# Franklin International

## **Safety Data Sheet**

### **Titebond Interior/Exterior Construction Adhesive**

### **Section 1. Identification**

GHS product identifier : Titebond Interior/Exterior Construction Adhesive

Physical state : Liquid.

Address : Franklin International 2020 Bruck Street

2020 Bruck Street Columbus OH 43207

Contact person : Franklin Technical Services

**Telephone** : (800) 877-4583 **In case of emergency** : Franklin Security (614) 445-1300

e-mail address of person responsible for this SDS

: SDS@FranklinInternational.com

Reference number : 3105
Product code : 3451

Date of revision : 10/17/2018

Safety Data Sheets are available online at

: www.FranklinInternational.com

 Chemtrec (24 Hour)
 : (800) 424 - 9300

 Chemtrec International
 : (703) 527 - 3887

 Chemical family
 : Adhesive.

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

Not applicable.

### Section 2. Hazards identification

**OSHA/HCS status** 

: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture

: FLAMMABLE LIQUIDS - Category 2 SKIN IRRITATION - Category 2

TOXIC TO REPRODUCTION (Unborn child) (inhalation) - Category 2

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract

irritation) - Category 3

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) -

Category 3

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (central nervous

system (CNS), kidneys, liver) (inhalation) - Category 1

GHS label elements

Hazard pictograms







Signal word : Danger

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### Section 2. Hazards identification

#### **Hazard statements**

: Highly flammable liquid and vapor.

Causes skin irritation.

Suspected of damaging the unborn child if inhaled.

May cause respiratory irritation.

May cause drowsiness or dizziness.

Causes damage to organs through prolonged or repeated exposure if inhaled. (central nervous system (CNS), kidneys, liver)

### **Precautionary statements**

#### **Prevention**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves. Wear eye or face protection. Wear protective clothing. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating, lighting and all material-handling equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Keep container tightly closed. Use only outdoors or in a well-ventilated area. Do not breathe vapor. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

#### Response

Get medical attention if you feel unwell. IF exposed or concerned: Get medical attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical attention.

### Storage

: Store locked up. Store in a well-ventilated place. Keep cool.

Disposal

: Dispose of contents and container in accordance with all local, regional, national and international regulations.

## Supplemental label elements

: Avoid contact with skin and clothing. Wash thoroughly after handling.

Hazards not otherwise classified

: Prolonged or repeated contact may dry skin and cause irritation.

### Section 3. Composition/information on ingredients

Substance/mixture : Mixture

| Ingredient name   | %         | CAS number |
|-------------------|-----------|------------|
| n-hexane          | ≥25 - ≤50 | 110-54-3   |
| Isopropyl alcohol | ≤3        | 67-63-0    |

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

: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

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### Section 4. First aid measures

#### Inhalation

: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

#### **Skin contact**

: Wash skin thoroughly with soap and water or use recognized skin cleanser. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

#### Ingestion

: Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

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

### Potential acute health effects

**Eye contact**: This product may irritate eyes upon contact.

Inhalation : Can cause central nervous system (CNS) depression. May cause drowsiness or

dizziness. May cause respiratory irritation.

**Skin contact**: Causes skin irritation. Defatting to the skin.

Ingestion : Can cause central nervous system (CNS) depression.

#### Over-exposure signs/symptoms

**Eye contact**: Adverse symptoms may include the following:

pain or irritation

watering redness

**Inhalation** : Adverse symptoms may include the following:

respiratory tract irritation

coughing

nausea or vomiting

headache

drowsiness/fatigue dizziness/vertigo unconsciousness

**Skin contact**: Adverse symptoms may include the following:

irritation redness dryness cracking

Ingestion : No specific data.

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

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large

quantities have been ingested or inhaled.

**Specific treatments**: No specific treatment.

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### Section 4. First aid measures

#### **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.

See toxicological information (Section 11)

### Section 5. Fire-fighting 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

: Highly flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.

Hazardous thermal decomposition products

: Decomposition products may include the following materials: carbon dioxide carbon monoxide

**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 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, protective equipment and emergency procedures

For non-emergency personnel

: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders:

If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**Environmental precautions** 

: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

#### Methods and materials for containment 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. 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.

