

**HD Construction Adhesive**

ACCORDING TO US CFR 1910.1200

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifier**

Product Name HD Construction Adhesive

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

Identified Use(s) Adhesives.

Uses Advised Against Not known.

1.3 Details of the supplier of the safety data sheet

Manufacturer

Company Identification The Gorilla Glue Company

Address of Manufacturer 2101 East Kemper Road

Cincinnati, Ohio

Zip code 45241

Telephone: 513-271-3300

E-mail Info@gorillaglu.com

Supplier

Company Identification The Gorilla Glue Company

Address of Supplier 2101 East Kemper Road

Cincinnati, Ohio

Zip code 45241

Telephone: 513-271-3300

E-mail Info@gorillaglu.com

1.4 Emergency telephone number

Emergency Phone No. 1-800-420-7186

Contact Prosar

SECTION 2: HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture**

US CFR 1910.1200 Skin Sens. 1B :May cause an allergic skin reaction.

Eye Irrit. 2A :Causes serious eye irritation.

2.2 Label elements

According to US CFR 1910.1200

Product Name HD Construction Adhesive

Hazard Pictogram(s)



GHS07

Signal Word(s) Warning

Hazard Statement(s) H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

**HD Construction Adhesive****Precautionary Statement(s)**

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P261: Avoid breathing vapors.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352: IF ON SKIN: Wash with plenty of water.
P501: Dispose of contents in accordance with local, state or national legislation.

2.3 Other hazards

None known.

2.4 Additional Information

For full text of H/P Statements see section 16.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.1 Substances**

Not applicable.

3.2 Mixtures

HAZARDOUS INGREDIENT(S)	CAS No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
Trimethoxyvinylsilane	2768-02-7	<2	Flam. Liq. 3 H226 Skin Sens. 1B H317 Acute Tox. 4 H332	GHS02 GHS07
N-(3-(trimethoxysilyl)propyl)ethylenediamine	1760-24-3	<1	Skin Sens. 1B H317 Eye Dam. 1 H318 STOT SE 3 H335	GHS05 GHS07
Quartz (SiO ₂)*	14808-60-7	<0.5	Carc. 1A H350 STOT RE 1 H372	GHS08
Diocetyl tin oxide	870-08-6	<0.1	Eye Irrit. 2B H320 STOT SE 2 H371	GHS08
Methanol	67-56-1	<0.05	Flam. Liq. 2 H225 Acute Tox. 3 H301 Acute Tox. 3 H311 Acute Tox. 3 H331 STOT SE 1 H370	GHS02 GHS06 GHS08

*The hazard of Carc. 1A will only be triggered if the product crystalizes and releases dusts component that have the possibility to be respirable.

For full text of H/P Statements see section 16.

**HD Construction Adhesive****SECTION 4: FIRST AID MEASURES****4.1 Description of first aid measures**

Inhalation	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms develop, obtain medical attention.
Skin Contact	Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion	Wash out mouth with water. If symptoms develop, obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

May cause an allergic skin reaction. Causes serious eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Unlikely to be required but if necessary treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES**5.1 Extinguishing media**

Suitable Extinguishing media	As appropriate for surrounding fire.
Unsuitable extinguishing media	None.

5.2 Special hazards arising from the substance or mixture

None anticipated. May decompose in a fire, giving off toxic and irritant vapors.

5.3 Advice for firefighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Dike fire control water for later disposal.

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

Provide adequate ventilation. Wear appropriate personal protective equipment, avoid direct contact. Avoid breathing vapors. Wash hands and exposed skin thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace.

6.2 Environmental precautions

Do not release large quantities into the surface water or into drains.

6.3 Methods and material for containment and cleaning up

Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a container for disposal.

6.4 Reference to other sections

See Also Section 8, 13.

**HD Construction Adhesive****SECTION 7: HANDLING AND STORAGE****7.1 Precautions for safe handling**

General hygiene measures for the handling of chemicals are applicable. If medical advice is needed, have product container or label at hand. Avoid contact with skin and eyes. Avoid breathing vapors. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands and exposed skin thoroughly after handling. Wash contaminated clothing before reuse. Do not eat, drink or smoke at the work place.

