

BILDER'S CHOICE

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 07/02/2018

Revision date: 07/02/2018

Version: 3.0

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product name : BILDER'S CHOICE
Product code : RM12E4813

1.2. Recommended use and restrictions on use

Recommended use : Adhesives, sealants
Restrictions on use : Adhesives, sealants

1.3. Supplier

Ambient Bamboo Products, Inc
8125 Stayton Drive STE C
Jessup, MD 20794 USA
T 866-710-7070

1.4. Emergency telephone number

Emergency number : CHEMTREC: 800-424-9300

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

Respiratory sensitisation, Category 1	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin sensitisation, Category 1	H317	May cause an allergic skin reaction.
Specific target organ toxicity — Repeated exposure, Category 2	H373	May cause damage to organs through prolonged or repeated exposure.

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS-US labelling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) : Danger

Hazard statements (GHS-US) : H317 - May cause an allergic skin reaction.
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H373 - May cause damage to organs through prolonged or repeated exposure.

Precautionary statements (GHS-US) : P261 - Avoid breathing dust, fume, gas, mist, vapours, spray.
P264 - Wash hands, forearms, face and clothing thoroughly after handling.
P272 - Contaminated work clothing must not be allowed out of the workplace
P280 - Wear protective gloves, protective clothing, eye protection.
P270 - Do not eat, drink or smoke when using this product.
P302+P352 - If on skin: Wash with plenty of soap and water.
P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing
P314 - Get medical advice/attention if you feel unwell.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P342+P311 - If experiencing respiratory symptoms: Call a poison center or doctor
P363 - Wash contaminated clothing before reuse.
P262 - Do not get in eyes, on skin, or on clothing.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Comments : This product contains particulates (silica, calcium, pigments, etc.) that are blended into a liquid and pose no hazard as supplied. They may however be released if final product is cured and hardened then machined, such as; grinding, sanding, cutting, Etc.

Name	Product identifier	%	GHS-US classification
Calicum Carbonate	(CAS-No.) 1317-65-3	53 - 55	Carc. 1A, H350
4-4 methylenediphenyl diisocyanate	(CAS-No.) 101-68-8	< 5	Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Resp. Sens. 1, H334 Skin Sens. 1, H317 Carc. 2, H351 STOT SE 3, H335 STOT RE 2, H373
Methylenediphenyl diisocyanate, isomer mixture	(CAS-No.) 26447-40-5	< 3	Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Resp. Sens. 1, H334 Skin Sens. 1, H317 Carc. 2, H351 STOT SE 3, H335 STOT RE 2, H373
Silca, Amorphous Fused	(CAS-No.) 14808-60-7	< 1	Carc. 1A, H350 STOT RE 2, H373

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person.
First-aid measures after inhalation : Remove the victim into fresh air.
First-aid measures after skin contact : Gently wash with plenty of soap and water.
First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects : Skin rash/inflammation.
Symptoms/effects after skin contact : May cause an allergic skin reaction.
Symptoms/effects after eye contact : Causes serious eye irritation.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Specific hazards arising from the chemical

Reactivity : The product is non-reactive under normal conditions of use, storage and transport.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Do not handle until all safety precautions have been read and understood. Avoid contact with skin and eyes. Absorb spillage to prevent material damage. Clean up any spills as soon as possible, using an absorbent material to collect it.

6.1.1. For non-emergency personnel

- Protective equipment
- Avoid contact with skin and eyes; wear chemical protective clothing, eye protection and chemical resistant gloves.
- Emergency procedures
- Ventilate spillage area. Do not breathe dust, fume, mist, spray, vapours. Avoid contact with skin and eyes. Avoid contact with skin, eyes and clothing. Do not breathe vapours.

6.1.2. For emergency responders

- Protective equipment
- Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up
- Take up liquid spill into absorbent material.
- Other information
- Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling
- Ensure appropriate good ventilation of the work station is established prior to use to maintain exposure levels (airborne; particulates, dust, fume, vapor,ect.) below exposure limits. Do not breathe dust, fume, mist, spray, vapours. Avoid contact with skin and eyes. Wear personal protective equipment.
- Hygiene measures
- Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions
- Store in a well-ventilated place. Keep cool.
- Maximum storage period
- 6 months
- Storage temperature
- 25 °C

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

4-4 methylenediphenyl diisocyanate (101-68-8)		
ACGIH	Local name	Methylene bisphenyl isocyanate (MDI)
ACGIH	ACGIH TWA (ppm)	0.005 ppm
ACGIH	Remark (ACGIH)	Resp sens
OSHA	OSHA PEL (Ceiling) (mg/m³)	0.2 mg/m³
OSHA	OSHA PEL (Ceiling) (ppm)	0.02 ppm
Methylenediphenyl diisocyanate, isomer mixture (26447-40-5)		
Not applicable		
Calcium Carbonate (1317-65-3)		
Not applicable		
Silca, Amorphous Fused (14808-60-7)		
ACGIH	ACGIH TWA (mg/m³)	0.025 mg/m³ (Respirable fraction)
OSHA	Remark (OSHA)	(3) See Table Z-3.

