-20-7  |
| Poly[oxy(methyl-1,2-ethanediyl)], .alphahydroomegahydroxy-, ether<br>with 2,2-bis(hydroxymethyl)-1,3-propanediol (4:1), polymer with<br>1,3-diisocyanatomethylbenzene | ≥10 - ≤20    | 51617-66-4 |
| Isocyanic acid, polymethylenepolyphenylene ester, polymer with 1,2-ethanediamine, 2-methyloxirane and 1,2-propanediol   | ≥10 - ≤20    | 67815-87-6 |
| ethylbenzene  | ≥1.0 - ≤4.6  | 100-41-4   |
| Solvent naphtha (petroleum), light aromatic   | ≥1.0 - ≤4.4  | 64742-95-6 |
| 4,4'-methylenediphenyl diisocyanate   | ≥0.10 - ≤2.4 | 101-68-8   |
| 1,2,4-trimethylbenzene  | ≥0.10 - ≤2.1 | 95-63-6    |
| Isocyanic acid, polymethylenepolyphenylene ester  | ≤1.6         | 9016-87-9  |
| 4-isocyanatosulphonyltoluene  | <1.0         | 4083-64-1  |
| dibutylbis(dodecylthio)stannane   | <1.0         | 1185-81-5  |
| methylenediphenyl diisocyanate  | <1.0         | 26447-40-5 |
| toluene   | <1.0         | 108-88-3   |

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

### **SECTION 4: First aid measures**

#### Description of necessary first aid measures

| Eye contact  | : Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.  |
|--------------|--|
| Inhalation   | <ul> <li>Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is<br/>irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by<br/>trained personnel.</li> </ul> |
| Skin contact | <ul> <li>Remove contaminated clothing and shoes. Wash skin thoroughly with soap and<br/>water or use recognized skin cleanser. Do NOT use solvents or thinners.</li> </ul>   |
| Ingestion    | : If swallowed, seek medical advice immediately and show this container or label.<br>Keep person warm and at rest. Do NOT induce vomiting.   |

#### Most important symptoms/effects, acute and delayed

| Potential acute health | <u>n effects</u>   |
|------------------------|--|
| Eye contact            | : Causes serious eye irritation.   |
| Inhalation             | <ul> <li>Harmful if inhaled. May cause respiratory irritation. May cause allergy or asthma<br/>symptoms or breathing difficulties if inhaled.</li> </ul> |
| Skin contact           | : Causes severe burns. Harmful in contact with skin. Defatting to the skin. May cause an allergic skin reaction.   |
| Ingestion              | : Harmful if swallowed.  |
| Over-exposure signs    | leventome  |

#### **Over-exposure signs/symptoms**

See toxicological information (Section 11)

#### Indication of immediate medical attention and special treatment needed, if necessary

| Notes to physician         | <ul> <li>In case of inhalation of decomposition products in a fire, symptoms may be delayed.</li></ul>  |
|----------------------------|---|
| Specific treatments        | The exposed person may need to be kept under medical surveillance for 48 hours. <li>No specific treatment.</li>   |
| Protection of first-aiders | : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. |

## SECTION 5: Firefighting measures

| Extinguishing media                        |   |
|--|---|
| Suitable extinguishing media               | : Use dry chemical, CO <sub>2</sub> , water spray (fog) or foam.  |
| Unsuitable extinguishing media             | : Do not use water jet.   |
| Specific hazards arising from the chemical | : Flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard.<br>In a fire or if heated, a pressure increase will occur and the container may burst, with<br>the risk of a subsequent explosion. |
| Hazardous thermal decomposition products   | : Decomposition products may include the following materials:<br>carbon oxides<br>nitrogen oxides<br>Cyanate and isocyanate.<br>hydrogen cyanide  |

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## SECTION 5: Firefighting measures

| Special protective actions for fire-fighters      | : | Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. |
|---|---|--|
| Special protective<br>equipment for fire-fighters | : | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.  |

## **SECTION 6: Accidental release measures**

| Personal precautions, protec                               | tiv | e equipment and emergency procedures  |
|--|-----|---|
| For non-emergency<br>personnel<br>For emergency responders | :   | No action shall be taken involving any personal risk or without suitable training.<br>Evacuate surrounding areas. Keep unnecessary and unprotected personnel from<br>entering. Do not touch or walk through spilled material. Shut off all ignition sources.<br>No flares, smoking or flames in hazard area. Do not breathe vapor or mist. Provide<br>adequate ventilation. Wear appropriate respirator when ventilation is inadequate.<br>Put on appropriate personal protective equipment.<br>If specialized clothing is required to deal with the spillage, take note of any<br>information in Section 8 on suitable and unsuitable materials. See also the<br>information in "For non-emergency personnel".   |
| Environmental precautions                                  | :   | Avoid dispersal of spilled material and runoff and contact with soil, waterways,<br>drains and sewers. Inform the relevant authorities if the product has caused<br>environmental pollution (sewers, waterways, soil or air).   |
| Methods and materials for co                               | ont | ainment and cleaning up   |
| Small spill  | :   | Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble.<br>Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.   |
| Large spill  | :   | Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.  |
| Special provisions   | :   | Contain and collect spillage with non-combustible, absorbent material e.g. sand,<br>earth, vermiculite or diatomaceous earth and place in container for disposal<br>according to local regulations (see Section 13). Place in a suitable container. The<br>contaminated area should be cleaned immediately with a suitable decontaminant.<br>One possible (flammable) decontaminant comprises (by volume): water (45 parts),<br>ethanol or isopropyl alcohol (50 parts) and concentrated (d: 0,880) ammonia<br>solution (5 parts). A non-flammable alternative is sodium carbonate (5 parts) and<br>water (95 parts). Add the same decontaminant to the remnants and let stand for<br>several days until no further reaction in an unsealed container. Once this stage is<br>reached, close container and dispose of according to local regulations (see section<br>13). Do not allow to enter drains or watercourses. If the product contaminates lakes,<br>rivers, or sewers, inform the appropriate authorities in accordance with local<br>regulations. |

