SAFETY DATA SHEET

OLIVALS
GATE VALVE SEALANT 2 (GVS 2)

Revision Date: 8-Jan-2020 Revision Number: 2

1. Identification of the hazardous chemical and of the supplier

Product identifier

Product Name: OLIVALS GATE VALVE SEALANT 2

Other means of identification

Product Code: GVS2

Recommended use of the chemical and restriction on use

Recommended Use: Gate Valve Sealant

Supplier details

OLIVALS Sdn Bhd (843103-T)
C-7-1 Block C, Melawati
Corporate Centre, Jalan
Bandar Melawati, Taman
Melawati, 53100 Kuala
Lumpur, Malaysia

Phone Number: +603 4108 3371
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For further information, please contact

E-Mail address: enquiry@olivals.com

Emergency phone number

+603 4108 3371

2. Hazard Identification

Classification of the hazardous chemical
Eyes: Possible irritation with repeated or prolonged contact
Inhalation: Exposure to mist or spray may cause coughing, ingestion

Label Elements

Hazard Pictograms

Signal Word	**Warning**
Hazard Statements	H315 – Causes skin irritation H319 – Causes serious eye irritation
Precautionary Statements	
Prevention	P264 - Wash face, hands and any exposed skin thoroughly after handling P280 - Wear eye protection/face protection
Response	P302 + P352 - IF ON SKIN: Wash with plenty of soap and water P332 + P313 - If skin irritation occurs: Get medical advice/attention P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P362 - Take off contaminated clothing and wash before reuse P337 + P313 - If eye irritation persists: Get medical advice/attention
Storage	P403+235 - Store in cool/well-ventilated place P405 - Store locked up
Disposal	P501 - Dispose of contents/container to in compliance with federal regulations

Other hazards which do not result in classification

None known

3. Composition and information on ingredients of the hazardous chemical

Contains

Substances	Weight,%	Cas Number	OSHA PEL	ACGIH TLV
Silica, Amorphous	1.0 - 5.0	7631-86-9	6mg/m³	3mg/m³ TWA

4. First-aid measures

Description of first aid measures

Inhalation	Not Applicable
Eyes	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists
Skin	Wash with soap and water. Get medical attention if irritation persists
Ingestion	If swallowed, do not induce vomiting. Give plenty glasses of water to drink; never give anything to an unconscious person. Get medical attention

Most important symptoms and effects, both acute and delayed

May cause eye irritation

Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically

5. Fire-fighting measures

Suitable Extinguishing Media

All Standard firefighting media

Extinguishing media which must not be used for safety reasons

None known

Physicochemical hazards arising from the chemical

Special Exposure Hazards

Decomposition in fire may produce toxic gases

Special protective equipment and precautions for fire fighters

Special Protective Equipment for Fire-Fighters

Full protective clothing and approved self-contained breathing apparatus required for firefighting personnel

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Use appropriate protective equipment. See Section 8 for additional information

Environmental precautions

Prevent from entering sewers, waterways, or low areas

Methods and material for containment and cleaning up

Isolate spill and stop leak where safe. Contain spill with sand or other inert materials. Scoop up and remove

7. Handling and Storage

Precautions for safe handling
Avoid contact with eyes, skin, or clothing. Avoid breathing vapors

Hygiene Measures
Handle in accordance with good industrial hygiene and safety practice

Conditions for safe storage, including any incompatibilities
Store away from oxidizers. Store in a cool well ventilated area. Keep container closed when not in use. Product has a shelf life of 24 months

8. Exposure controls and personal protection

Control parameters
Exposure Limits

Substances	CAS Number	Malaysia OEL	ACGIH TLV-TWA
Silica, Amorphous	7631-86-9	Not applicable	3mg/m³ TWA

Appropriate engineering controls

Engineering Controls Use in a well ventilated area

Individual protection measures, such as personal protective equipment

Respiratory Protection If engineering controls and work practices cannot keep exposure below occupational exposure limits or if exposure is unknown, wear a NIOSH certified, European Standard EN 149, AS/NZS 1715:2009, or equivalent respirator when using this product. Selection of and instruction on using all personal protective equipment, including respirators, should be performed by an Industrial Hygienist or other qualified professional.
Ammonia respirator with a dust/mist filter.

Hand Protection Chemical-resistant protective gloves (EN 374) Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as perEN 374): Nitrile gloves. (>= 0.4 mm thickness)
This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances.
Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the gloves should be replaced. Manufacturer's directions for use should be observed because of great diversity of types.

Skin Protection Not normally necessary

Eye Protection	Chemical goggles; also wear a face shield if splashing hazard exists
Other Precautions	Eyewash fountains and safety showers must be easily accessible
Environmental Exposure Controls	No information available

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical State:	Paste	**Color:**	White
Odor:	Mild	**Odor Threshold:**	No information available

Property Remarks / Method	Values
pH:	
Freezing Point / Range	No data available
Melting Point / Range	No data available
Boiling Point / Range	No data available
Flash Point	500°F (260°C)
Evaporation rate	No data available
Vapor Pressure	No data available
Vapor Density	No data available
Specific Gravity	0.988
Water Solubility	No data available
Solubility in other solvent	<1
Partition coefficient: n-octanol/water	No data available
Auto ignition Temperature	No data available
Decomposition Temperature	No data available
Viscosity	No data available
Explosive Properties	No data available
Oxidizing Properties	No data available

Other information

Dropping Point	> 500°F (260°C)

10. Stability and reactivity

Reactivity
Not applicable

Chemical stability
Stable

Possibility of hazardous reactions
Will not occur

Conditions to avoid
None anticipated

Incompatible materials
Strong oxidizers

Hazardous decomposition products
Oxides of nitrogen. Ammonia. Hydrogen cyanide. Carbon monoxide and carbon dioxide

