



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

### 1.1 Product identifier

Trade name: Quickbond Bonding Agent  
Component substances: Refer to Section 3: Composition/information on ingredients

#### Other means of identification

Product codes: 90700, 90705, 90775, 90705B

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

Recommended use: Primer, adhesion promoter  
Restrictions on use: For industrial or professional use only. Not for consumer use.

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

Non-EU manufacturer: Hawk Research Laboratories, LLC  
Address: 7150 Capitol Drive, Wheeling, IL 60090 USA  
Telephone: +1 (630) 227-0050  
Email: [info@hawklabs.com](mailto:info@hawklabs.com)

### 1.4 Emergency telephone number

ChemTel: +1 (813) 248-0585  
(Contract number MIS0002644)

## 2 Hazard(s) identification

### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]:

Hazard(s): Flam. Liq. 2  
Skin Irrit. 2  
Eye Irrit. 2  
Repr. 2  
STOT SE 3 (central nervous system)  
STOT RE 2 (central nervous system)  
Asp. Tox. 1

### 2.2 Label elements

Labeling according to Regulation (EC) No 1272/2008 [CLP]:

Pictogram(s):



Signal Word: Danger

Hazard Statement(s):

H225 Highly flammable liquid and vapour  
H304 May be fatal if swallowed and enters airways  
H315 Causes skin irritation  
H319 Causes serious eye irritation  
H361d Suspected of damaging the unborn child via inhalation  
H336 May cause drowsiness or dizziness  
H373 May cause damage to organs (central nervous system) through prolonged or repeated exposure via inhalation



H412: Harmful to aquatic life with long lasting effects

**Precautionary Statement(s):**

- P201 Obtain special instructions before use.
- P202 Do not handle until all safety precautions have been read and understood.
- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P233 Keep container tightly closed.
- P240 Ground and bond container and receiving equipment.
- P241 Use explosion-proof electrical/ventilating/lighting equipment.
- P242 Use only non-sparking tools.
- P243 Take action to prevent static discharges.
- P260 Do not breathe vapours/mist/spray.
- P264 Wash hands thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
- P331 Do NOT induce vomiting.
- P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing.  
Rinse skin with water/shower.
- P332 + P313 If skin irritation occurs: Get medical advice/attention.
- P364 Wash contaminated clothing before reuse.
- P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P312 Call a POISON CENTER/doctor if you feel unwell.
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P337 + P313 If eye irritation persists: Get medical advice/attention.
- P308 + P313 IF exposed or concerned: Get medical advice/attention.
- P314 Get medical advice/attention if you feel unwell.
- P370 + P378 In case of fire: Use carbon dioxide (CO<sub>2</sub>), alcohol-resistant foam, dry chemical, or water spray to extinguish.
- P403 + P235 Store in a well-ventilated place. Keep cool.
- P405 Store locked up.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**2.3 Other hazards**

PBT / vPvB Assessment

This product contains no known components classified as PBT / vPvB according to REACH Annex XIII criteria.

Other Hazards

not applicable (N/A)

**3 Composition / information on ingredients**

**3.1 Substances**

not applicable (N/A)

**3.2 Mixtures**



Component	Hazard classification	Wt. %
Toluene CAS No.: 108-88-3 EC No.: 203-625-9 REACH Registration No.: no information available	Flam. Liquid 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Repr. 2, H361d STOT SE 3, H336 STOT RE 2, H373 Aquatic Chronic 3, H412	70-90
Butan-1-ol CAS No.: 71-36-3 EC No.: 200-751-6 REACH Registration No.: no information available	Flam Liquid 3, H226 Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 STOT SE 3, H336	0.5-2.5
2-Butoxyethanol CAS No.: 111-76-2 EC No.: 203-905-0 REACH Registration No.: no information available	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319	0.5-2.5
Ethanol CAS No.: 64-17-5 EC No.: 200-578-6 REACH Registration No.: no information available	Flam. Liquid 2, H225 Eye Irrit. 2, H319	0.5-2.5

## 4 First aid measures

### 4.1 Description of first aid measures

- IF IN EYES:** Rinse immediately with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing. Get medical attention if irritation occurs and persists.
- IF INHALED:** Remove person to fresh air and keep comfortable for breathing. Get medical attention if drowsiness or dizziness occurs, or if you feel unwell or experience respiratory irritation after exposure.
- IF ON SKIN:** Take off immediately all contaminated clothing. Wash exposed skin with plenty of water or use shower. Get medical attention if irritation or rash occurs. Wash contaminated clothing before reuse.
- IF SWALLOWED:** Do not induce vomiting. If vomiting occurs naturally, have person lean forward to reduce the risk of aspiration. Immediately call a poison center or doctor.