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## **SECTION 7: Handling and storage**

| Precautions for safe handling                                      |  |  |
|--|--|--|
| Protective measures  | Put on appropriate personal protective equipment (see Section 8). Persons<br>history of skin sensitization problems or asthma, allergies or chronic or recur<br>respiratory disease should not be employed in any process in which this pro-<br>used. Avoid exposure - obtain special instructions before use. Avoid expos-<br>during pregnancy. Do not handle until all safety precautions have been read-<br>understood. Do not get in eyes or on skin or clothing. Do not breathe vapor<br>Do not ingest. Use only with adequate ventilation. Wear appropriate respira-<br>when ventilation is inadequate. Do not enter storage areas and confined spa-<br>unless adequately ventilated. Keep in the original container or an approved<br>alternative made from a compatible material, kept tightly closed when not in<br>Store and use away from heat, sparks, open flame or any other ignition sour<br>explosion-proof electrical (ventilating, lighting and material handling) equipm<br>Jse only non-sparking tools. Take precautionary measures against electros<br>discharges. Empty containers retain product residue and can be hazardous<br>reuse container. | rrent<br>duct is<br>ure<br>d and<br>or mist.<br>ator<br>aces<br>use.<br>cce. Use<br>ent.<br>static |
| Special precautions  | /apors may accumulate in low or confined areas or travel a considerable dis<br>a source of ignition and flash back. Vapors are heavier than air and may spe<br>along floors. If this material is part of a multiple component system, read the<br>Data Sheet(s) for the other component or components before blending as the<br>resulting mixture may have the hazards of all of its parts.  | read<br>e Safety   |
| Advice on general<br>occupational hygiene                          | Eating, drinking and smoking should be prohibited in areas where this mater<br>handled, stored and processed. Workers should wash hands and face befo<br>eating, drinking and smoking. Remove contaminated clothing and protective<br>equipment before entering eating areas. See also Section 8 for additional<br>nformation on hygiene measures.   | re   |
| Conditions for safe storage,<br>including any<br>incompatibilities | Store between the following temperatures: 0 to $35^{\circ}$ C (32 to $95^{\circ}$ F). Store in<br>accordance with local regulations. Store in a segregated and approved area<br>n original container protected from direct sunlight in a dry, cool and well-ven<br>area, away from incompatible materials (see Section 10) and food and drink<br>ocked up. Eliminate all ignition sources. Separate from oxidizing materials,<br>container tightly closed and sealed until ready for use. Containers that have<br>oppened must be carefully resealed and kept upright to prevent leakage. Do<br>store in unlabeled containers. Use appropriate containment to avoid enviror<br>contamination.<br>Precautions should be taken to minimize exposure to atmospheric humidity<br>$CO_2$ will be formed, which, in closed containers, could result in pressurizatio   | tilated<br>. Store<br>. Keep<br>been<br>not<br>mental<br>or water.                                 |

## **SECTION 8: Exposure controls/personal protection**

#### **Control parameters**

#### **Occupational exposure limits**

| Ingredient name   | Exposure limits                                    |
|---|--|
| <b>P</b> oly[oxy(methyl-1,2-ethanediyl)], α-hydro-ω-hydroxy-, polymer with 1,3-diisocyanatomethylbenzene  | None.  |
| xylene  | NOM-010-STPS-2014 (Mexico, 4/2016).                |
|   | [Xileno, mezcla]                                   |
|   | STEL: 150 ppm 15 minutes.<br>TWA: 100 ppm 8 hours. |
| Poly[oxy(methyl-1,2-ethanediyl)], .alphahydroomegahydroxy-,<br>ether with 2,2-bis(hydroxymethyl)-1,3-propanediol (4:1), polymer with<br>1,3-diisocyanatomethylbenzene | None.  |
| Isocyanic acid, polymethylenepolyphenylene ester, polymer with  | None.  |
|   | Mexico Page: 6/16                                  |

