

SDS Revision: Version 1.3  
SDS Revision Date: 12/23/2018

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

#### 1.1. Product identifier

**Product Identity** U 148  
**Alternate Names** UK 148

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

**Intended use** See Technical Data Sheet.  
**Application Method** See Technical Data Sheet.

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

**Company Name** STABOND CORPORATION  
1722 W. 139th Street, GARDENA CA. 90249  
**Customer Service: STABOND CORPORATION** (310) 380-6168 Mon. to Fri. 07:00 – 15:30 PT  
**Emergency Contact: CHEMTREC** (800) 424-9300 24-hour

### 2. Hazard identification of the product

#### 2.1. Classification of the substance or mixture

Flam. Liq. 2;H225 Highly Flammable liquid and vapor.  
Eye Irrit. 2;H319 Causes serious eye irritation.  
STOT SE 3;H336 May cause drowsiness or dizziness.

#### 2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.



**Danger**

H225 Highly flammable liquid and vapor.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness and dizziness.

#### [Prevention]:

P210 Keep away from heat / sparks / open flames / hot surfaces - No smoking.

P241 Use explosion-proof electrical / ventilating / light / equipment.

P261 Avoid breathing dust / fume / gas / mist / vapors / spray.

P264 Wash thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves / eye protection / face protection.

**[Response]:**

P303+361+353 IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.

P304+312 IF INHALED: Call a POISON CENTER or doctor / physician if you feel unwell.

P305+351+338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.

P337+313 If eye irritation persists: Get medical advice / attention.

P340 Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P370+378 In case of fire: Use extinguishing media listed in section 5 of SDS for extinction.

**[Storage]:**

P403+233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

**[Disposal]:**

P501 Dispose of contents / container in accordance with local / national regulations.

### 3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

| Ingredient/Chemical Designations   | Weight % | GHS Classification                                       | Notes  |
|--|----------|--|--------|
| Butanone<br>CAS Number: 0000078-93-3   | 50 - 75  | Flam. Liq. 2;H225<br>Eye Irrit. 2;H319<br>STOT SE 3;H336 | [1][2] |
| Hexanedioic acid, polymer with 1,4-butanediol, 1,6-hexanediol and 1,1'-methylenebis[4-isocyanatobenzene]<br>CAS Number: 0030662-91-0 | 10 - 25  |  | [1]    |
| n-Propyl Acetate<br>CAS Number: 0000109-60-4   | 10 - 25  | Flam. Liq. 2;H225<br>Eye Irrit. 2;H319<br>STOT SE 3;H336 | [1][2] |
| Ethanol, 2-butoxy-, phosphate (3:1)<br>CAS Number: 0000078-51-3  | 1.0 - 10 |  | [1]    |

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

\*The full texts of the phrases are shown in Section 16.

### 4. First aid measures

#### 4.1. Description of first aid measures

|                   |   |
|-------------------|---|
| <b>General</b>    | In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.   |
| <b>Inhalation</b> | Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth. |
| <b>Eyes</b>       | Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.  |
| <b>Skin</b>       | Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.   |
| <b>Ingestion</b>  | If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting. If vomiting should occur spontaneously keep victims head below knees to prevent aspiration into the lungs.                                   |

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

|                        |   |
|------------------------|---|
| <b>Overview</b>        | <p>This product contains chemicals known to the State of California to cause cancer and/or birth defects or other reproductive harm.</p> <p>Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.</p> <p>Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage. See section 2 for further details.</p> |
| <b>Inhalation</b>      | May cause drowsiness or dizziness.  |
| <b>Eyes</b>            | Causes serious eye irritation.  |
| <b>Chronic effects</b> | Moderate CNS depression may be shown by giddiness, headache, dizziness and nausea. If vomiting occurs, keep head below hips to prevent aspiration of liquid into lungs, which can cause severe lung damage. Aspiration pneumonitis may be evidenced by coughing and cyanosis.   |

## 5. Fire-fighting measures

### 5.1. Extinguishing media

Recommended extinguishing media; alcohol resistant foam, CO<sub>2</sub>, powder, water spray.  
Do not use; water jet.

### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: Burning may produce fumes of carbon dioxide, carbon monoxide, hydrogen cyanide, phenols and nitrous oxides.

Keep away from heat / sparks / open flames / hot surfaces - No smoking.

Use explosion-proof electrical / ventilating / light / equipment.

Avoid breathing dust / fume / gas / mist / vapors / spray.