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

- EYES** Causes serious eye irritation.
- INHALATION** Inhalation of vapours may cause drowsiness or dizziness.
- SKIN** Causes skin irritation. May be harmful if absorbed through the skin.
- INGESTION** May be fatal if swallowed and enters airways.
- CHRONIC EFFECTS** Chronic exposure by inhalation can cause neuropsychological effects, auditory dysfunction, and effects on color vision; and is suspected of damaging the unborn child.



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

Notes to Physician: For frequent or potentially high exposure to toluene, urinary hippuric acid excretion tests (at the end of the shift) are recommended before beginning work and at regular intervals as an index of over-exposure to toluene. If symptoms develop or overexposure is suspected, liver and kidney function tests and EEG are recommended.

## 5 Firefighting measures

### 5.1 Extinguishing media

Suitable Use carbon dioxide (CO<sub>2</sub>), alcohol-resistant foam, dry chemical, or water spray.

Unsuitable Do not use high volume water jet as it may scatter and spread the fire.

### 5.2 Specific hazards arising from the substance or mixture

Highly flammable liquid and vapour. Containers may burst or explode in fire conditions.

This product is harmful to aquatic life with long lasting effects.

Burning may produce hazardous combustion products, including carbon monoxide, carbon dioxide, and other toxic gases.

### 5.3 Advice for firefighters

Standard protective equipment for fighting chemical fires should be used, including self contained breathing apparatus (SCBA) and full fire fighting turn-out gear.

Caution: CO<sub>2</sub> used for extinguishing will displace air in confined spaces and may cause an oxygen deficient atmosphere.

Do not approach containers suspected to be hot. Cool endangered containers with water spray from a protected location. Move undamaged containers from the hazard area if it can be done safely.

Avoid release to the environment. Water used for extinguishing a fire must be prevented from draining into sewers or being released to the environment.

## 6 Accidental release measures

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

Highly flammable liquid and vapour. Remove all sources of ignition. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

Do not breathe vapours/mist/spray and avoid contact with eyes and skin. Ventilate the spill area using explosion-proof equipment. Wear personal protective equipment. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Use only non-sparking tools and explosion-proof equipment for cleanup. Evacuate danger area and consult an expert in case of a large spill.

### 6.2 Environmental precautions

This product is harmful to aquatic life with long lasting effects. Avoid release to the environment. Do not allow substance to enter into surface water or drains. Contaminated water and soil must be retained and disposed of in accordance with all local, regional, national, and international regulations.

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

Remove all sources of ignition. Use explosion-proof equipment.

For small spills, pick up with inert adsorbent material (sand, vermiculite, earth, etc.). Do not use combustible adsorbents. Sweep up and collect material into suitable containers for disposal.



For large spills, contain spill with dike and pump off product using an explosion-proof pump or vacuum designed for use with flammable liquids. Collect material into suitable containers for re-use or disposal. Finish off as for small spills.

#### **6.4 Reference to other sections**

Refer to Section 8: Exposure Controls / Personal Protection and Section 13: Disposal Considerations.

## **7 Handling and storage**

### **7.1 Precautions for safe handling**

Highly flammable liquid and vapour. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed when not in use. Ground and bond container and receiving equipment. Use explosion-proof electrical, ventilating, and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Women who are pregnant or who may become pregnant should not handle or use this product.

Do not breathe vapours/mist/spray and avoid contact with eyes and skin. Use only outdoors or in a well-ventilated area. Wear respiratory protection if engineering controls are unable to keep levels of contaminants below exposure control limits. Wear protective gloves, protective clothing, eye protection, and face protection. Do not eat, drink, or use tobacco products while working. Wash hands thoroughly after handling and before eating, drinking, or using tobacco products. Take off immediately contaminated clothing and wash it before reuse. Eye wash station and safety shower should be available in the immediate work area.

This product is harmful to aquatic life with long lasting effects. Avoid release to the environment.

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

Keep container tightly closed in a cool, dry, and well-ventilated place. Avoid exposure to heat or direct sunlight. Store locked up.