## **SECTION 8: Exposure controls/personal protection**

| SECTION 8: Exposure co   | ontrois/personal              | protection   |
|--|-------------------------------|--|
| 1,2-ethanediamine, 2-methyloxirane and                                 | 1,2-propanediol               |  |
| ethylbenzene   |                               | NOM-010-STPS-2014 (Mexico, 4/2016).  |
|  |                               | TWA: 20 ppm 8 hours.   |
| Solvent naphtha (petroleum), light arom                                | atic                          | None.  |
| 4,4'-methylenediphenyl diisocyanate                                    |                               | NOM-010-STPS-2014 (Mexico, 4/2016).  |
|  |                               | TWA: 0.005 ppm 8 hours.  |
| 1,2,4-trimethylbenzene   |                               | NOM-010-STPS-2014 (Mexico, 4/2016).  |
|  |                               | [Trimetil benceno, mezcla de Isómeros]   |
| leasyania asid nalymathylananalynhany                                  | long gatar                    | TWA: 25 ppm 8 hours.   |
| Isocyanic acid, polymethylenepolypheny<br>4-isocyanatosulphonyltoluene | lene ester                    | None.<br>None.   |
| dibutylbis(dodecylthio)stannane  |                               | NOM-010-STPS-2014 (Mexico, 4/2016).  |
| dibatyibis(dodecynnio)stannane   |                               | [Estaño, compuestos orgánicos]   |
|  |                               | Absorbed through skin.   |
|  |                               | TWA: 0.1 mg/m <sup>3</sup> , (as Sn) 8 hours.  |
|  |                               | STEL: $0.2 \text{ mg/m}^3$ , (as Sn) 15 minutes.   |
| methylenediphenyl diisocyanate   |                               | None.  |
| toluene  |                               | NOM-010-STPS-2014 (Mexico, 4/2016).  |
|  |                               | TWA: 20 ppm 8 hours.   |
|  | Key to abbreviations          |  |
| C = Ceiling Limit  | -                             | EL = Short term exposure limit   |
| IPEL = Internal Permissible Exposure Limit                             |                               | V = Threshold Limit Value  |
|  |                               | /A = Time Weighted Average   |
| Consult local authorities for acceptat                                 | ble exposure limits.          |  |
|  |                               | ropriate monitoring standards. Reference to  |
|  |                               | nethods for the determination of hazardous   |
| substa   | nces will also be required.   |  |
|  |                               |  |
|  |                               | . Use process enclosures, local exhaust  |
|  |                               | ntrols to keep worker exposure to airborne   |
|  | ,                             | ended or statutory limits. The engineering controls  |
|  | Use explosion-proof ventila   | ust concentrations below any lower explosive   |
|  |                               |  |
|  |                               | process equipment should be checked to ensure  |
|  |                               | of environmental protection legislation. In some   |
|  |                               | ngineering modifications to the process<br>duce emissions to acceptable levels.                |
| equipr   | nent will be necessary to rec | מעכב בווושטוטוש נט מנטבףומטוט וטעפוש.  |
| Individual protoction recommend  |                               |  |
| Individual protection measures   | handa forcormo and force t    | poroughly offer handling chamical products before  |
|  |                               | noroughly after handling chemical products, before atory and at the end of the working period. |
|  |                               | used to remove potentially contaminated clothing.  |

 eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
 Eye/face protection

 Chemical splash goggles and face shield.

 Skin protection

 Hand protection
 Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer,

check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately

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## **SECTION 8: Exposure controls/personal protection**

|                        | estimated.  |
|------------------------|---|
| Gloves                 | : nitrile neoprene  |
| Body protection        | : Personal protective equipment for the body should be selected based on the task<br>being performed and the risks involved and should be approved by a specialist<br>before handling this product. When there is a risk of ignition from static electricity,<br>wear anti-static protective clothing. For the greatest protection from static<br>discharges, clothing should include anti-static overalls, boots and gloves.   |
| Other skin protection  | <ul> <li>Appropriate footwear and any additional skin protection measures should be<br/>selected based on the task being performed and the risks involved and should be<br/>approved by a specialist before handling this product.</li> </ul>   |
| Respiratory protection | : Use an air-fed respirator unless a site-specific assessment determines that an air-<br>fed respirator is not necessary, in which case the results of the risk assessment<br>should be utilized to determine whether respiratory protection is necessary and what<br>type of protection is appropriate. Respirator selection must be based on known or<br>anticipated exposure levels, the hazards of the product and the safe working limits<br>of the selected respirator. |
| Restrictions on use    | <ul> <li>Persons with a history of asthma, allergies or chronic or recurrent respiratory<br/>disease should not be employed in any process in which this product is used.</li> </ul>  |

## **SECTION 9: Physical and chemical properties**

| Appearance                                   |   |                           |                     |        |            |
|--|---|---------------------------|---------------------|--------|------------|
| Physical state                               | : | Liquid.                   |                     |        |            |
| Color  | : | Colorless.                |                     |        |            |
| Odor   | : | Characteristic.           |                     |        |            |
| Odor threshold                               | : | Not available.            |                     |        |            |
| Molecular weight                             | 1 | Not applicable.           |                     |        |            |
| рН   | 4 | Not applicable.           |                     |        |            |
| Melting point                                | 1 | Not available.            |                     |        |            |
| Boiling point                                | 1 | >37.78°C (>100°F)         |                     |        |            |
| Flash point                                  | : | Closed cup: 32°C (89.6°F) |                     |        |            |
| Auto-ignition temperature                    | : | Not available.            |                     |        |            |
| Decomposition temperature                    | : |                           |                     |        |            |
| Flammability                                 | 4 | Not available.            |                     |        |            |
| Lower and upper explosive (flammable) limits | 1 | Not available.            |                     |        |            |
| Evaporation rate                             | 1 | Not available.            |                     |        |            |
| Vapor pressure                               | 1 | Not available.            |                     |        |            |
| Vapor density                                | : | Not available.            |                     |        |            |
| Relative density                             | : | 1.03                      |                     |        |            |
| Density(Ibs / gal)                           | : | 8.6                       |                     |        |            |
|  |   | Media                     | Result              |        |            |
| Solubility(ies)                              | 1 | old water                 | Not soluble         |        |            |
| Solubility in water                          | : | Not available.            |                     |        |            |
| Partition coefficient: n-<br>octanol/water   | 1 | Not applicable.           |                     |        |            |
| Viscosity                                    | : | Kinematic (40°C (104°F)): | >21 mm²/s (>21 cSt) |        |            |
| Volatility                                   | 1 | 38% (v/v), 32.194% (w/w)  |                     |        |            |
| % Solid. (w/w)                               | 1 | 67.806                    |                     |        |            |
|  |   |                           |                     | Mexico | Page: 8/16 |