### 5.3. Advice for fire-fighters

Volatile solvent constituent can readily form explosive or flammable mixtures in air. Vapors can flow along surfaces to distant ignition sources and flash back.

Cool closed containers exposed to fire by spraying them with water. Do not allow run off water and contaminants from fire-fighting to enter drains or water ways.

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## 6. Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Remove sources of ignition, do not turn lights or unprotected electrical equipment on or off. In case of a major spill or spillage in a confined space evacuate the area and check that solvent vapor levels are below the Lower Explosive Limit before re-entering.

### 6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

### 6.3. Methods and material for containment and cleaning up

Soak up wet material on a non-combustible absorbent and place in a closed metal container.

## 7. Handling and storage

### 7.1. Precautions for safe handling

Store in cool, well ventilated area away from any ignition sources and strong oxidizing agents. Keep containers tightly closed when not in use. Do not transfer to plastic containers.

Store in accordance with the National Fire Protection Association's publication NFPA 30, Flammable and Combustible Liquids Code. 29 CFR 1910.106 applies to the handling, storage, and use of flammable and combustible liquids.

See section 2 for further details. - [Prevention]:

### 7.2. Conditions for safe storage, including any incompatibilities

Ground and bond metal containers when dispensing. Not smoking in areas of use or storage. Use only non-sparking tools near wet adhesive or solvent vapors. Solvent vapor is much heavier than air and can collect in dangerous concentrations in floor drains or low areas.

Incompatible materials: Strong oxidizing agents can cause spontaneous combustion.

See section 2 for further details. - [Storage]:

### 7.3. Specific end use(s)

No data available.

## 8. Exposure controls and personal protection

### 8.1. Control parameters

#### Exposure

| CAS No.     | Ingredient                          | Source | Value                |
|-------------|-------------------------------------|--------|----------------------|
| 000078-51-3 | Ethanol, 2-butoxy-, phosphate (3:1) | OSHA   | No Established Limit |
|             |                                     | ACGIH  | No Established Limit |
|             |                                     | NIOSH  | No Established Limit |

|              |  |          |   |
|--------------|--|----------|---|
|              |  | Supplier | No Established Limit                            |
| 0000078-93-3 | Butanone   | OSHA     | TWA 200 ppm (590 mg/m3)                         |
|              |  | ACGIH    | TWA: 50 ppm STEL: 100 ppm                       |
|              |  | NIOSH    | TWA 200 ppm (590 mg/m3) ST 300 ppm (885 mg/m3)  |
|              |  | Supplier | No Established Limit                            |
| 0000109-60-4 | n-Propyl Acetate   | OSHA     | TWA 200 ppm (840 mg/m3)                         |
|              |  | ACGIH    | TWA: 200 ppm STEL: 250 ppm                      |
|              |  | NIOSH    | TWA 200 ppm (840 mg/m3) ST 250 ppm (1050 mg/m3) |
|              |  | Supplier | No Established Limit                            |
| 0030662-91-0 | Hexanedioic acid, polymer with 1,4-butanediol, 1,6-hexanediol and 1,1'-methylenebis[4-isocyanatobenzene] | OSHA     | No Established Limit                            |
|              |  | ACGIH    | No Established Limit                            |
|              |  | NIOSH    | No Established Limit                            |
|              |  | Supplier | No Established Limit                            |

### Carcinogen Data

| CAS No.      | Ingredient   | Source | Value  |
|--------------|--|--------|--|
| 0000078-51-3 | Ethanol, 2-butoxy-, phosphate (3:1)  | OSHA   | Select Carcinogen: No  |
|              |  | NTP    | Known: No; Suspected: No   |
|              |  | IARC   | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
| 0000078-93-3 | Butanone   | OSHA   | Select Carcinogen: No  |
|              |  | NTP    | Known: No; Suspected: No   |
|              |  | IARC   | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
| 0000109-60-4 | n-Propyl Acetate   | OSHA   | Select Carcinogen: No  |
|              |  | NTP    | Known: No; Suspected: No   |
|              |  | IARC   | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
| 0030662-91-0 | Hexanedioic acid, polymer with 1,4-butanediol, 1,6-hexanediol and 1,1'-methylenebis[4-isocyanatobenzene] | OSHA   | Select Carcinogen: No  |
|              |  | NTP    | Known: No; Suspected: No   |
|              |  | IARC   | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |

## 8.2. Exposure controls

### Respiratory

Atmospheric levels should be maintained below the exposure guideline. Use an approved, full-face, supplied air respirator or a NIOSH approved positive pressure, self-contained breathing apparatus if these levels are exceeded.