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### Section 7. Handling and storage

### Precautions for safe handling

#### **Protective measures**

Put on appropriate personal protective equipment (see Section 8). Avoid exposure obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

## Advice on general occupational hygiene

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

# Conditions for safe storage, including any incompatibilities

Do not store above the following temperature: 43.333°C (110°F). Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

### Section 8. Exposure controls/personal protection

### **Control parameters**

### Occupational exposure limits

| Ingredient name   | Exposure limits   |
|-------------------|---|
| n-hexane          | OSHA PEL 1989 (United States, 3/1989).  TWA: 50 ppm 8 hours.  TWA: 180 mg/m³ 8 hours.  NIOSH REL (United States, 10/2016).  TWA: 50 ppm 10 hours.  TWA: 180 mg/m³ 10 hours.  ACGIH TLV (United States, 3/2017). Absorbed through skin.  TWA: 50 ppm 8 hours.  OSHA PEL (United States, 6/2016).  TWA: 500 ppm 8 hours.  |
| Isopropyl alcohol | TWA: 1800 mg/m³ 8 hours.  ACGIH TLV (United States, 3/2017).  TWA: 200 ppm 8 hours.  STEL: 400 ppm 15 minutes.  OSHA PEL 1989 (United States, 3/1989).  TWA: 400 ppm 8 hours.  TWA: 980 mg/m³ 8 hours.  STEL: 500 ppm 15 minutes.  STEL: 1225 mg/m³ 15 minutes.  NIOSH REL (United States, 10/2016).  TWA: 400 ppm 10 hours.  TWA: 980 mg/m³ 10 hours.  STEL: 500 ppm 15 minutes. |

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### Section 8. Exposure controls/personal protection

STEL: 1225 mg/m³ 15 minutes.

OSHA PEL (United States, 6/2016).

TWA: 400 ppm 8 hours. TWA: 980 mg/m³ 8 hours.

## Appropriate engineering controls

Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

## **Environmental exposure** controls

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

#### Individual protection measures

### **Hygiene measures**

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

#### **Eye/face protection**

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

#### **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 estimated.

#### **Body protection**

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear antistatic protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

### Other skin protection

: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

### **Respiratory protection**

: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

### Section 9. Physical and chemical properties

### **Appearance**

Physical state : Liquid. [Paste.]

Color : Beige.

Odor : Alcohol-like.
Odor threshold : Not available.
pH : Not applicable.

Melting point : Not available.

Boiling point : 61.667°C (143°F)

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### Section 9. Physical and chemical properties

Flash point : Closed cup: <-18°C (<-0.4°F) [Setaflash.]

Flammability (solid, gas) : Highly flammable in the presence of the following materials or conditions: open flames,

sparks and static discharge.

Lower and upper explosive

(flammable) limits

: Lower: 1.2% Upper: 7.5%

VOC (less water, less exempt solvents)

: 318 g/l

**Volatility** : 25.9% (w/w)

**Relative density** : 1.19

**Solubility** : Insoluble in the following materials: cold water and hot water.

**Auto-ignition temperature** : 252°C (485.6°F)

### 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

: Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld,

braze, solder, drill, grind or expose containers to heat or sources of ignition.

**Incompatible materials** 

: Reactive or incompatible with the following materials:

oxidizing materials

Hazardous decomposition

products

Under normal conditions of storage and use, hazardous decomposition products should

not be produced.

### Section 11. Toxicological information

#### Information on toxicological effects

#### **Acute toxicity**

| Product/ingredient name | Result               | Species | Dose        | Exposure |
|-------------------------|----------------------|---------|-------------|----------|
| n-hexane                | LC50 Inhalation Gas. |         |             | 4 hours  |
|                         | LD50 Dermal          | Rabbit  | >3295 mg/kg | -        |
|                         | LD50 Oral            | Rat     | 15840 mg/kg | -        |
| Isopropyl alcohol       | LD50 Dermal          | Rabbit  | 12800 mg/kg | -        |
|                         | LD50 Oral            | Rat     | 5000 mg/kg  | -        |

### Irritation/Corrosion

| Product/ingredient name | Result                   | Species | Score | Exposure                | Observation |
|-------------------------|--------------------------|---------|-------|-------------------------|-------------|
| n-hexane                | Eyes - Mild irritant     | Rabbit  | -     | 10 milligrams           | -           |
| Isopropyl alcohol       | Eyes - Moderate irritant | Rabbit  | -     | 24 hours 100 milligrams | -           |
|                         | Eyes - Moderate irritant | Rabbit  | -     | 10 milligrams           | -           |
|                         | Eyes - Severe irritant   | Rabbit  | -     | 100<br>milligrams       | -           |
|                         | Skin - Mild irritant     | Rabbit  | -     | 500<br>milligrams       | -           |

### **Conclusion/Summary**

Skin : Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis.

**Eyes** : Severely irritating to eyes.

**Respiratory** : High vapor concentrations can cause headaches, dizziness, drowsiness and nausea and may lead to unconsciousness.

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### **Section 11. Toxicological information**

### **Sensitization**

Not available.

### **Mutagenicity**

Not available.

### **Carcinogenicity**

Not available.

### **Classification**

| Product/ingredient name | OSHA | IARC | NTP |
|-------------------------|------|------|-----|
| Isopropyl alcohol       | -    | 3    | -   |

### **Reproductive toxicity**

Not available.