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## **SECTION 10: Stability and reactivity**

| Reactivity                         | : No specific test data related to reactivity available for this product or its ingredients.   |
|------------------------------------|--|
| Chemical stability                 | : The product is stable.   |
| Possibility of hazardous reactions | : Under normal conditions of storage and use, hazardous reactions will not occur.  |
| Conditions to avoid                | : In a fire, hazardous decomposition products may be produced.<br>Refer to protective measures listed in sections 7 and 8.                                   |
| Incompatible materials             | : Keep away from: oxidizing agents, strong alkalis, strong acids, amines, alcohols, water. Uncontrolled exothermic reactions occur with amines and alcohols. |
| Hazardous decomposition products   | : Depending on conditions, decomposition products may include the following material Cyanate and isocyanate. carbon oxides nitrogen oxides hydrogen cyanide  |

## **SECTION 11: Toxicological information**

#### Information on toxicological effects

#### Acute toxicity

| Product/ingredient name       | Result                | Species | Dose                    | Exposure |
|-------------------------------|-----------------------|---------|-------------------------|----------|
| Poly[oxy(methyl-              | LD50 Oral             | Rat     | 5000 mg/kg              | -        |
| 1,2-ethanediyl)], α-hydro-ω-  |                       |         | 0.0                     |          |
| hydroxy-, polymer with        |                       |         |                         |          |
| 1,3-diisocyanatomethylbenzene |                       |         |                         |          |
| xylene                        | LD50 Dermal           | Rabbit  | 1.7 g/kg                | -        |
|                               | LD50 Oral             | Rat     | 4.3 g/kg                | -        |
| ethylbenzene                  | LC50 Inhalation Vapor | Rat     | 17.8 mg/l               | 4 hours  |
|                               | LD50 Dermal           | Rabbit  | 17.8 g/kg               | -        |
|                               | LD50 Oral             | Rat     | 3.5 g/kg                | -        |
| Solvent naphtha (petroleum),  | LD50 Dermal           | Rabbit  | 3.48 g/kg               | -        |
| light aromatic                |                       |         |                         |          |
| -                             | LD50 Oral             | Rat     | 8400 mg/kg              | -        |
| 4,4'-methylenediphenyl        | LD50 Oral             | Rat     | 9200 mg/kg              | -        |
| diisocyanate                  |                       |         |                         |          |
| 1,2,4-trimethylbenzene        | LC50 Inhalation Vapor | Rat     | 18000 mg/m <sup>3</sup> | 4 hours  |
|                               | LD50 Oral             | Rat     | 5 g/kg                  | -        |
| Isocyanic acid,               | LD50 Dermal           | Rabbit  | >9400 mg/kg             | -        |
| polymethylenepolyphenylene    |                       |         |                         |          |
| ester                         |                       |         |                         |          |
|                               | LD50 Oral             | Rat     | 49 g/kg                 | -        |
| 4-isocyanatosulphonyltoluene  | LD50 Oral             | Rat     | 2234 mg/kg              | -        |
| dibutylbis(dodecylthio)       | LD50 Dermal           | Rabbit  | >1000 mg/kg             | -        |
| stannane                      |                       |         |                         |          |
| methylenediphenyl             | LD50 Dermal           | Rabbit  | >9400 mg/kg             | -        |
| diisocyanate                  |                       |         |                         |          |
| -                             | LD50 Oral             | Rat     | >10000 mg/kg            | -        |
| toluene                       | LC50 Inhalation Vapor | Rat     | 49 g/m <sup>3</sup>     | 4 hours  |
|                               | LD50 Dermal           | Rabbit  | 8.39 g/kg               | -        |
|                               | LD50 Oral             | Rat     | 5580 mg/kg              | -        |

