

Safety Data Sheet

Material Name: Ultimate-Bond Adhesive

Section 1 - PRODUCT AND COMPANY IDENTIFICATION

Material Name: Ultimate-Bond Adhesive

Product Use: Wood Flooring Adhesive

Manufacturer Information

Ultimate RB
1430 N. Main Street
Delphos, OH 45833
(419) 692-2700

Ultimate RB
904 NE 10th Ave.
McMinnville, OR 97128
(503) 472-4691

Emergency Phone #: +1-800-424-9300 (Chemtrec)

Section 2 - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200.

Resp. Sens - Inhalation: Category 1

Skin Sens: Category 1

Eye Damage: Category 2A

Reproductive Toxicity: Category 2

STOT Repeated Exposure: Category 2

Aspiration: Category 1

GHS Label Elements

Symbol(s)



Signal Word

Harmful

Hazard Statement(s)

May cause sensitization by inhalation.

Causes skin irritation.

Precautionary Statement(s)

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

Avoid release to the environment.

Use personal protective equipment as required.

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This material and its container must be disposed of as hazardous waste

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lens, if present and easy to do. Continue rinsing.

Contains isocyanates

Classification System:

NFPA (scale of 0-4)



WHMIS (scale of 0-4):



Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CAS	Component Name	Percent
101-68-8	Diphenylmethane-4,4'-di-isocyanate	<2.5%

Any remaining ingredients (to comprise 100% of the product) should be considered a proprietary blend of non-hazardous substances, or materials below threshold reporting limits.

Section 4 - FIRST AID MEASURES

Description of first aid measures

- **After inhalation:** Supply fresh air; consult doctor in case of complications.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.
- **After swallowing:** Do not induce vomiting; immediately call for medical help.
- **Most important symptoms and effects, both acute and delayed:** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed:** No further relevant information available.

Section 5 - FIRE FIGHTING MEASURES

Extinguishing Media

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Carbon dioxide, dry chemicals, foam. Fight larger fires with water spray or alcohol resistant foam

Specific Hazards arising from the Chemical

No further relevant information available.

Special protective Equipment: No special measures required

Section 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation

Wear protective clothing.

Environmental precautions:

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

Dilute with plenty of water.

Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection.

See section 13 for disposal information

Section 7 - HANDLING AND STORAGE

Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Avoid contact with the eyes.

· **Information about protection against explosions and fires:** No special measures required.

· **Conditions for safe storage, including any incompatibilities**

· **Storage:**

· *Requirements to be met by storerooms and receptacles:* No special requirements.

· *Information about storage in one common storage facility:* Not required.

· *Further information about storage conditions:* None.

· **Specific end use(s)** No further relevant information available.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Additional information about design of technical systems: No further data; see item 7.

· **Control parameters**

· **Components with limit values that require monitoring at the workplace:**

101-68-8 diphenylmethane-4,4'-di-isocyanate

PEL Ceiling limit value: 0.2 mg/m³, 0.02 ppm

REL Long-term value: 0.05 mg/m³, 0.005 ppm

Ceiling limit value: 0.2* mg/m³, 0.02* ppm

*10-min

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TLV Long-term value: 0.051 mg/m³, 0.005 ppm

· *Additional information:* The lists that were valid during the creation were used as basis.

· **Exposure controls**

· **Personal protective equipment:**

· *General protective and hygienic measures:*

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

· *Breathing equipment:*

Not necessary if room is well-ventilated.

Use suitable respiratory protective device in case of insufficient ventilation.

· *Protection of hands:* Not required.

· *Material of gloves* Butyl rubber, BR

· *Eye protection:* Goggles recommended during

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

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

· **General Information**

· *Appearance:*

Form: Fluid

Color: According to product specification

· *Odor:* Characteristic

· *Odour threshold:* Not determined.

· **pH-value:** Not determined.

· **Change in condition**

Boiling point/Boiling range: Undetermined.

· **Flash point:** 101 °C (214 °F)

· **Flammability (solid, gaseous):** Not applicable.

· **Ignition temperature:** 265 °C (509 °F)

· *Decomposition temperature:* Not determined.

· **Auto igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Explosion limits:**

Lower: Not determined.

Upper: Not determined.

· **Vapor pressure:** Not determined.

· **Density at 20 °C (68 °F):** 1.5 g/cm³ (12.518 lbs/gal)

· *Relative density* Not determined.

· *Vapour density* Not determined.

· *Evaporation rate* Not determined.

· **Solubility in / Miscibility with**

Water: Not determined.

· **Partition coefficient (n-octanol/water):** Not determined.

· **Viscosity:**

Dynamic: Not determined.

Kinematic: Not determined.

Solvent content:

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Organic solvents: 0.0 %

VOC Content: 6.00 %

· **Other information** No further relevant information available.