7.2 Conditions for safe storage, including any incompatibilities

Storage temperature: Ambient.
Storage life: Stable under normal conditions.
Incompatible materials: None known.

7.3 Specific end use(s)

Adhesives.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters****8.1.1 Occupational Exposure Limits**

SUBSTANCE	CAS No.	LTCL (8 hr TWA ppm)	LTCL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
Methanol (Methyl alcohol)	67-56-1	200	262	250	328	ACGIH TLV, Skin
Methyl alcohol; methanol	67-56-1	200		250		OSHA PEL, C = 1000ppm
Methanol (Methyl alcohol)	67-56-1	200	260	250	325	NIOSH REL Z-1, (S)
Methanol (Methyl alcohol)	67-56-1	200	260			OSHA PEL Z-1
Tin, organic compounds, as Sn	870-08-6		0.1		0.2	ACGIH TLV, Skin, A4
Tin, organic compounds, as Sn	870-08-6		0.1		0.2	OSHA PEL
Tin, organic compounds (as Sn) (except cyhexatin)	870-08-6		0.1			NIOSH REL Z-1, (S)
Tin, organic compounds (as Sn)	870-08-6		0.1			OSHA PEL Z-1
Silica, crystalline, α-quartz	14808-60-7		0.025			ACGIH TLV, R, A2
Silica, crystalline (respirable dust); Quartz	14808-60-7		0.05			OSHA PEL
Silica, crystalline, α-quartz (Respirable dust)	14808-60-7		0.05			NIOSH REL Z-1, Ca
Silica, crystalline, α-quartz (Respirable dust)	14808-60-7		0.05			OSHA PEL Z-1, (z1), (a1)
Silica: CrystallineQuartz (Respirable)	14808-60-7		10			OSHA PEL_Table Z-3, (3d), (3h), (3k), (3l), (3e), (3f)

Remark

ACGIH TLV

Skin

Notes

The American Conference of Governmental Industrial Hygienists (ACGIH®) Threshold Limit Values (TLVs®), 2022

Danger of cutaneous absorption



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OSHA PEL	Occupational Safety and Health (Cal/OSHA) Permissible Exposure Limits (PELs), 2019
NIOSH REL Z-1	National Institute for Occupational Safety and Health (NIOSH) Recommended Exposure Limits (RELs) from the NIOSH Pocket Guide to Chemical Hazards table Z-1: Up to 10-hour time weighted average (TWA) during a 40-hour work week, 2022
(S)	Danger of cutaneous absorption
OSHA PEL Z-1	Occupational Safety and Health Administration (OSHA) Permissible Exposure Limit (PEL) from 29 CFR 1910.1000 Z-1 Table, 2022
A4	Not Classifiable as a Human Carcinogen
R	Measured as respirable fraction of the aerosol.
A2	Suspected Human Carcinogen
Ca	Potential occupational carcinogens
(z1)	This standard applies to any operations or sectors for which the Respirable crystalline silica standard, 1910.1053, is stayed or is otherwise not in effect.
(a1)	30 mg/m ³ (total dust)/% SiO ₂ + 2 OR 250 mppcf (respirable dust)/% SiO ₂ + 5 OR 10 mg/m ³ (respirable dust)/% SiO ₂ + 2
OSHA PEL Table Z-3	Occupational Safety and Health (OSHA) Permissible Exposure Limits (PELs) Table Z-3 Mineral Dusts, 2019
(3d)	250 mppcf (Millions of particles per cubic foot of air, based on impinger samples counted by light-field techniques. Conversion factors - mppcf × 35.3 = million particles per cubic meter = particles per c.c.
(3h)	The percentage of crystalline silica in the formula is the amount determined from airborne samples, except in those instances in which other methods have been shown to be applicable.
(3k)	Both concentration and percentage quartz for the application of this limit are to be determined from the fraction passing through a size-selector with the following characteristics: Aerodynamic diameter (unit density sphere)/ percent passing selector : 2/90; 2.5/75; 3.5/50; 5/25; 10/0. The measurements under this note refer to the use of an AEC (now NRC) instrument. The respirable fraction of coal dust is determined with an MRE; the figure corresponding to that of 2.4mg/m ³ for coal dust is 4.5mg/m ³ .
(3l)	This standard applies to any operations or sectors for which the respirable crystalline silica standard, 1910.1053, is stayed or is otherwise not in effect.
(3e)	The PEL in mg/m ³ is calculated by dividing by the percentage SiO ₂ +2.
(3f)	The PEL in mppcf is calculated by dividing by the percentage SiO ₂ +5.