#### Irritation/Corrosion

### Product name K&L KOLORANE PENETRATING SEALER

## **SECTION 11: Toxicological information**

| Product/ingredient name   | Result  |  | :  | Species             | Scor       | e                          | Exposure                  | Observation   |
|---|---|--|--|---------------------|------------|----------------------------|---------------------------|---------------|
| xylene  | Skin - Mo   | derate ir  | ritant                                     | Rabbit              | -          |                            | 24 hours 500<br>ng        | -             |
| 4,4'-methylenediphenyl<br>diisocyanate  | Skin - Irrit  | ant  | l  | Rabbit              | -          | -                          |                           | -             |
| <u>Conclusion/Summary</u><br>Skin   | : There a   | re no da   | ta available                               | e on the mix        | ture itse  | lf.                        |                           |               |
| Eyes  | : There a   | re no da   | ta available                               | e on the mi         | ture itse  | lf.                        |                           |               |
| Respiratory   | : There a   | re no da   | ta available                               | e on the mix        | ture itse  | lf.                        |                           |               |
| Sensitization   |   |  |  |                     |            |                            |                           |               |
| Product/ingredient name   | Route of exposure   |  | Species                                    |                     |            | Result                     |                           |               |
| <b>4</b> ,4'-methylenediphenyl<br>diisocyanate  | Respirator  | у  | Guinea piç                                 | ]                   |            | Sensiti                    | zing                      |               |
| methylenediphenyl<br>diisocyanate   | skin<br>Respirator  |  | Mouse<br>Guinea piç                        | 1                   |            | Sensitizing<br>Sensitizing |                           |               |
|   | skin  |  | Guinea pig                                 | J                   |            | Sensiti                    | zing                      |               |
| Conclusion/Summary  | 1   |  |  |                     |            | 1                          |                           |               |
| Skin  | : There a   | re no da   | ta available                               | e on the mix        | ture itse  | lf.                        |                           |               |
| Respiratory   |   |  |  | e on the mix        |            |                            |                           |               |
| <u>Autagenicity</u>   | . more a  |  |  |                     |            |                            |                           |               |
|   | . <b>There a</b>  |  | 4labl                                      | 41                  |            | LC.                        |                           |               |
| Conclusion/Summary<br>Carcinogenicity   | : There a   | re no da   | la avaliable                               | e on the mix        | lure ilse  | 11.                        |                           |               |
| Product/ingredient name   | Result  |  |  | <b>Species</b>      |            | Dose                       | E                         | kposure       |
|   |   |  |  |                     |            | DUSE                       |                           | (poodio       |
|   | Positive -  | Inhalatio  | n - TC                                     | Rat                 |            | 0 to 6 r                   | ng/m³ 2                   |               |
| diisocyanate  |   |  |  | Rat<br>e on the mix | ture itse  | 0 to 6 r                   | ng/m³ 2                   | years; 5 days |
| diisocyanate  |   |  |  |                     | ture itse  | 0 to 6 r                   | ng/m³ 2                   | years; 5 days |
| diisocyanate<br>Conclusion/Summary  |   |  |  |                     | ture itse  | 0 to 6 r                   | ng/m³ 2                   | years; 5 days |
| diisocyanate<br>Conclusion/Summary<br><u>Classification</u><br>Product/ingredient name  | : There a   | re no da<br>IARC<br>3  | ta available                               |                     | ture itse  | 0 to 6 r                   | ng/m³ 2                   | years; 5 days |
| diisocyanate<br>Conclusion/Summary<br><u>Classification</u><br>Product/ingredient name<br>ylene<br>ethylbenzene   | : There a   | re no da<br>IARC<br>3<br>2B  | ta available                               |                     | ture itse  | 0 to 6 r                   | ng/m³ 2                   | years; 5 days |
| diisocyanate<br>Conclusion/Summary<br><u>Classification</u><br>Product/ingredient name<br>vylene<br>ethylbenzene<br>4,4'-methylenediphenyl<br>diisocyanate  | : There a   | re no da<br>IARC<br>3<br>2B<br>3   | ta available                               |                     | ture itse  | 0 to 6 r                   | ng/m³ 2                   | years; 5 days |
| diisocyanate<br>Conclusion/Summary<br><u>Classification</u><br>Product/ingredient name<br>vylene<br>ethylbenzene<br>4,4'-methylenediphenyl<br>diisocyanate<br>Isocyanic acid,<br>polymethylenepolyphenylene   | : There a<br>OSHA<br>-<br>-<br>-<br>-   | re no da<br>IARC<br>3<br>2B  | ta available                               |                     | ture itse  | 0 to 6 r                   | ng/m³ 2                   | years; 5 days |
| diisocyanate<br>Conclusion/Summary<br><u>Classification</u><br>Product/ingredient name<br>vylene<br>ethylbenzene<br>4,4'-methylenediphenyl<br>diisocyanate<br>Isocyanic acid,   | : There a<br>OSHA<br>-<br>-<br>-<br>-   | re no da<br>IARC<br>3<br>2B<br>3   | ta available                               |                     | ture itse  | 0 to 6 r                   | ng/m³ 2                   | years; 5 days |
| diisocyanate<br>Conclusion/Summary<br><u>Classification</u><br>Product/ingredient name<br>kylene<br>ethylbenzene<br>4,4'-methylenediphenyl<br>diisocyanate<br>Isocyanic acid,<br>polymethylenepolyphenylene<br>ester<br>toluene   | : There a OSHA  | re no da<br>IARC<br>3<br>2B<br>3<br>3<br>3                               | ta available                               |                     | ture itse  | 0 to 6 r                   | ng/m³ 2                   | years; 5 days |
| diisocyanate<br>Conclusion/Summary<br>Classification<br>Product/ingredient name<br>kylene<br>ethylbenzene<br>4,4'-methylenediphenyl<br>diisocyanate<br>Isocyanic acid,<br>polymethylenepolyphenylene<br>ester   | : There a<br>OSHA<br>-<br>-<br>-<br>-<br>n code:<br>3, 4<br>re a human ca                           | re no da<br>IARC<br>3<br>2B<br>3<br>3<br>3                               | ta available NTP                           | e on the mix        |            | 0 to 6 r                   | ng/m <sup>3</sup> 2<br>pe | years; 5 days |
| diisocyanate<br>Conclusion/Summary<br>Classification<br>Product/ingredient name<br>Kylene<br>ethylbenzene<br>4,4'-methylenediphenyl<br>diisocyanate<br>Isocyanic acid,<br>polymethylenepolyphenylene<br>ester<br>toluene<br>Carcinogen Classificatio<br>IARC: 1, 2A, 2B, 3<br>NTP: Known to to<br>OSHA: +<br>Not listed/not reg | : There a<br>OSHA<br>-<br>-<br>-<br>-<br>n code:<br>3, 4<br>re a human ca                           | re no da<br>IARC<br>3<br>2B<br>3<br>3<br>3                               | ta available NTP                           | e on the mix        |            | 0 to 6 r                   | ng/m <sup>3</sup> 2<br>pe | years; 5 days |
| diisocyanate<br>Conclusion/Summary<br>Classification<br>Product/ingredient name<br>Kylene<br>ethylbenzene<br>4,4'-methylenediphenyl<br>diisocyanate<br>Isocyanic acid,<br>polymethylenepolyphenylene<br>ester<br>toluene<br>Carcinogen Classificatio<br>IARC: 1, 2A, 2B, 3<br>NTP: Known to b<br>OSHA: +<br>Not listed/not reg  | : There a<br>OSHA<br>-<br>-<br>-<br>n code:<br>a, 4<br>be a human ca<br>ulated: -                   | re no da<br>IARC<br>3<br>2B<br>3<br>3<br>3<br>3                          | ta available NTP ; Reasonably              | e on the mix        | o be a hun | 0 to 6 r                   | ng/m <sup>3</sup> 2<br>pe | years; 5 days |
| diisocyanate<br>Conclusion/Summary<br>Classification<br>Product/ingredient name<br>Kylene<br>ethylbenzene<br>4,4'-methylenediphenyl<br>diisocyanate<br>Isocyanic acid,<br>polymethylenepolyphenylene<br>ester<br>toluene<br>Carcinogen Classificatio<br>IARC: 1, 2A, 2B, 3<br>NTP: Known to b<br>OSHA: +<br>Not listed/not reg  | : There a<br>OSHA<br>-<br>-<br>-<br>n code:<br>a, 4<br>be a human ca<br>ulated: -                   | re no da<br>IARC<br>3<br>2B<br>3<br>3<br>3<br>3                          | ta available NTP ; Reasonably              | e on the mix        | o be a hun | 0 to 6 r                   | ng/m <sup>3</sup> 2<br>pe | years; 5 days |
| Classification Product/ingredient name ethylbenzene 4,4'-methylenediphenyl diisocyanate Isocyanic acid, polymethylenepolyphenylene ester toluene Carcinogen Classificatio IARC: 1, 2A, 2B, 3 NTP: Known to b OSHA: + Not listed/not reg   | : There a<br>OSHA<br>-<br>-<br>-<br>-<br>n code:<br>s, 4<br>we a human ca<br>ulated: -<br>: There a | re no da<br>IARC<br>3<br>2B<br>3<br>3<br>3<br>3<br>arcinogen<br>re no da | ta available NTP ; Reasonably ta available | e on the mix        | o be a hun | 0 to 6 r<br>lf.            | ng/m <sup>3</sup> 2<br>pe | years; 5 days |

