



Safety Data Sheet
according to Regulation (EC)
No. 2015/830



SECTION 1: Identification of the Substance/Mixture and the Company/Undertaking

1.1 Product Identifier	6323/POL	Revision Date:	23/05/2018
Product Name:	GS6 SILVER GRAY POLYOL	Supersedes Date:	22/05/2018

1.2 Relevant identified uses of the substance or mixture and uses advised against Base component of 2 components coating - Industrial use.

1.3 Details of the supplier of the safety data sheet

Importer: StonCor Europe
 9, Rue du Travail - 1400 Nivelles, Belgium

Manufacturer: Stonhard, Division of StonCor Group, Inc.
 1000 East Park Avenue
 Maple Shade, NJ 08052

+1 856 7797500 (US)

Regulatory / Technical Information:
 +32 67493710 Nivelles, Belgium

Datasheet Produced by: ehs@stonhard.com

1.4 Emergency telephone number: CHEMTREC +1 703 5273887 (Outside US)

SECTION 2: Hazard Identification

2.1 Classification of the substance or mixture

Classification according to Classification, Labeling & Packaging Regulation (EC) 1272/2008

HAZARD STATEMENTS

Flammable Liquid, category 3	H226
Germ Cell Mutagenicity, category 1B	H340-1B
Carcinogenicity, category 1B	H350-1B

2.2 Label elements

Symbol(s) of Product



Signal Word

Danger

Named Chemicals on Label

Solvent naphtha (petroleum), light arom.

HAZARD STATEMENTS

Flammable Liquid, category 3	H226	Flammable liquid and vapour.
Germ Cell Mutagenicity, category 1B	H340-1B	May cause genetic defects.
Carcinogenicity, category 1B	H350-1B	May cause cancer.

PRECAUTION PHRASES

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.
P284	Wear respiratory protection.
P308+313	IF exposed or concerned: Get medical advice/attention.
P403+233	Store in a well-ventilated place. Keep container tightly closed.

2.3 Other hazards

No Information

Results of PBT and vPvB assessment:

No information

SECTION 3: Composition/Information On Ingredients

3.2 Mixtures

Hazardous Ingredients

<u>CAS-No.</u>	<u>EINEC No.</u>	<u>Name According to EEC</u>	<u>%</u>
13463-67-7	236-675-5	titanium dioxide	10-25
108-65-6	203-603-9	2-methoxy-1-methylethyl-acetate	2.5-10
763-69-9	212-112-9	ethyl 3-ethoxypropionate	2.5-10
112926-00-8		hydrated, amorphous silica	1.0-2.5
123-54-6	204-634-0	Pentane-2,4-dione	1.0-2.5
7631-86-9	231-545-4	silicon dioxide (amorphous)	1.0-2.5
108-83-8	203-620-1	2,6-dimethylheptan-4-one	0.1-1.0
21645-51-2	244-492-7	alumina trihydrate	0.1-1.0
64742-95-6	265-199-0	Solvent naphtha (petroleum), light arom.	0.1-1.0
123-86-4	204-658-1	n-butyl acetate	0.1-1.0

<u>CAS-No.</u>	<u>REACH Reg No.</u>	<u>CLP Symbols</u>	<u>CLP Hazard Statements</u>	<u>M-Factors</u>
13463-67-7	01-2119489379-17			
108-65-6		GHS02	H226	
763-69-9		GHS02-GHS07	H226-335	
112926-00-8				

123-54-6		GHS02-GHS06	H226-301-331
7631-86-9	01-2119379499-16		
108-83-8		GHS02-GHS06	H226-331-335-336
21645-51-2	01-2119529246-39		
64742-95-6		GHS07-GHS08	H304-335-336-340-350
123-86-4		GHS02-GHS07	H225-336

Additional Information: The text for CLP Hazard Statements shown above (if any) is given in Section 16.

SECTION 4: First-aid Measures

4.1 Description of First Aid Measures

GENERAL NOTES: No Information

AFTER INHALATION: Move to fresh air. Keep respiratory tract clear.

AFTER SKIN CONTACT: Use a mild soap if available. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

AFTER EYE CONTACT: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses.

AFTER INGESTION: Gently wipe or rinse the inside of the mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

Self protection of the first aider:

No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

4.2 Most important symptoms and effects, both acute and delayed

Harmful in contact with skin and if swallowed. May cause long-term adverse effects in the aquatic environment.