#### **Teratogenicity**

Not available.

### Specific target organ toxicity (single exposure)

| Name   | Category   | Route of exposure | Target organs                                     |
|--|------------|-------------------|---|
| Titebond Interior/Exterior Construction Adhesive | Category 3 | Not applicable.   | Respiratory tract irritation and Narcotic effects |
| n-hexane   | Category 3 | Not applicable.   | Respiratory tract irritation and Narcotic effects |
| Isopropyl alcohol                                | Category 3 | Not applicable.   | Respiratory tract irritation and Narcotic effects |

### Specific target organ toxicity (repeated exposure)

| Name   | Category   | Route of exposure | Target organs   |
|--|------------|-------------------|---|
| Titebond Interior/Exterior Construction Adhesive | Category 1 | Inhalation        | central nervous<br>system (CNS),<br>kidneys and liver |
| n-hexane   | Category 1 | Inhalation        | peripheral nervous<br>system                          |

### **Aspiration hazard**

| Name     | Result                         |
|----------|--------------------------------|
| n-hexane | ASPIRATION HAZARD - Category 1 |

Information on the likely routes of exposure

: Routes of entry anticipated: Oral, Dermal, Inhalation.

### Potential acute health effects

**Eye contact** 

: This product may irritate eyes upon contact.

Inhalation

: Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. May cause respiratory irritation.

**Skin contact** 

: Causes skin irritation. Defatting to the skin.

Ingestion

: Can cause central nervous system (CNS) depression.

Symptoms related to the physical, chemical and toxicological characteristics

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### **Section 11. Toxicological information**

**Eye contact**: Adverse symptoms may include the following:

pain or irritation

watering redness

**Inhalation** : Adverse symptoms may include the following:

respiratory tract irritation

coughing

nausea or vomiting

headache

drowsiness/fatigue dizziness/vertigo unconsciousness

**Skin contact**: Adverse symptoms may include the following:

irritation redness dryness cracking

Ingestion : No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

**Short term exposure** 

**Potential immediate** 

: Not available.

effects

Potential delayed effects : Not available.

Long term exposure

Potential immediate

: Not available.

effects

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

General : Causes damage to organs through prolonged or repeated exposure if inhaled.

Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or

dermatitis.

Carcinogenicity
 Mutagenicity
 No known significant effects or critical hazards.
 Teratogenicity
 Suspected of damaging the unborn child if inhaled.
 Developmental effects
 No known significant effects or critical hazards.
 Fertility effects
 No known significant effects or critical hazards.

**Numerical measures of toxicity** 

**Acute toxicity estimates** 

Not available.

### **Section 12. Ecological information**

**Toxicity** 

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### **Section 12. Ecological information**

| Product/ingredient name | Result                               | Species                       | Exposure |
|-------------------------|--------------------------------------|-------------------------------|----------|
| n-hexane                | Acute EC50 0.89 mg/l                 | Algae                         | 96 hours |
|                         | Acute EC50 3.9 mg/l                  | Crustaceans                   | 48 hours |
|                         | Acute LC50 2500 µg/l Fresh water     | Fish - Pimephales promelas    | 96 hours |
|                         | Chronic NOEC 4.9 mg/l                | Crustaceans                   | 21 days  |
|                         | Chronic NOEC 2.8 mg/l                | Fish - rainbow trout          | 28 days  |
| Isopropyl alcohol       | Acute EC50 10100 mg/l Fresh water    | Daphnia - Daphnia magna       | 48 hours |
|                         | Acute LC50 1400000 µg/l Marine water | Crustaceans - Crangon crangon | 48 hours |
|                         | Acute LC50 4200 mg/l Fresh water     | Fish - Rasbora heteromorpha   | 96 hours |

### Persistence and degradability

| Product/ingredient name | Aquatic half-life | Photolysis | Biodegradability |
|-------------------------|-------------------|------------|------------------|
| n-hexane                | -                 | -          | Readily          |
| Isopropyl alcohol       | -                 | -          | Readily          |

### **Bioaccumulative potential**

| Product/ingredient name | LogPow | BCF     | Potential |
|-------------------------|--------|---------|-----------|
| n-hexane                | 4      | 501.187 | high      |
| Isopropyl alcohol       | 0.05   |         | 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.