### Eyes

Safety glasses or chemical goggles should be worn.

### Skin

Overalls which cover the body, arms and legs should be worn. Skin should not be exposed. All parts of the body should be washed after contact. Use neoprene, vinyl or natural rubber gloves.

### Engineering Controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

### Other Work Practices

Eye wash fountain or bottles. Solvent insoluble barrier hand cream. Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:

## 9. Physical and chemical properties

|  |   |
|--|---|
| <b>Appearance</b>                                      | MEDIUM VISCOSITY CLEAR Liquid   |
| <b>Odor</b>  | Not Measured  |
| <b>Odor threshold</b>                                  | Not Measured  |
| <b>pH</b>  | Not Measured  |
| <b>Melting point / freezing point</b>                  | Not Measured  |
| <b>Initial boiling point and boiling range</b>         | 175 F   |
| <b>Flash Point</b>                                     | 16 F TCC  |
| <b>Evaporation rate (Ether = 1)</b>                    | SLOWER THAN ETHER   |
| <b>Flammability (solid, gas)</b>                       | Not Applicable  |
| <b>Upper/lower flammability or explosive limits</b>    | <b>Lower Explosive Limit:</b> 1.4%<br><b>Upper Explosive Limit:</b> 11.4% |
| <b>Vapor pressure (Pa)</b>                             | Not Measured  |
| <b>Vapor Density</b>                                   | HEAVIER THAN ETHER  |
| <b>Specific Gravity</b>                                | 0.9 (H <sub>2</sub> O=1)  |
| <b>Solubility in Water</b>                             | Nil   |
| <b>Partition coefficient n-octanol/water (Log Kow)</b> | Not Measured  |
| <b>Auto-ignition temperature</b>                       | Not Measured  |
| <b>Decomposition temperature</b>                       | Not Measured  |
| <b>Viscosity (cSt)</b>                                 | Not Measured  |
| <b>VOC %</b>   | V.O.C.: 5.84 LB/GAL (699 G/L),<br>MATERIAL V.O.C.: 5.84 LB/GAL (699 G/L)  |

### 9.2. Other information

No other relevant information.

## 10. Stability and reactivity

### 10.1. Reactivity

Hazardous Polymerization will not occur.

### 10.2. Chemical stability

Stable under normal circumstances.

### 10.3. Possibility of hazardous reactions

No data available.

### 10.4. Conditions to avoid

Keep away from all sources of ignition or heat.

### 10.5. Incompatible materials

Strong oxidizing agents can cause spontaneous combustion.

### 10.6. Hazardous decomposition products

Burning may produce fumes of carbon dioxide, carbon monoxide, hydrogen cyanide, phenols and nitrous oxides.

## 11. Toxicological information

### Acute toxicity

Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage.

| Ingredient  | Oral LD50, mg/kg             | Skin LD50, mg/kg                 | Inhalation Vapor LD50, mg/L/4hr | Inhalation Dust/Mist LD50, mg/L/4hr | Inhalation Gas LD50, ppm |
|---|------------------------------|----------------------------------|---------------------------------|-------------------------------------|--------------------------|
| Butanone - (78-93-3)  | 2,737.00, Rat - Category: 5  | 6,480.00, Rabbit - Category: NA  | 32.00, Mouse - Category: NA     | No data available                   | No data available        |
| Hexanedioic acid, polymer with 1,4-butanediol, 1,6-hexanediol and 1,1'-methylenebis[4-isocyanatobenzene] - (30662-91-0) | No data available            | No data available                | No data available               | No data available                   | No data available        |
| n-Propyl Acetate - (109-60-4)   | 9,370.00, Rat - Category: NA | 17,740.00, Rabbit - Category: NA | No data available               | No data available                   | No data available        |
| Ethanol, 2-butoxy-, phosphate (3:1) - (78-51-3)   | No data available            | No data available                | No data available               | No data available                   | No data available        |

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

| Classification                | Category | Hazard Description                 |
|-------------------------------|----------|------------------------------------|
| Acute toxicity (oral)         | ---      | Not Applicable                     |
| Acute toxicity (dermal)       | ---      | Not Applicable                     |
| Acute toxicity (inhalation)   | ---      | Not Applicable                     |
| Skin corrosion/irritation     | ---      | Not Applicable                     |
| Serious eye damage/irritation | 2        | Causes serious eye irritation.     |
| Respiratory sensitization     | ---      | Not Applicable                     |
| Skin sensitization            | ---      | Not Applicable                     |
| Germ cell mutagenicity        | ---      | Not Applicable                     |
| Carcinogenicity               | ---      | Not Applicable                     |
| Reproductive toxicity         | ---      | Not Applicable                     |
| STOT-single exposure          | 3        | May cause drowsiness or dizziness. |
| STOT-repeated exposure        | ---      | Not Applicable                     |
| Aspiration hazard             | ---      | Not Applicable                     |