4.3 Indication of any immediate medical attention and special treatment needed

No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

SECTION 5: Fire-fighting Measures

5.1 Extinguishing Media:

Carbon Dioxide, Dry Chemical, Foam

FOR SAFETY REASONS NOT TO BE USED: Alcohol, Alcohol based solutions, any other media not listed above.

5.2 Special hazards arising from the substance or mixture

Flammable.

5.3 Advice for firefighters

Flash back possible over considerable distance. In the event of fire, wear self-contained breathing apparatus. Water mist/Dry powder/Foam/Carbon dioxide (CO₂)/High volume water jet. Do not use a solid water stream as it may scatter and spread fire. Hazardous decomposition products formed under fire conditions.

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Use personal protective equipment. Remove all sources of ignition.

6.2 Environmental precautions

Do not allow material to contaminate ground water system. Prevent product from entering drains.

6.3 Methods and material for containment and cleaning up

Prevent further leakage or spillage if safe to do so. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

6.4 Reference to other sections

FURTHER INSTRUCTIONS: Please refer to EU disposal requirements or country specific disposal requirements for this material. See Section 13 for further information.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Electrical equipment should be protected to the appropriate standard. Use only in area provided with appropriate exhaust ventilation. Provide exhaust ventilation close to floor level. Wear personal protective equipment. Keep working clothes separately. Keep away from food, drink and animal feedingstuffs. When using, do not eat, drink or smoke. Handle in accordance with good industrial hygiene and safety practice for diagnostics.

7.2 Conditions for safe storage, including any incompatibilities

CONDITIONS TO AVOID: Direct sources of heat.

STORAGE CONDITIONS: Keep in an area equipped with solvent resistant flooring. Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight.

7.3 Specific end use(s)

No specific advice for end use available.

SECTION 8: Exposure Controls/Personal Protection

8.1 Control parameters

Ingredients with Occupational Exposure Limits (IR)

<u>Name</u>	<u>CAS-No.</u>	<u>LTEL ppm</u>	<u>STEL ppm</u>	<u>STEL mg/m3</u>	<u>LTEL mg/m3</u>
titanium dioxide	13463-67-7				4, 10
2-methoxy-1-methylethyl-acetate	108-65-6	50	100	550	275
ethyl 3-ethoxypropionate	763-69-9				
hydrated, amorphous silica	112926-00-8				
Pentane-2,4-dione	123-54-6				25
silicon dioxide (amorphous)	7631-86-9				
2,6-dimethylheptan-4-one	108-83-8	25			150
alumina trihydrate	21645-51-2				
Solvent naphtha (petroleum), light arom.	64742-95-6				
n-butyl acetate	123-86-4	150	200	950	710

FURTHER ADVICE: Refer to the regulatory exposure limits for the workforce enforced in each country. Some components may not have been classified under the EU CLP Regulation.

8.2 Exposure controls

Personal Protection

RESPIRATORY PROTECTION: Respirator with filter for organic vapor.

EYE PROTECTION: Ensure that eyewash stations and safety showers are close to the workstation location. Safety glasses. Safety goggles.

HAND PROTECTION: Solvent-resistant gloves. Follow the skin protection plan. Remove and wash contaminated clothing before re-use. Flame retardant antistatic protective clothing

OTHER PROTECTIVE EQUIPMENT: No Information

ENGINEERING CONTROLS: Avoid contact with skin, eyes and clothing. Ensure adequate ventilation, especially in confined areas.

Chemical Name:

titanium dioxide

EC No.:

236-675-5

CAS-No.:

13463-67-7

DNELs - Derived no effect level

Route of Exposure	Workers				Consumers			
	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic	Acute effect local	Acute effects systemic	Chronic effects local	Chronic effects systemic
Oral	Not required							
Inhalation			10					
Dermal					700 mg/kg/d			

PNEC's - Predicted no effect concentration

Environmental protection target	PNEC
Fresh water	0.127
Fresh water sediments	1000
Marine water	1
Marine sediments	100
Food chain	1667
Microorganisms in sewage treatment	100 mg/l
soil (agricultural)	100
Air	

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties	
Appearance:	SILVER RESIN
Physical State	Liquid
Odor	ESTER-LIKE ODOR
Odor threshold	Not determined
pH	Non-aqueous
Melting point / freezing point (°C)	Not determined
Boiling point/range (°C)	80 - N.D.
Flash Point, (°C)	45
Evaporation rate	Not determined
Flammability (solid, gas)	Not determined
Upper/lower flammability or explosive limits	N/A - N/A
Vapour Pressure	<1 mmHg
Vapour density	Not determined
Relative density	Not determined
Solubility in / Miscibility with water	Slight
Partition coefficient: n-octanol/water	Not determined
Auto-ignition temperature (°C)	Not determined
Decomposition temperature (°C)	Not determined
Viscosity	Thixotropic
Explosive properties	

	Not determined
Oxidising properties	Not determined

9.2 Other information

VOC Content g/l:	0
Grams of VOC per liter of coating product as applied (mixture of Part A and Part B) per ASTM D2369 Method E.	
Specific Gravity (g/cm ³)	1.369

SECTION 10: Stability and Reactivity

10.1 Reactivity

No reactivity hazards known under normal storage and use conditions. Explosive reaction may occur on heating or burning.