### **SECTION 11: Toxicological information**

Specific target organ toxicity (single exposure)

| Name   | Category   | Route of exposure | Target organs                |
|--|------------|-------------------|------------------------------|
| <b>P</b> oly[oxy(methyl-1,2-ethanediyl)], α-hydro-ω-hydroxy-, polymer with 1,3-diisocyanatomethylbenzene   | Category 3 | -                 | Respiratory tract irritation |
| xylene   | Category 3 | -                 | Respiratory tract irritation |
| Poly[oxy(methyl-1,2-ethanediyl)], .alphahydroomega<br>hydroxy-, ether with 2,2-bis(hydroxymethyl)<br>-1,3-propanediol (4:1), polymer with<br>1,3-diisocyanatomethylbenzene | Category 3 | -                 | Respiratory tract irritation |
| Solvent naphtha (petroleum), light aromatic  | Category 3 | -                 | Narcotic effects             |
| 4,4'-methylenediphenyl diisocyanate  | Category 3 | -                 | Respiratory tract irritation |
| 1,2,4-trimethylbenzene   | Category 3 | -                 | Respiratory tract irritation |
| Isocyanic acid, polymethylenepolyphenylene ester   | Category 3 | -                 | Respiratory tract irritation |
| 4-isocyanatosulphonyltoluene   | Category 3 | -                 | Respiratory tract irritation |
| methylenediphenyl diisocyanate   | Category 3 | -                 | Respiratory tract irritation |
| toluene  | Category 3 | -                 | Narcotic effects             |

#### Specific target organ toxicity (repeated exposure)

| Name  | Category   | Route of exposure                       | Target organs  |
|---|--|---|--|
| Ethylbenzene<br>4,4'-methylenediphenyl diisocyanate<br>Isocyanic acid, polymethylenepolyphenylene ester<br>dibutylbis(dodecylthio)stannane<br>methylenediphenyl diisocyanate<br>toluene | Category 2<br>Category 2<br>Category 2<br>Category 1<br>Category 2<br>Category 2 | -<br>inhalation<br>inhalation<br>-<br>- | hearing organs<br>respiratory system<br>-<br>immune system<br>-<br>- |

**Target organs** 

: Contains material which causes damage to the following organs: brain, central

nervous system (CNS).

Contains material which may cause damage to the following organs: blood, kidneys, lungs, the nervous system, liver, upper respiratory tract, skin, ears, eye, lens or cornea.

#### **Aspiration hazard**

| Name | Result   |
|------|--|
|      | ASPIRATION HAZARD - Category 1<br>ASPIRATION HAZARD - Category 1<br>ASPIRATION HAZARD - Category 1<br>ASPIRATION HAZARD - Category 1 |

#### Information on the likely routes of exposure

#### Potential acute health effects

| Eye contact  | : Causes serious eye irritation.   |
|--------------|--|
| Inhalation   | <ul> <li>Harmful if inhaled. May cause respiratory irritation. May cause allergy or asthma<br/>symptoms or breathing difficulties if inhaled.</li> </ul> |
| Skin contact | : Causes severe burns. Harmful in contact with skin. Defatting to the skin. May cause an allergic skin reaction.   |

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#### Product name K&L KOLORANE PENETRATING SEALER