## 12. Ecological information

### 12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

### Aquatic Ecotoxicity

| Ingredient  | 96 hr LC50 fish, mg/l         | 48 hr EC50 crustacea, mg/l | ErC50 algae, mg/l                    |
|---|-------------------------------|----------------------------|--------------------------------------|
| Butanone - (78-93-3)  | 400.00, Cyprinodon variegatus | 520.00, Daphnia magna      | 500.00 (96 hr), Skeletonema costatum |
| Hexanedioic acid, polymer with 1,4-butanediol, 1,6-hexanediol and 1,1'-methylenebis[4-isocyanatobenzene] - (30662-91-0) | Not Available                 | Not Available              | Not Available                        |
| n-Propyl Acetate - (109-60-4)   | 60.00, Pimephales promelas    | 318.00, Daphnia magna      | 1,000.00 (72 hr), Chlorococcales     |
| Ethanol, 2-butoxy-, phosphate (3:1) - (78-51-3)   | Not Available                 | Not Available              | Not Available                        |

### 12.2. Persistence and degradability

There is no data available on the preparation itself.

### 12.3. Bioaccumulative potential

Not Measured

### 12.4. Mobility in soil

No data available.

### 12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

### 12.6. Other adverse effects

No data available.

## 13. Disposal considerations

### 13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

## 14. Transport information

|   | DOT (Domestic Surface Transportation)                   | IMO / IMDG (Ocean Transportation)                  | ICAO/IATA                                |
|---|---|--|--|
| <b>14.1. UN number</b>                  | UN1133  | UN1133   | UN1133                                   |
| <b>14.2. UN proper shipping name</b>    | UN1133, Adhesives, containing a flammable liquid, 3, II | Adhesives, containing a flammable liquid           | Adhesives, containing a flammable liquid |
| <b>14.3. Transport hazard class(es)</b> | <b>DOT Hazard Class:</b> 3<br><b>DOT Label:</b> 3       | <b>IMDG:</b> 3<br><b>Sub Class:</b> Not Applicable | <b>Air Class:</b> 3                      |
| <b>14.4. Packing group</b>              | II  | II   | II                                       |
| <b>14.5. Environmental hazards</b>      |   |  |  |



IMDG Marine Pollutant: No

#### 14.6. Special precautions for user

No further information

## 15. Regulatory information

**Regulatory Overview** The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

**Toxic Substance Control Act (TSCA)** All components of this material are either listed or exempt from listing on the TSCA Inventory.

**WHMIS Classification** B2 D2B

#### US EPA Tier II Hazards

**Fire:** Yes

**Sudden Release of Pressure:** No

**Reactive:** No

**Immediate (Acute):** Yes

**Delayed (Chronic):** No

#### EPCRA 311/312 Chemicals and RQs (lbs):

Butanone ( 5,000.00)

#### EPCRA 302 Extremely Hazardous :

(No Product Ingredients Listed)

#### EPCRA 313 Toxic Chemicals:

(No Product Ingredients Listed)

#### Proposition 65 - Carcinogens (>0.0%):

(No Product Ingredients Listed)

#### Proposition 65 - Developmental Toxins (>0.0%):

Toluene

#### Proposition 65 - Female Repro Toxins (>0.0%):

(No Product Ingredients Listed)

#### Proposition 65 - Male Repro Toxins (>0.0%):

(No Product Ingredients Listed)

#### N.J. RTK Substances (>1%):

Butanone

n-Propyl Acetate

#### Penn RTK Substances (>1%):

Butanone

n-Propyl Acetate

## 16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our

products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H225 Highly flammable liquid and vapor.

H319 Causes serious eye irritation.

H336 May cause drowsiness and dizziness.

#### **SDS Revision History**

|                    |   |                   |
|--------------------|---|-------------------|
| <b>Version 1.1</b> | <b>Initial SDS issued</b>                           | <b>11/20/2014</b> |
| <b>Version 1.2</b> | <b>Section 1.3 Change to Emergency Tele. Number</b> | <b>6/17/2015</b>  |
| <b>Version 1.3</b> | <b>Section 1.3 Update to Emergency Tele. Number</b> | <b>12/23/2018</b> |

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