11. Toxicological information

Information on possible routes of exposure
Principle Route of Exposure Eye or skin contact, inhalation

Symptoms related to exposure
Most Important Symptoms/Effects
May cause eye irritation

Numerical measures of toxicity

Toxicology data for the components

Substances	CAS Number	LD50 Oral	LD50 Dermal	LC50 Inhalation
Silica, Amorphous	7631-86-9	No data available	No data available	No data available

Immediate, delayed and chronic health effects from exposure

Inhalation	May cause respiratory irritation. May cause central nervous system depression including headache, dizziness, drowsiness, incoordination, slowed reaction time, slurred speech, giddiness and unconsciousness
Eye Contact	Causes moderate eye irritation
Skin Contact	Causes moderate skin irritation
Ingestion	May cause central nervous system depression including headache, dizziness, drowsiness, muscular weakness, incoordination, slowed reaction time, fatigue blurred vision, slurred speech, giddiness, tremors and convulsions
Chronic Effects/Carcinogenicity	No data available to indicate product or components present at greater than 1% are chronic health hazards

Exposure Levels
No data available

Interactive effects
None known

Data limitations
No data available

Substances	CAS Number	Skin corrosion / irritation
Silica, Amorphous	7631-86-9	Causes moderate skin irritation

Substances	CAS Number	Eye damage/irritation
Silica, Amorphous	7631-86-9	Causes moderate eye irritation

Substances	CAS Number	Skin Sensitization
Silica, Amorphous	7631-86-9	Did not cause sensitization on laboratory animals (mouse) (similar substances)

Substances	CAS Number	Respiratory Sensitization
Silica, Amorphous	7631-86-9	No information available

Substances	CAS Number	Mutagenic Effects
Silica, Amorphous	7631-86-9	In vitro tests did not show mutagenic effects (similar substances)

Substances	CAS Number	Carcinogenic Effects
Silica, Amorphous	7631-86-9	No information available

Substances	CAS Number	Reproductive toxicity
Silica, Amorphous	7631-86-9	No information available

Substances	CAS Number	STOT - single exposure
Silica, Amorphous	7631-86-9	No information available

Substances	CAS Number	STOT - repeated exposure
Silica, Amorphous	7631-86-9	No information available

Substances	CAS Number	Aspiration hazard
Silica, Amorphous	7631-86-9	No information available

12. Ecological information

Ecotoxicity
12.1 Toxicity
Ecotoxicity Effects

Substances	CAS Number	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Toxicity to Invertebrates
Silica, Amorphous	7631-86-9	No information	No information	No information	No information

		available	available	available	available

Persistence and degradability
Not readily biodegradable

Substances	CAS Number	Persistence and Degradability
Silica, Amorphous	7631-86-9	No information available

Bioaccumulative potential

Substances	CAS Number	Log Pow
Silica, Amorphous	7631-86-9	No information available

Mobility in soil
No information available

Other adverse effects
Endocrine Disruptor Information
This product does not contain any known or suspected endocrine disruptors

13. Disposal considerations

Disposal Method

Disposal Method	Disposal should be made in accordance with federal, state, and local regulations
Contaminated Packaging	Follow all applicable national or local regulations

14. Transportation information

LAND TRANSPORT (US DOT):
DOT Proper Shipping Name: Not dangerous goods
DOT Hazard Class:
UN/NA Number:

LAND TRANSPORT (Canadian TDG):
TDG Shipping Name: No information available

LAND TRANSPORT (European ADR/RID):
ADR/RID Shipping Name: No information available
UN Number:
Hazard Class:

MARINE TRANSPORT (IMDG/IMO):
IMDG/IMO Shipping Name: Not dangerous goods

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name:	Not dangerous goods

15. Regulatory information

International agreement

Montreal Protocol - Ozone Depleting Substances:	Does not apply
Stolkhom Convention - Persistent Organic Pollutants:	Does not apply
Rotterdam Convention - Prior Informed Consent:	Does not apply
Basel Convention - Hazardous Waste:	Does not apply

Safety, health, and environmental regulations specific for the hazardous chemical

Malaysia Occupation Safety and Health - Prohibition of Use Substances:	Does not apply
Malaysia Substances Requiring Medical Surveillance:	Does not apply
Malaysia Environmentally Hazardous Substances (EHS):	One or more components listed

16. Other information

Revision Date:
Revision Note

Key literature references and sources for data
www.ChemADVISOR.com/

Key or legend to abbreviations and acronyms
bw – body weight
CAS – Chemical Abstracts Service
CLP – REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on Classification, Labelling and Packaging of substances and mixtures
EC – European Commission
EC10 – Effective Concentration 10%
EC50 – Effective Concentration 50%
EEC – European Economic Community
ErC50 – Effective Concentration growth rate 50%
IBC Code – International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
LC50 – Lethal Concentration 50%
LD50 – Lethal Dose 50%
LL0 – Lethal Loading 0%
LL50 – Lethal Loading 50%
MARPOL – International Convention for the Prevention of Pollution from Ships
mg/kg – milligram/kilogram
mg/L – milligram/liter
NIOSH – National Institute for Occupational Safety and Health
NOEC – No Observed Effect Concentration
NTP – National Toxicology Program

OEL – Occupational Exposure Limit
PBT – Persistent Bioaccumulative and Toxic
PC – Chemical Product category
PEL – Permissible Exposure Limit
ppm – parts per million
PROC – Process category
REACH – REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals
STEL – Short Term Exposure Limit

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End of Safety Data Sheet