10.2 Chemical stability

Stable under recommended storage conditions. Risk of ignition.

10.3 Possibility of hazardous reactions

Hazardous polymerisation does not occur.

10.4 Conditions to avoid

Direct sources of heat.

10.5 Incompatible materials

Do not store together with oxidizing and self-igniting products. Strong oxidizing agents.

10.6 Hazardous decomposition products

Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke.

SECTION 11: Toxicological Information

11.1 Information on toxicological effects**Acute Toxicity:**

Oral LD50:	No Information
Inhalation LC50:	No Information

Irritation: No information available.

Corrosivity: No information available.

Sensitization: No information available.

Repeated dose toxicity: No information available.

Carcinogenicity: No information available.

Mutagenicity: No information available.

Toxicity for reproduction: No information available.

STOT-single exposure: No information available.

STOT-repeated exposure: No information available.

Aspiration hazard: No information available.

If no information is available above under Acute Toxicity then the acute effects of this product have not been tested.
Data on individual components are tabulated below:

<u>CAS-No.</u>	<u>Name According to EEC</u>	<u>Oral LD50</u>	<u>Dermal LD50</u>	<u>Vapor LC50</u>
13463-67-7	titanium dioxide	10000 mg/kg, oral (rat)		
108-65-6	2-methoxy-1-methylethyl-acetate	5155 mg/kg, oral (rat)	>5000 mg/kg	1105 mg/m ³ /4H
763-69-9	ethyl 3-ethoxypropionate	3200 mg/kg Rat, oral		>998 ppm 6 h rat
123-54-6	Pentane-2,4-dione	55 mg/kg oral, rat		10 mg/24 hours rabbit
7631-86-9	silicon dioxide (amorphous)	3,160 mg/kg, rat		58.8 mg/l, 4hr, rat
108-83-8	2,6-dimethylheptan-4-one	3200 mg/kg, oral, rat	16,000 mg/kg, rabbit	1979 ppm / 6 hrs, rat, inhalation
64742-95-6	Solvent naphtha (petroleum), light arom.	4700 mg/kg, oral, rat	>3480 mg/kg, rabbit	3670 ppm/4 hours, rat, inhalation
123-86-4	n-butyl acetate	10760 mg/kg, rat, oral	>5000 mg/kg (rabbit)	23.4 mg/l/4/h (rat)

Additional Information:

This product may contain Titanium Dioxide, which is listed by IARC as possibly carcinogenic to humans (Group 2B). This listing is based on inadequate evidence of carcinogenicity in humans and sufficient evidence in experimental animals. This classification is relevant when exposed to titanium dioxide in dust or powder form only, including cured product that is subject to sanding, grinding, cutting, or other surface preparation activities.

SECTION 12: Ecological Information

12.1 Toxicity:

EC50 48hr (Daphnia):	No information
IC50 72hr (Algae):	No information
LC50 96hr (fish):	No information

12.2 Persistence and degradability: No information

12.3 Bioaccumulative potential: No information

12.4 Mobility in soil: No information

12.5 Results of PBT and vPvB assessment: No information

12.6 Other adverse effects: No information

<u>CAS-No.</u>	<u>Name According to EEC</u>	<u>EC50 48hr</u>	<u>IC50 72hr</u>	<u>LC50 96hr</u>
13463-67-7	titanium dioxide	>100 mg/l (EC50, 48h, Daphnia magna OECD202)ation	No information	>1000 mg/l
108-65-6	2-methoxy-1-methylethyl-acetate	No information	No information	
763-69-9	ethyl 3-ethoxypropionate	479.7 mg/l	No information	55.3 mg/l
112926-00-8	hydrated, amorphous silica	No information	No information	
123-54-6	Pentane-2,4-dione	No information	No information	
7631-86-9	silicon dioxide (amorphous)	No information	No information	
108-83-8	2,6-dimethylheptan-4-one	No information	No information	
21645-51-2	alumina trihydrate	No information	No information	
64742-95-6	Solvent naphtha (petroleum), light arom.	>1 - 10 mg/l	>1 - 10 mg/l	>10-100 mg/l
123-86-4	n-butyl acetate	No information	No information	

SECTION 13: Disposal Considerations

- 13.1 WASTE TREATMENT METHODS:** Do not burn, or use a cutting torch on, the empty drum. Dispose of as hazardous waste in compliance with local and national regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.