8.2. Appropriate engineering controls

- Appropriate engineering controls
- Ensure appropriate good ventilation of the work station is established prior to use to maintain exposure levels (airborne; particulates, dust, fume, vapor,ect.) below exposure limits.
- Environmental exposure controls
- Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Gloves. Safety glasses. Protective clothing.

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.

Personal protective equipment symbol(s):



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Mixture contains one or more component(s) which have the following colour(s): Colourless White or colourless Colourless or white Colourless to off-white White Colourless to white Colourless to light yellow White to light yellow
Odour	: There may be no odour warning properties, odour is subjective and inadequate to warn of overexposure. Mixture contains one or more component(s) which have the following odour: Almost odourless Characteristic odour Mild odour Tallow odour Odourless Sharp smell Unpleasant odour Petroleum-like odour Aromatic odour Stuffy odour
Odour threshold	: No data available
pH	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: > 200 °C
Flash point	: > 93 °C
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: Not applicable.
Vapour pressure	: < 0.0001 mm Hg
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1.6 g/l
Solubility	: No data available
Log Pow	: No data available
Auto-ignition temperature	: > 470 °C
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 45000 - 60000 cP
Explosive limits	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

4-4 methylenediphenyl diisocyanate (101-68-8)	
LD50 oral rat	> 7616 mg/kg (Equivalent or similar to OECD 401, Rat, Female, Read-across)
LD50 dermal rabbit	> 9400 mg/kg bodyweight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male/female, Read-across)
LC50 inhalation rat (mg/l)	0.49 mg/l air (Equivalent or similar to OECD 403, 4 h, Rat, Male/female, Read-across)
ATE US (gases)	4500 ppmv/4h
ATE US (vapours)	11 mg/l/4h
ATE US (dust,mist)	1.5 mg/l/4h

Methylenediphenyl diisocyanate, isomer mixture (26447-40-5)	
LD50 oral rat	> 2000 mg/kg bodyweight (Other, Rat, Male/female, Experimental value)
LD50 dermal rabbit	> 9400 mg/kg bodyweight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male/female, Read-across)
LC50 inhalation rat (mg/l)	0.49 mg/l air (Equivalent or similar to OECD 403, 4 h, Rat, Male/female, Read-across)
ATE US (gases)	4500 ppmv/4h
ATE US (vapours)	11 mg/l/4h
ATE US (dust,mist)	1.5 mg/l/4h

Calicum Carbonate (1317-65-3)	
LD50 oral rat	6450 mg/kg (Rat, Literature study)
ATE US (oral)	6450 mg/kg bodyweight

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Not classified
Respiratory or skin sensitisation : May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified

Silca, Amorphous Fused (14808-60-7)	
IARC group	1 - Carcinogenic to humans
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified

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4-4 methylenediphenyl diisocyanate (101-68-8)	
STOT-single exposure	May cause respiratory irritation.

Methylenediphenyl diisocyanate, isomer mixture (26447-40-5)	
STOT-single exposure	May cause respiratory irritation.

STOT-repeated exposure : May cause damage to organs through prolonged or repeated exposure.

4-4 methylenediphenyl diisocyanate (101-68-8)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

Methylenediphenyl diisocyanate, isomer mixture (26447-40-5)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

Silca, Amorphous Fused (14808-60-7)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard : Not classified
Viscosity, kinematic : No data available
Symptoms/effects : Skin rash/inflammation.
Symptoms/effects after skin contact : May cause an allergic skin reaction.
Symptoms/effects after eye contact : Causes serious eye irritation.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

4-4 methylenediphenyl diisocyanate (101-68-8)	
LC50 fish 1	> 1000 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Danio rerio, Static system, Fresh water, Read-across)
EC50 Daphnia 1	129.7 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 24 h, Daphnia magna, Static system, Fresh water, Read-across)

Methylenediphenyl diisocyanate, isomer mixture (26447-40-5)	
LC50 fish 1	> 1000 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Brachydanio rerio, Static system, Fresh water, Read-across)
EC50 Daphnia 1	> 1000 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 24 h, Daphnia magna, Static system, Fresh water, Read-across)

Calicum Carbonate (1317-65-3)	
LC50 fish 1	> 10000 mg/l (96 h, Oncorhynchus mykiss, Literature)
EC50 Daphnia 1	> 1000 mg/l (48 h, Daphnia magna, Literature)

12.2. Persistence and degradability

4-4 methylenediphenyl diisocyanate (101-68-8)	
Persistence and degradability	Not readily biodegradable in water.