### **7.3 Specific end uses**

no information available

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

### **8.1 Control parameters**

#### Occupational Exposure Limits

Toluene, CAS No. 108-88-3

UK EH40 WEL: 50 ppm (191 mg/m<sup>3</sup>) TWA (8 hr); 100 ppm (384 mg/m<sup>3</sup>) STEL (15 min); skin notation

Ireland OELV: 50 ppm (192 mg/m<sup>3</sup>) TWA (8 hr); 100 ppm (384 mg/m<sup>3</sup>) STEL (15 min); skin notation

Butan-1-ol, CAS No. 71-36-3

UK EH40 WEL: 50 ppm (154 mg/m<sup>3</sup>) STEL (15 min); skin notation

Ireland OELV: 20 ppm TWA (8 hr)

2-Butoxyethanol, CAS No. 111-76-2



IOELV(2000/39/EC): 20 ppm (98 mg/m<sup>3</sup>) TWA (8 hr); 50 ppm (246 mg/m<sup>3</sup>) STEL (15 min); skin notation  
UK EH40 WEL: 25 ppm (123 mg/m<sup>3</sup>) TWA (8 hr); 50 ppm (246 mg/m<sup>3</sup>) STEL (15 min); skin notation, BMGV  
Ireland OELV: 20 ppm (98 mg/m<sup>3</sup>) TWA (8 hr) ; 50 ppm (246 mg/m<sup>3</sup>) STEL (15 min); skin notation

Ethanol, CAS No. 64-17-5

UK EH40 WEL: 1000 ppm (1920 mg/m<sup>3</sup>) TWA (8 hr)  
Ireland OELV: 1000 ppm STEL (15 min)

Recommended monitoring procedures

no information available

**8.2 Exposure controls**

Work in well ventilated areas or outdoors. The use of local exhaust ventilation is recommended to control air contaminants. Provide mechanical ventilation for confined spaces. Use explosion-proof ventilation equipment. Use mechanical handling to reduce human contact with materials. Eye wash station and safety shower should be available in the immediate work area.

Use only appropriately classified electrical equipment and powered industrial trucks.

The following recommendations are advisory only and should be evaluated by an industrial hygienist familiar with the specific situation of the intended use.

Eye/Face Protection           Wear chemical safety goggles.

Skin Protection                 Wear protective gloves impervious to the conditions of use and chemical resistant protective clothing. The selected protective gloves have to satisfy the specifications of the EC directive 89/686/EEC and other applicable standards such as EN374. Suggested materials for protective gloves include fluorinated rubber (VITON®). Protective clothing (e.g. boots, gauntlets, apron, and/or full protective suit) should be selected based on the potential for exposure in the workplace.

Respiratory Protection        If engineering controls do not maintain airborne concentrations to a level within control parameters, select respiratory protection equipment suitable for the specific conditions of use and meeting relevant legislation such as EN141 (such as a full facepiece respirator with an organic vapor cartridge or a full facepiece powered-air purifying respirator).

**9 Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

Appearance	clear liquid
Odour	characteristic
Odour threshold	2.5 ppm (toluene)
pH value	no information available
Melting / freezing point	no information available
Initial boiling point / range	78-168°C
Flash point	< 1°C
Evaporation rate	no information available
Flammability	Flam. Liq. 2
Upper/lower flammability limits	no information available



Upper/lower explosivity limits	7.1% / 1.1% by volume (toluene)
Vapour pressure	29-30 hPa (20°C)
Vapour density	heavier than air
Relative density	0.888
Solubility in water	no information available
Partition coefficient (n-octanol/water)	no information available
Auto-ignition temperature	no information available
Decomposition temperature	no information available
Viscosity, dynamic	no information available
Viscosity, kinematic	no information available
Explosive properties	non-explosive based on chemical composition
Oxidising properties	non-oxidising based on chemical composition

## 9.2 Other information

no information available

## 10 Stability and reactivity

### 10.1 Reactivity

No reactivity hazards are known under normal conditions of storage and use.

### 10.2 Chemical stability

This mixture is expected to be stable under normal conditions of storage and use.

### 10.3 Possibility of hazardous reactions

Highly flammable liquid and vapour.

### 10.4 Conditions to avoid

Electrostatic discharge and ignition sources, heat, accumulation of vapour

### 10.5 Incompatible materials

Strong oxidising agents

### 10.6 Hazardous decomposition products

Burning or thermal decomposition may produce hazardous products, including carbon monoxide, carbon dioxide, and other toxic gases.