## **SECTION 11: Toxicological information**

| Ingestion                      | : Harmful if swallowed.   |
|--------------------------------|---|
| Over-exposure signs/sympt      | <u>oms</u>  |
| Eye contact                    | : Adverse symptoms may include the following:<br>pain<br>watering<br>redness  |
| Inhalation                     | : Adverse symptoms may include the following:<br>respiratory tract irritation<br>coughing<br>wheezing and breathing difficulties<br>asthma<br>reduced fetal weight<br>increase in fetal deaths<br>skeletal malformations  |
| Skin contact                   | : Adverse symptoms may include the following:<br>pain or irritation<br>redness<br>dryness<br>cracking<br>blistering may occur<br>reduced fetal weight<br>increase in fetal deaths<br>skeletal malformations   |
| Ingestion                      | : Adverse symptoms may include the following:<br>stomach pains<br>reduced fetal weight<br>increase in fetal deaths<br>skeletal malformations  |
| Conclusion/Summary             | <ul> <li>cts and also chronic effects from short and long term exposure</li> <li>There are no data available on the mixture itself. Skin contact to isocyanate monomer may lead to allergic lung reaction. Based on the properties of the isocyanate components and considering toxicological data on similar mixtures, this mixture may cause acute irritation and/or sensitization of the respiratory system, leading to an asthmatic condition, wheezing and tightness of the chest. Repeated exposure may lead to permanent respiratory disability. Exposure to component solvent vapor concentrations in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness. Solvents may cause some of the above effects by absorption through the skin. There is some evidence that repeated exposure to organic solvent vapors in combination with constant loud noise can cause greater hearing loss than expected from exposure to noise alone. If splashed in the eyes, the liquid may cause irritation and reversible damage. Ingestion may cause nausea, diarrhea and vomiting. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.</li> </ul> |
| Short term exposure            | . There are no data quailable on the minture iterit   |
| Potential immediate<br>effects | : There are no data available on the mixture itself.  |
| Potential delayed effects      | : There are no data available on the mixture itself.  |
| Long term exposure             |   |

## **SECTION 11: Toxicological information**

| Potential immediate<br>effects | :  | There are no data available on the mixture itself.   |
|--------------------------------|----|--|
| Potential delayed effects      | :  | There are no data available on the mixture itself.   |
| Potential chronic health effec | ts |  |
| General                        | :  | May cause damage to organs through prolonged or repeated exposure. Prolonged<br>or repeated contact can defat the skin and lead to irritation, cracking and/or<br>dermatitis. Once sensitized, a severe allergic reaction may occur when<br>subsequently exposed to very low levels. |
| Carcinogenicity                | :  | Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.   |
| Mutagenicity                   | :  | No known significant effects or critical hazards.  |
| Reproductive toxicity          | :  | May damage fertility or the unborn child.  |

#### Numerical measures of toxicity

Acute toxicity estimates

| Product/ingredient name  | Oral (mg/<br>kg) | Dermal<br>(mg/kg) | Inhalation<br>(gases)<br>(ppm) | Inhalation<br>(vapors)<br>(mg/l) | Inhalation<br>(dusts<br>and mists)<br>(mg/l) |
|--|------------------|-------------------|--------------------------------|----------------------------------|--|
| K&L KOLORANE PENETRATING SEALER  | 887.2            | 1461.7            | N/A                            | 12.1                             | 1.6  |
| Poly[oxy(methyl-1,2-ethanediyl)], α-hydro-ω-<br>hydroxy-, polymer with | 500              | 1100              | N/A                            | 11                               | 1.5  |
| 1,3-diisocyanatomethylbenzene  |                  |                   |                                |                                  |  |
| xylene   | 4300             | 1700              | N/A                            | 11                               | 1.5  |
| ethylbenzene   | 3500             | 17800             | N/A                            | 17.8                             | 1.5  |
| Solvent naphtha (petroleum), light aromatic                            | 8400             | 3480              | N/A                            | N/A                              | N/A  |
| 4,4'-methylenediphenyl diisocyanate                                    | 9200             | N/A               | N/A                            | 11                               | N/A  |
| 1,2,4-trimethylbenzene   | 5000             | N/A               | N/A                            | 18                               | 1.5  |
| Isocyanic acid, polymethylenepolyphenylene ester                       | 49000            | N/A               | N/A                            | N/A                              | 1.5  |
| 4-isocyanatosulphonyltoluene   | 2234             | N/A               | N/A                            | N/A                              | N/A  |
| dibutylbis(dodecylthio)stannane  | 500              | 1100              | N/A                            | N/A                              | N/A  |
| methylenediphenyl diisocyanate   | N/A              | N/A               | N/A                            | 11                               | 1.5  |
| toluene  | 5580             | 8390              | N/A                            | 49                               | N/A  |

## **SECTION 12: Ecological information**

#### **Toxicity**

| Product/ingredient name                     | Result   | Species                                 | Exposure      |
|---|--|---|---------------|
| ethylbenzene                                | Acute EC50 1.8 mg/l Fresh water<br>Chronic NOEC 1 mg/l Fresh water | Daphnia<br>Daphnia - Ceriodaphnia dubia | 48 hours<br>- |
| Solvent naphtha (petroleum), light aromatic | Acute LC50 8.2 mg/l  | Fish                                    | 96 hours      |
| dibutylbis(dodecylthio)<br>stannane         | Acute EC50 0.11 mg/l   | Daphnia                                 | 48 hours      |
| methylenediphenyl<br>diisocyanate           | Acute LC50 >100 mg/l   | Fish                                    | 96 hours      |

#### Persistence and degradability

| Product/ingredient name | Test | Result                   | Dose | Inoculum       |
|-------------------------|------|--------------------------|------|----------------|
| ethylbenzene            | -    | 79 % - Readily - 10 days | -    | -              |
|                         |      |                          | Mexi | co Page: 13/16 |