Methylenediphenyl diisocyanate, isomer mixture (26447-40-5)	
Persistence and degradability	Contains non readily biodegradable component(s).

Calicum Carbonate (1317-65-3)	
Persistence and degradability	Biodegradability: not applicable.
Biochemical oxygen demand (BOD)	Not applicable (inorganic)
Chemical oxygen demand (COD)	Not applicable (inorganic)
ThOD	Not applicable (inorganic)

Silca, Amorphous Fused (14808-60-7)	
Persistence and degradability	Biodegradability: not applicable.
Biochemical oxygen demand (BOD)	Not applicable (inorganic)
Chemical oxygen demand (COD)	Not applicable (inorganic)

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Silca, Amorphous Fused (14808-60-7)	
ThOD	Not applicable (inorganic)

12.3. Bioaccumulative potential

4-4 methylenediphenyl diisocyanate (101-68-8)	
BCF fish 1	92 - 200 (OECD 305: Bioconcentration: Flow-Through Fish Test, 4 week(s), Cyprinus carpio, Flow-through system, Fresh water, Experimental value, GLP)
Log Pow	5.22 (Estimated value)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

Methylenediphenyl diisocyanate, isomer mixture (26447-40-5)	
BCF fish 1	92 (OECD 305: Bioconcentration: Flow-Through Fish Test, 28 day(s), Cyprinus carpio, Flow-through system, Fresh water, Read-across, GLP)
Log Pow	4.51 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 22 °C)
Bioaccumulative potential	Does not contain bioaccumulative component(s).

Calicum Carbonate (1317-65-3)	
Bioaccumulative potential	Bioaccumulation: not applicable.

Silca, Amorphous Fused (14808-60-7)	
Bioaccumulative potential	No bioaccumulation data available.

12.4. Mobility in soil

4-4 methylenediphenyl diisocyanate (101-68-8)	
Surface tension	Data waiving
Ecology - soil	No (test)data on mobility of the substance available.

Methylenediphenyl diisocyanate, isomer mixture (26447-40-5)	
Ecology - soil	No (test)data on mobility of the components available.

Calicum Carbonate (1317-65-3)	
Ecology - soil	No (test)data on mobility of the substance available.

Silca, Amorphous Fused (14808-60-7)	
Ecology - soil	Low potential for mobility in soil.

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not regulated

Transportation of Dangerous Goods

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

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SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

4-4 methylenediphenyl diisocyanate	CAS-No. 101-68-8	< 5%
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4-4 methylenediphenyl diisocyanate (101-68-8)	
Listed on EPA Hazardous Air Pollutant (HAPS)	
Listed on EPA Hazardous Air Pollutant (HAPS)	
CERCLA RQ	5000 lb

International regulations

CANADA WHMIS D-2B

4-4 methylenediphenyl diisocyanate (101-68-8)	
Listed on the Canadian DSL (Domestic Substances List)	
Methylenediphenyl diisocyanate, isomer mixture (26447-40-5)	
Listed on the Canadian DSL (Domestic Substances List)	
Calicum Carbonate (1317-65-3)	
Listed on the Canadian NDSL (Non-Domestic Substances List)	
Silca, Amorphous Fused (14808-60-7)	
Listed on the Canadian DSL (Domestic Substances List)	

EU-Regulations

No additional information available

National regulations

Silca, Amorphous Fused (14808-60-7)	
Listed on IARC (International Agency for Research on Cancer)	

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

Component	State or local regulations
Calicum Carbonate(1317-65-3)	U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List
Silca, Amorphous Fused(14808-60-7)	U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List
4-4 methylenediphenyl diisocyanate(101-68-8)	U.S. - New Jersey - Right to Know Hazardous Substance List
Methylenediphenyl diisocyanate, isomer mixture(26447-40-5)	

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date : 07/02/2018

Full text of H-statements:

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H350	May cause cancer.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.

Hazard Rating

- Health

: 2 Moderate Hazard - Temporary or minor injury may occur
- Flammability

: 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIB)
- Physical

: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.
- Personal protection

: C
C - Safety glasses, Gloves, Synthetic apron

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product