Biological Exposure Indices						
Substances	CAS Number	Sampling	Tissues	Control parameters	Biological monitoring guidance value	Comments
Methanol	67-56-1	End of shift	urine	Methanol	15 mg/L	B, Ns

Remark	Notes
b	After exposure to soluble compounds
B	Background
Ns	Nonspecific

8.2 Exposure controls

8.2.1. Appropriate engineering controls Ensure adequate ventilation. A washing facility/water for eye and skin cleaning purposes should be present.

8.2.2. Personal protection equipment



Eye Protection

Wear protective eye glasses for protection against liquid splashes.



Skin protection

Wear protective clothing and gloves: Impervious gloves.
Breakthrough time of the glove material: refer to the information provided by the gloves' producer.



Respiratory protection

Wear suitable respiratory protective equipment if exposure to high levels of material are likely.

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Thermal hazards

Not applicable.

8.2.3. Environmental Exposure Controls Do not release large quantities into the surface water or into drains.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

Appearance	Liquid.
	Color : White.
Odor	Alcohol odor.
Odor threshold	Not known.
pH	Not known.
Melting point/freezing point	Not known.
Initial boiling point and boiling range	Not known.
Flash Point	Not known.
Evaporation rate	Not known.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	Not known.
Vapor pressure	Not known.
Vapor density	Not known.
Density (g/ml)	Not known.
Relative density	Not known.
Solubility(ies)	Solubility (Water) : Not known.
	Solubility (Other) : Not known.
Partition coefficient: n-octanol/water	Not known.
Auto-ignition temperature	Not known.
Decomposition Temperature (°C)	Not known.
Viscosity	Not known.
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.

9.2 Other information

None.

**HD Construction Adhesive****SECTION 10: STABILITY AND REACTIVITY****10.1 Reactivity**

None anticipated.

10.2 Chemical Stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose.

10.4 Conditions to avoid

None anticipated.

10.5 Incompatible materials

Not known.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects**

Acute toxicity - Ingestion

Low oral toxicity.

Calculated acute toxicity estimate (ATE): 439560.44

Acute toxicity - Skin Contact

Low acute toxicity.

Calculated acute toxicity estimate (ATE): 1000000

Acute toxicity - Inhalation

Low acute toxicity.

Calculated acute toxicity estimate (ATE): 565.8

Skin corrosion/irritation

Non-irritant.

Serious eye damage/irritation

Causes serious eye irritation. No data.

Skin sensitization data

May cause an allergic skin reaction. No data.

Respiratory sensitization data

Not classified.

Germ cell mutagenicity

There is no evidence of mutagenic potential.

Carcinogenicity

No evidence of carcinogenicity.

Reproductive toxicity

No evidence of reproductive effects.

Lactation

Not classified.

STOT - single exposure

None anticipated.

STOT - repeated exposure

None anticipated.

Aspiration hazard

Not classified.

11.2 Other information

Not known.

**HD Construction Adhesive****SECTION 12: ECOLOGICAL INFORMATION****12.1 Toxicity**

Toxicity - Aquatic invertebrates

Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

Toxicity - Fish

No data.

Toxicity - Algae

No data.

Toxicity - Sediment Compartment

No data.

Toxicity - Terrestrial Compartment

Not classified.

Not classified.

12.2 Persistence and degradability

No information on this formulation.

12.3 Bioaccumulative potential

No information on this formulation.

12.4 Mobility in soil

No information on this formulation.

12.5 Other adverse effects

Not known.

SECTION 13: DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

Dispose of this material and its container as hazardous waste. Dispose of empty containers and wastes safely.

13.2 Additional Information

Disposal should be in accordance with local, state or national legislation.

SECTION 14: TRANSPORT INFORMATION

Not classified as hazardous for transport.