European Waste Code: 080111
Packaging Waste Code: 150110

SECTION 14: Transport Information

- | | |
|--|---|
| 14.1 UN number | UN1993 |
| 14.2 UN proper shipping name | FLAMMABLE LIQUID, N.O.S. |
| Technical name | (CONTAINS AROMATIC HYDROCARBONS, N-BUTYL ACETATE) |
| 14.3 Transport hazard class(es) | 3 |
| Subsidiary shipping hazard | Not applicable |
| 14.4 Packing group | III |
| 14.5 Environmental hazards | Not applicable |
| 14.6 Special precautions for user | Not applicable |
| EmS-No.: | F-E, <u>S-E</u> |
| 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code | Not applicable |

SECTION 15: Regulatory Information

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

National Regulations:

Denmark Product Registration Number:	1958414
Danish MAL Code:	1-1 (1993)
Danish MAL Code - Mixture:	Not available
Sweden Product Registration Number:	Not available
Norway Product Registration Number:	Not available
Germany WGK Class:	Not available

Covered by Directive 2012/18/EC (Seveso III): Not applicable

Restrictions to product or to substances according to Annex XVII, Regulation (CE) 1907/2006: Not applicable

- 15.2 Chemical Safety Assessment:**

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: Other Information

Text for CLP Hazard Statements shown in Section 3 describing each ingredient:

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H304	May be fatal if swallowed and enters airways.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H340	May cause genetic defects.
H350	May cause cancer.

Reasons for revision

This Safety Data Sheet (SDS) has been revised to meet updated national hazard communication standards which have adopted the provisions of the UN GHS system. There have been both formatting and content changes based on the GHS classification (if applicable), Please review each section of the SDS for specific changes. This Safety Data Sheet (SDS) has been revised to meet the new EU CLP requirements. There have been both formatting and content changes based on the CLP classification (if applicable), please review each section of the SDS for specific changes.

List of References:

This Safety Data Sheet was compiled with data and information from the following sources:

The Ariel Regulatory Database provided by the 3E Corporation in Copenhagen, Denmark;
 European Union Commission Regulation No. 1907/2006 on REACH as amended within Commission Regulation (EU) 2015/830;
 European Union (EC) Regulation No. 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation) and subsequent technical progress adaptations (ATP);
 EU Council Decision 2000/532/EC and its Annex entitled "List of Wastes".

Acronym & Abbreviation Key:

CLP	Classification, Labeling & Packaging Regulation
EC	European Commission
EU	European Union
US	United States
CAS	Chemical Abstract Service
EINECS	European Inventory of Existing Chemical Substances
REACH	Registration, Evaluation, Authorization of Chemicals Regulation
GHS	Globally Harmonized System of Classification and Labeling of Chemicals
LTEL	Long term exposure limit
STEL	Short term exposure limit
OEL	Occupational exposure limit
ppm	Parts per million
mg/m ³	Milligrams per cubic meter
TLV	Threshold Limit Value
ACGIH	American Conference of Governmental Industrial Hygienists
OSHA	Occupational Safety & Health Administration
PEL	Permissible Exposure Limits
VOC	Volatile organic compounds
g/l	Grams per liter
mg/kg	Milligrams per kilogram
N/A	Not applicable
LD50	Lethal dose at 50%
LC50	Lethal concentration at 50%
EC50	Half maximal effective concentration

IC50	Half maximal inhibitory concentration
PBT	Persistent bioaccumulative toxic chemical
vPvB	Very persistent and very bioaccumulative
EEC	European Economic Community
ADR	International Transport of Dangerous Goods by Road
RID	International Transport of Dangerous Goods by Rail
UN	United Nations
IMDG	International Maritime Dangerous Goods Code
IATA	International Air Transport Association
MARPOL	International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978
IBC	International Bulk Container
RTI	Respiratory Tract Irritation
NE	Narcotic Effects

For further information, please contact: Technical Services Department

The information on this sheet corresponds to our present knowledge. It is not a specification and it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage, and use of the product. It is not applicable to unusual or non-standard uses of the product or where instructions and recommendations are not followed.