## 11 Toxicological information

### 11.1 Information on toxicological effects

#### Acute Toxicity (Oral)

Based on available data, the classification criteria are not met:  $ATE_{mix} > 2\ 000\ \text{mg/kg}$

#### Acute Toxicity (Inhalation)

Based on available data, the classification criteria are not met:  $ATE_{mix} (\text{vapours}) > 20\ \text{mg/L}$

#### Acute Toxicity (Dermal)

Based on available data, the classification criteria are not met:  $ATE_{mix} > 2\ 000\ \text{mg/kg}$

#### Skin Corrosion/Irritation

Classified as Skin Irrit. 2 based on available data for the components and the CLP methods for the classification of mixtures.

#### Eye Damage/Irritation



Classified as Eye Irrit. 2 based on available data for the components and the CLP methods for the classification of mixtures.

#### Respiratory Sensitization

Classification not possible due to lack of component data.

#### Skin Sensitization

Based on available data for the components and the CLP methods for the classification of mixtures, the classification criteria are not met.

#### Germ Cell Mutagenicity

Based on available data for the components and the CLP methods for the classification of mixtures, the classification criteria are not met.

#### Carcinogenicity

Based on available data for the components and the CLP methods for the classification of mixtures, the classification criteria are not met. This product contains the following component(s) listed or classified by IARC as to their carcinogenicity:

*Toluene:* IARC Group 3 (Not classifiable as to its carcinogenicity to humans)  
*2-Butoxyethanol:* IARC Group 3 (Not classifiable as to its carcinogenicity to humans)

#### Reproductive Toxicity

Classified as Repr. 2 based on available data for the components and the CLP methods for the classification of mixtures. In animal studies, the toluene component has shown effects on the developing fetus that are deemed sufficient for classification.

#### Specific Target Organ Toxicity (Single Exposure)

Classified as STOT SE 3 (central nervous system) based on available data for the components and the CLP methods for the classification of mixtures.

#### Specific Target Organ Toxicity (Repeated/Prolonged Exposure)

Classified as STOT SE 2 (central nervous system) based on available data for the components and the CLP methods for the classification of mixtures.

After repeated dose exposure by inhalation, toluene causes a number of adverse effects including impairment of auditory function and morphological evidence of cell loss in the rat cochlea; neuron loss in the central nervous system of animals; and neuropsychological effects, auditory dysfunction, and effects on color vision have been reported in humans. These effects are deemed sufficient for classification. Effects on the liver and kidneys have also been reported for the components but were not deemed sufficient for classification.

#### Aspiration Hazard

Classified as Asp. Tox. 1 based on available data for the components and the CLP methods for the classification of mixtures.

## 12 Ecological information

### 12.1 Toxicity

#### Acute toxicity

Based on available data for the components and the CLP methods for the classification of mixtures, the classification criteria are not met.

#### Chronic toxicity

Classified as Aquatic Chronic 3 based on available data for the components and the CLP summation method for the classification of mixtures.





#### **12.2 Persistence and degradability**

The components of this product are deemed to be readily biodegradable based on available data.

#### **12.3 Bioaccumulative potential**

The components of this product are deemed not to be bioaccumulative according to REACH Annex XIII criteria based on available data.

#### **12.4 Mobility in soil**

no information available

#### **12.5 Results of PBT and vPvB assessment**

This product contains no known components classified as PBT / vPvB according to REACH Annex XIII criteria.

#### **12.6 Other adverse effects**

no information available

### **13 Disposal considerations**

#### **13.1 Waste treatment methods**

Recover or recycle if possible. Otherwise, burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus or non-recyclable material to a licensed waste disposal company. Do not dispose by flushing down drains or sewers. Dispose of contaminated packaging in the same manner as surplus product.

Disposal of product and contaminated packaging should be in accordance with applicable local, regional, national, and international laws and regulations. Local regulations may be more stringent than regional or national requirements.

### **14 Transport information**

#### **14.1 UN number**

UN1263

#### **14.2 UN proper shipping name**

PAINT RELATED MATERIAL (TOLUENE SOLUTION)

#### **14.3 Transport hazard class(es)**

3

#### **14.4 Packing group**

II

#### **14.5 Environmental hazard(s)**

This product is not classified as a Marine Pollutant as defined in IMDG 39-18 2.9.3.

#### **14.6 Special precautions for user**

no information available

#### **14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

no information available

### **15 Regulatory information**



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

no information available

**15.2 Chemical safety assessment**

A Chemical Safety Assessment has not been carried out for this mixture.

**16 Other information**

**16.1 Revision date**

17 December 2020

**16.2 Date of previous version**

not applicable (N/A)

**16.3 Reasons for revision**

New version in English for the EU

**16.4 Additional information**

not applicable (N/A)

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End of SDS