14.1 UN number

Not applicable

14.2 UN proper shipping name

Not applicable

14.3 Transport hazard class(es)

Not applicable

14.4 Packing group

Not applicable

14.5 Environmental hazards

Not classified as a Marine Pollutant.

14.6 Special precautions for user

Not known

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not known

**HD Construction Adhesive****SECTION 15: REGULATORY INFORMATION****15.1 US Federal Regulations**

Toxic and hazardous substances (29 CFR 1910; Subpart Z)	Listed : 67-56-1, 14808-60-7
National emission standards for hazardous air pollutants (40 CFR 61.01)	Not listed
SARA Title III Section 313	Not listed
TSCA (Toxic Substance Control Act)	Listed : 2768-02-7 (Active), 67-56-1 (Active), 1760-24-3 (Active), 870-08-6 (Active), 14808-60-7 (Active)
CAA 602 - Ozone Depleting Substances (ODS)	Not listed

15.2 US State Regulations

State Right to Know Lists	
Proposition 65 (California)	Listed : 67-56-1, 14808-60-7
Massachusetts	Not listed
Minnesota	Listed : 67-56-1, 870-08-6, 14808-60-7
New Jersey	Listed : 67-56-1, 14808-60-7
Pennsylvania	Listed : 67-56-1, 14808-60-7
Rhode Island	Listed : 67-56-1, 14808-60-7

15.3 Other

OSPAR List of Chemicals for Priority Action	Not listed
OSHA (List of Highly Hazardous Chemicals, Toxics and Reactives)	Not listed
NTP (National Toxicology Program)	Listed : 14808-60-7
IARC (International Agency for Research on Cancer)	Listed : 14808-60-7

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16

LEGEND

Hazard Pictogram(s)



GHS07

GHS02: GHS: Flame

GHS05: GHS: Corrosion

GHS06: GHS: Skull and crossbones

GHS08: GHS: Health hazard

**HD Construction Adhesive****Hazard classification**

Flam. Liq. 2 : Flammable liquid, Category 2
Flam. Liq. 3 : Flammable liquid, Category 3
Acute Tox. 3 : Acute toxicity, Category 3
Acute Tox. 4 : Acute toxicity, Category 4
Skin Sens. 1 : Skin sensitization, Category 1
Skin Sens. 1B : Skin sensitization, Category 1B
Eye Dam. 1 : Serious eye damage/irritation, Category 1
Eye Irrit. 2A : Serious eye damage/irritation, Category 2A
Eye Irrit. 2B : Serious eye damage/irritation, Category 2B
STOT SE 3 : Specific target organ toxicity — single exposure, Category 3
Carc. 1A : Carcinogenicity, Category 1A
STOT SE 1 : Specific target organ toxicity — single exposure, Category 1
STOT SE 2 : Specific target organ toxicity — single exposure, Category 2
STOT RE 1 : Specific target organ toxicity — repeated exposure, Category 1

Hazard Statement(s)

H225: Highly flammable liquid and vapor.
H226: Flammable liquid and vapor.
H301: Toxic if swallowed.
H311: Toxic in contact with skin.
H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H319: Causes serious eye irritation.
H320: Causes eye irritation.
H331: Toxic if inhaled.
H332: Harmful if inhaled.
H335: May cause respiratory irritation.
H350: May cause cancer.
H360: May damage fertility or the unborn child.
H370: Causes damage to organs.
H371: May cause damage to organs.
H372: Causes damage to organs through prolonged or repeated exposure.

Precautionary Statement(s)

P261: Avoid breathing vapors.
P264: Wash hands and exposed skin thoroughly after handling.
P272: Contaminated work clothing must not be allowed out of the workplace.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352: IF ON SKIN: Wash with plenty of water.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321: Specific treatment (see Medical Advice on this label).
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P337+P313: If eye irritation persists: Get medical advice/attention.
P363: Wash contaminated clothing before reuse.



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P501: Dispose of contents in accordance with local, state or national legislation.

Acronyms

ATE : Acute Toxicity Estimate

CAS : Chemical Abstracts Service

LTEL : Long term exposure limit

STEL : Short term exposure limit

STOT : Specific Target Organ Toxicity

Key literature references and sources for US CFR 1910.1200
data used to compile the SDS

Disclaimers

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