Section 10 - STABILITY AND REACTIVITY

· **Reactivity**

· **Chemical stability**

· **Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

· **Possibility of hazardous reactions** No dangerous reactions known.

· **Conditions to avoid** No further relevant information available.

· **Incompatible materials:** No further relevant information available.

· **Hazardous decomposition products:** No dangerous decomposition products known.

Section 11 - TOXICOLOGICAL INFORMATION

Information on toxicological effects

· **Acute toxicity:**

· *LD/LC50 values that are relevant for classification:*

101-68-8 diphenylmethane-4,4'-di-isocyanate

Oral LD50 > 2000 mg/kg (Ratte) (Richtlinie 84/449/EWG, B.1)

Dermal LD50 > 9400 mg/kg (rab) (OECD- Prüfrichtlinie 402)

· *Primary irritant effect:*

· *on the skin:* No irritant effect.

· *on the eye:* No irritating effect.

· *Sensitization:* Sensitization possible through inhalation.

· **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

Harmful

· *Carcinogenic categories*

· *IARC (International Agency for Research on Cancer)*

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· *NTP (National Toxicology Program)*

None of the ingredients is listed.

· *OSHA-Ca (Occupational Safety & Health Administration)*

None of the ingredients is listed.

Section 12 - ECOLOGICAL INFORMATION

Toxicity

· **Aquatic toxicity:**

101-68-8 diphenylmethane-4,4'-di-isocyanate

EC50 > 1000 mg/l (Daphnia magna Wasserfloh) (OECD- Prüfrichtlinie 202)

LC50/ 96h > 1000 mg/l (Danio rerio (Zebrabärbling)) (OECD- Prüfrichtlinie 203)

NOEC > 10 mg/l (Daphnia magna Wasserfloh) (OECD- Prüfrichtlinie 202 (Fortpflanzung))

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- **Persistence and degradability** No further relevant information available.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- *General notes:* Not known to be hazardous to water.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

Section 13 - DISPOSAL CONSIDERATIONS

Waste treatment methods

· **Recommendation:**

Liquid product must not be disposed of together with household garbage. Do not allow product to reach sewage system. If product has aged or solidified conventional means of disposal are acceptable.

· **Uncleaned packagings:**

- *Recommendation:* Disposal must be made according to official regulations.
- *Recommended cleansing agent:* Water, if necessary with cleansing agents.

Section 14 - TRANSPORT INFORMATION

· **Environmental hazards:**

- **Marine pollutant:** No
- **Special precautions for user** Not applicable.
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

Section 15 - REGULATORY INFORMATION

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

· Sara

- *Section 355 (extremely hazardous substances):*
None of the ingredient is listed.
- *Section 313 (Specific toxic chemical listings):*
101-68-8 diphenylmethane-4,4'-di-isocyanate
- *TSCA (Toxic Substances Control Act):*
All ingredients are listed.

· Proposition 65

- *Chemicals known to cause cancer:*
None of the ingredients is listed.
- *Chemicals known to cause reproductive toxicity for females:*
None of the ingredients is listed.
- *Chemicals known to cause reproductive toxicity for males:*
None of the ingredients is listed.

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- *Chemicals known to cause developmental toxicity:*
None of the ingredients is listed.

Canadian Ingredient disclosure list

- *Limit 0,1%*
None of the ingredients is listed.
- *Limit 1%*
None of the ingredients is listed.

Carcinogenicity categories

- *EPA (Environmental Protection Agency)*
101-68-8 diphenylmethane-4,4'-di-isocyanate D, CBD
- *TLV (Threshold Limit Value established by ACGIH)*
None of the ingredients is listed.
- *MAK (German Maximum Workplace Concentration)*
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- *NIOSH-Ca (National Institute for Occupational Safety and Health)*
None of the ingredients is listed.

· **Product related hazard informations:**

- *Hazard symbols:*

The product has been classified and marked in accordance with directives on hazardous materials.

- *Safety phrases:* Keep out of the reach of children.

· **National regulations:**

- *Technical instructions (air):*

Class: 1 *Share in % ≤ 2,5*

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

Section 16 - OTHER INFORMATION

Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD - Dangerous Substance Directive; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; JP - Japan; Kow - Octanol/water partition coefficient; KR - Korea; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National



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Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH - Philippines; RCRA - Resource Conservation and Recovery Act; REACH- Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States.

Other Information

Disclaimer:

The information contained herein is based upon data and information available to us, and reflects our best professional judgment. This product may be formulated in part with components purchased from other companies. No warranty of merchantability, fitness for any use, or any other warranty is expressed or implied regarding the accuracy of such data or information. The results to be obtained from the use thereof, or that any such use does not infringe any patent, since the information contained herein may be applied under conditions of use beyond our control and with which we may be unfamiliar, we do not assume responsibility for the results of such application. This information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the material for his particular use.