## **Section 14. Transport information**

|                         | DOT<br>Classification                           | TDG<br>Classification                           | Mexico<br>Classification                        | ADR/RID   | IMDG  | IATA                                   |
|-------------------------|---|---|---|---|---|--|
| UN number               | UN1133  | UN1133  | UN1133  | UN1133  | UN1133  | UN1133                                 |
| UN proper shipping name | ADHESIVES,<br>containing<br>flammable<br>liquid | ADHESIVES,<br>containing<br>flammable<br>liquid | ADHESIVES,<br>containing<br>flammable<br>liquid | ADHESIVES,<br>containing<br>flammable<br>liquid | ADHESIVES,<br>containing<br>flammable<br>liquid | ADHESIVES, containing flammable liquid |
|                         |   |   |   |   |   |  |

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### **Section 14. Transport information**

| Transport             | 3         | 3          | 3          | 3          | 3          | 3   |
|-----------------------|-----------|------------|------------|------------|------------|-----|
| hazard class(es)      | <b>\_</b> | $\Diamond$ | $\Diamond$ | $\Diamond$ | $\Diamond$ |     |
| Packing group         | III       | III        | III        | III        | Ш          | Ш   |
| Environmental hazards | No.       | No.        | No.        | No.        | No.        | No. |

**Additional information** 

DOT Classification : Reportable quantity 19720.4 lbs / 8953.1 kg [1987.5 gal / 7523.6 L]. Package sizes

shipped in quantities less than the product reportable quantity are not subject to the RQ

(reportable quantity) transportation requirements.

**Remarks** Limited quantity

**TDG Classification** : Product classified as per the following sections of the Transportation of Dangerous

Goods Regulations: 2.18-2.19 (Class 3).

**Remarks** Limited quantity

Mexico Classification : Remarks Limited quantity

ADR/RID : <u>Tunnel code</u> (D/E)

**Remarks** Limited quantity

IMDG : Remarks Limited quantity

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.

### **Section 15. Regulatory information**

U.S. Federal regulations

**SARA 302/304** 

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

**SARA 311/312** 

Classification : FLAMMABLE LIQUIDS - Category 2

SKIN IRRITATION - Category 2

TOXIC TO REPRODUCTION (Unborn child) (inhalation) - Category 2

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract

irritation) - Category 3

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) -

Category 3

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (central nervous

system (CNS), kidneys, liver) (inhalation) - Category 1

HNOC - Defatting irritant

Composition/information on ingredients

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### **Section 15. Regulatory information**

| Name              | %         | Classification  |
|-------------------|-----------|---|
| n-hexane          | ≥25 - ≤50 | FLAMMABLE LIQUIDS - Category 2 SKIN IRRITATION - Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (peripheral nervous system) (inhalation) - Category 1 ASPIRATION HAZARD - Category 1 |
| Isopropyl alcohol | ≤3        | FLAMMABLE LIQUIDS - Category 2 EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3   |

### **SARA 313**

|                                 | Product name | CAS number | %               |
|---------------------------------|--------------|------------|-----------------|
| Form R - Reporting requirements |              |            | ≥25 - ≤50<br>≤3 |
| Supplier notification           |              |            | ≥25 - ≤50<br>≤3 |

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

### **State regulations**

Massachusetts : The following components are listed: HEXANE; N-HEXANE; ISOPROPYL ALCOHOL;

2-PROPANOL

New York : The following components are listed: Hexane

New Jersey : The following components are listed: n-HEXANE; HEXANE; ISOPROPYL ALCOHOL;

2-PROPANOL

Pennsylvania : The following components are listed: HEXANE; 2-PROPANOL

### California Prop. 65

▲ WARNING: This product can expose you to n-Hexane, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

| Ingredient name | No significant risk level | Maximum<br>acceptable dosage<br>level |
|-----------------|---------------------------|---------------------------------------|
| n-Hexane        | -                         | -                                     |

### **International regulations**

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol (Annexes A, B, C, E)

Not listed.

**Stockholm Convention on Persistent Organic Pollutants** 

Not listed.

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### Section 15. Regulatory information

**Rotterdam Convention on Prior Informed Consent (PIC)** 

Not listed.

**UNECE Aarhus Protocol on POPs and Heavy Metals** 

Not listed.

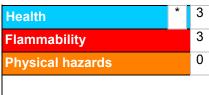
**Inventory list** 

China : All components are listed or exempted.United States TSCA 8(b) : All components are listed or exempted.

inventory

### **Section 16. Other information**

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



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. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. 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.

#### **National Fire Protection Association (U.S.A.)**



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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

### Procedure used to derive the classification

| Classification  | Justification   |  |
|---|---|--|
| SKIN IRRITATION - Category 2 TOXIC TO REPRODUCTION (Unborn child) (inhalation) - Category 2 | Expert judgment Expert judgment Expert judgment Expert judgment |  |
| SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3            | Expert judgment Expert judgment                                 |  |

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### Section 16. Other information

### **History**

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revision

Date of previous issue : 8/22/2018

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**Key to abbreviations** : ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973

as modified by the Protocol of 1978. ("Marpol" = marine pollution)

UN = United Nations

References : Not available.

✓ Indicates information that has changed from previously issued version.

#### **Notice to reader**

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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