### **SECTION 12: Ecological information**

| Product/ingredient name | Aquatic half-life | Photolysis | Biodegradability   |
|-------------------------|-------------------|------------|--------------------|
| xylene<br>ethylbenzene  | -                 | -          | Readily<br>Readily |
| toluene                 | -                 | -          | Readily            |

#### **Bioaccumulative potential**

| Product/ingredient name                             | LogPow | BCF         | Potential |
|---|--------|-------------|-----------|
| xylene  | 3.12   | 7.4 to 18.5 | Low       |
| ethylbenzene  | 3.6    | 79.43       | Low       |
| 4,4 <sup>'</sup> -methylenediphenyl<br>diisocyanate | 4.51   | -           | High      |
| 1,2,4-trimethylbenzene                              | 3.63   | 120.23      | Low       |
| dibutylbis(dodecylthio)<br>stannane                 | 3.11   | -           | Low       |
| methylenediphenyl<br>diisocyanate                   | 4.51   | -           | High      |
| toluene   | 2.73   | 8.32        | Low       |

#### Mobility in soil

Soil/water partition coefficient (Koc)

: Not available.

Other adverse effects

: No known significant effects or critical hazards.

### **SECTION 13: Disposal considerations**

```
Disposal methods
                                : The generation of waste should be avoided or minimized wherever possible.
                                  Disposal of this product, solutions and any by-products should at all times comply
                                  with the requirements of environmental protection and waste disposal legislation
                                  and any regional local authority requirements. Dispose of surplus and non-
                                  recyclable products via a licensed waste disposal contractor. Waste should not be
                                  disposed of untreated to the sewer unless fully compliant with the requirements of
                                  all authorities with jurisdiction. Waste packaging should be recycled. Incineration or
                                  landfill should only be considered when recycling is not feasible. This material and
                                  its container must be disposed of in a safe way. Care should be taken when
                                  handling emptied containers that have not been cleaned or rinsed out. Empty
                                  containers or liners may retain some product residues. Vapor from product residues
                                  may create a highly flammable or explosive atmosphere inside the container. Do
                                  not cut, weld or grind used containers unless they have been cleaned thoroughly
                                  internally. Avoid dispersal of spilled material and runoff and contact with soil,
                                  waterways, drains and sewers.
```

Disposal should be in accordance with applicable regional, national and local laws and regulations. Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees. Section 6. Accidental release measures

### **SECTION 14: Transport information**

|                                   | Mexico Classification      | IMDG                        | ΙΑΤΑ                        |
|-----------------------------------|----------------------------|-----------------------------|-----------------------------|
| UN number                         | <b>UN3469</b>              | VN3469                      | <b>UN3469</b>               |
| UN proper<br>shipping name        | AINT, FLAMMABLE, CORROSIVE | PAINT, FLAMMABLE, CORROSIVE | PAINT, FLAMMABLE, CORROSIVE |
| Transport<br>hazard class(es)     | 3 (8)                      | 3 (8)                       | 3 (8)                       |
| Packing group                     | III                        | III                         | III                         |
| Environmental<br>hazards          | No.                        | No.                         | No.                         |
| Marine<br>pollutant<br>substances | Not applicable.            | Not applicable.             | Not applicable.             |
| Product RQ (lbs)                  | Not applicable.            | Not applicable.             | Not applicable.             |
| RQ substances                     | Not applicable.            | Not applicable.             | Not applicable.             |

#### **Additional information**

| Mexico | : None identified. |
|--------|--------------------|
| IMDG   | : None identified. |
| ΙΑΤΑ   | : None identified. |

**Special precautions for user : Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according : Not applicable. to IMO instruments

## **SECTION 15: Regulatory information**

| Mexico                        |            |             |             |            |     |                 |  |
|-------------------------------|------------|-------------|-------------|------------|-----|-----------------|--|
| Classification                |            |             |             |            |     |                 |  |
| Flammability                  | :          | 3           | Health      | :          | 3   | Reactivity : 1  |  |
| International regu            | lat        | <u>ions</u> |             |            |     |                 |  |
| Montreal Protoc               | <u>ol</u>  |             |             |            |     |                 |  |
| Not listed.                   |            |             |             |            |     |                 |  |
| Stockholm Conv<br>Not listed. | <u>ven</u> | tion o      | on Persist  | <u>ent</u> | Org | anic Pollutants |  |
| Rotterdam Conv                | en         | tion o      | on Prior In | for        | med | Consent (PIC)   |  |
| Not listed.                   |            |             |             |            |     |                 |  |

### **SECTION 16: Other information**

Hazardous Material Information System (U.S.A.)

Health : 3 \* Flammability : 3 Physical hazards : 1 (\*) - Chronic

#### effects

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

| Date of previous issue             | : 9/23/2019  |
|------------------------------------|--|
| Organization that prepared the SDS | : EHS  |
| Key to abbreviations               | : ATE = Acute Toxicity Estimate<br>BCF = Bioconcentration Factor<br>GHS = Globally Harmonized System of Classification and Labelling of Chemicals<br>IATA = International Air Transport Association<br>IBC = International Air Transport Association<br>IBC = International Maritime Dangerous Goods<br>LogPow = logarithm of the octanol/water partition coefficient<br>MARPOL = International Convention for the Prevention of Pollution From Ships,<br>1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)<br>N/A = Not available<br>SGG = Segregation Group<br>UN = United Nations |

#### Indicates information that has changed from previously issued version.

#### Notice to reader

The information, which is based on the current knowledge of the chemical substance or mixture and applies to appropriate safety precautions for the product, is deemed correct but is not exhaustive and will be used only as a guide.

#### **Disclaimer**

The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by PPG, and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.