



RLA POLYMERS (M) SDN BHD

(Company No. 238530M)

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WESSBOND GP-850

SAFETY DATA SHEET

Page 1 of 12

Date of preparation: 12.2.2018

Version: 02

SECTION 1: IDENTIFICATION OF PRODUCT AND THE COMPANY

1.1 Product Identifier

Product Name : WESSBOND GP-850
Product Type : General Purpose Silicone Sealant

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

Identified uses : Construction material for general sealing and glazing application.
Uses advised against : We recommend that you use this product in a way that is consistent with the identified use. If your intended usage is not consistent with the stated use, please contact your sales or technical service representative

1.2 Details of the supplier of the safety data sheet:

Supplier : RLA POLYMERS (M) SDN. BHD.
No. 2A & 2B, Jalan Canang Emas 7/KS10, Telok Gong, 42000 Port Klang, Selangor D.E.
Tel: +603 3885 3039
Fax: +603 3884 3766
E-mail address of person responsible for this SDS : tkinn@rlapolymers.com.my
Emergency telephone number : +603 3885 3039
[Mon – Fri 8.30am – 5.30pm
(excluding public holidays)]

SECTION 2: HAZARD IDENTIFICATION

Physical/ chemical hazards:

- Flammable liquids Non-flammable
- Flammable solids Not applicable

Human health hazards:

- Acute toxicity Virtually nontoxic after a single ingestion. Virtually nontoxic after a single skin contact. Virtually nontoxic by inhalation.
- Skin sensitization Skin sensitizing effects were not observed

Environmental Hazards

- Aquatic toxicity (acute) No toxic effects occur within the range of solubility. There is a high probability that the product is not acutely harmful to aquatic organisms. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations

GHS label elements including precautionary statements

Symbol: Not applicable

This material is not classified as hazardous under the Article 39 Paragraph 1 of the Industrial Safety and Health Act (ISHA). It is not regulated for the MSDS creation and labeling by the provision of Article 41 Paragraph 1 of the ISHA

Hazard statement (s): Not applicable

Precautionary Statement(s)

P202 - Do not handle until all safety precautions have been read and understood

P264 - Wash thoroughly after handling

P271 - Use only outdoors or in a well ventilated area.

Disposal

P501 - Dispose the contents/container in accordance with local/regional/national/International regulations.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENT
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Substance / Mixture : Mixture

Other means of Identification : Silicone Sealant

CAS number / other identifiers:

CAS number : Not applicable

EC number : Not available

Classification of hazardous components according to GHS:

Chemical Name	Proportion	CAS Number	Hazard Class (Category)	Hazard Statement
Distillates (petroleum), hydrotreated middle	>= 20 - < 30	64742-46-7	Not classified as hazardous	Not applicable

Dimethyl siloxane, hydroxy-terminated	>= 60 - < 70	70131-67-8	Not classified as hazardous	Not applicable
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SECTION 4: FIRST AID MEASURES

4.1 Description of necessary first aid measures:

- Ingestion : DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Provided the patient is conscious, wash out mouth with water. Get medical attention if symptoms appear.
- Eye Contact : Immediately irrigate with copious quantity of water for at least 15 minutes. Seek ophthalmologist's advice/attention. During the eyewash, open the eyelid well with your fingers, then wash well the eyeball and the eyelid with water.
- Skin Contact : Wash with plenty of soap and water. Get medical attention if irritation develops. Wash clothing before re-use. Clean shoes thoroughly before reuse. An MDI study has demonstrated that a polyglycol based skin cleanser or corn oil may be more effective than soap and water.
- Inhalation : Remove victim to fresh air. Seek medical attention

4.2 Most important symptoms and effects, both acute and delayed.

Symptoms: Refers to Section 2

Hazards: Refers to Section 2

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor : Treat symptomatically

Specific treatment : No specific treatment.

SECTION 5: FIRE FIGHTING MEASURES

5.1 Extinguishing Media:

Suitable extinguishing media : Dry chemical, Alcohol resistant Foam, CO2, water Spray.

Unsuitable extinguishing media : None known

5.2 Special hazards arising from combustion of the substance or mixture:

Special hazards : Carbon Dioxide, Carbon Monoxide, Silicone Oxide and Formaldehyde.

5.3 Advice for firefighters:

Protective action during firefighting:

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate from site

Special protective equipment for firefighters:

Wear self-contained breathing apparatus for firefighting if necessary. Use personal protective equipment.

Further information: Dispose of fire debris and contaminated extinguishing water in accordance with official regulations

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipments and emergency procedures:

Personal precautions : Follow safe handling advice and personal protective equipment recommendations.

6.2 Environmental precautions:

Environmental precautions : Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained

6.3 Methods and material for containment and cleaning up:

Methods of cleaning up :

For large spill: For large spills, provide diking or other appropriate containment to keep material from spreading. If material in the dyke can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable inert absorbent materials.

For small spill: Remove with inert absorbent materials: sand, earth, sawdust, etc. If wiping with rags, or waste paper, etc., remove and store in a container with a lid.

6.4 Reference to other sections

Reference to other sections : For personal protective equipment and method, see Section 8. See Section 11 for additional information on health hazard. For waste disposal, see Section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

Usage precautions : Use only with adequate ventilation area. Good personal Hygiene procedures should be implemented.

Advice on general occupational hygiene : Wash at the end of each work shift and before eating. Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment. Take care to prevent spills, waste and minimize release to the environment.

7.2 Condition for safe storage, including any incompatibilities :

Storage precautions : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well ventilated area, with temperatures between 5°C and 30°C; away from incompatible materials (see Section 10), food and drink. Keep container tightly closed and sealed until ready for use.

7.3 Specific end use(s)

Specific end use(s) : The identified uses for this product are detailed in Section 1.2

SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION
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8.1 Control Parameters:

Occupational exposure limits

For Chemical: Silicone Dioxide

Type	Exposure Limit Values	Source
TWA	10 mg/m ³	Malaysia OSHA

8.2 Exposure controls

Protective equipments



Appropriate engineering control : Processing may form hazardous compounds (see section 10). Ensure adequate ventilation, especially in confined areas. Minimize workplace exposure concentrations

Personal protection : Always check applicability with supplier of protective equipment

Eye / face protection : Safety glasses with side-shields (frame goggles) (e.g. EN 166)

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard (EN 374) should be worn if risk assessment indicate skin contact is possible.

Other skin and body protection : No specific requirements are anticipated under normal conditions of use

Hygiene measures : Provide eyes wash and safety showers. No specific hygiene procedures recommended, but good personal hygiene practices should always be observed when working with chemical products. These precautions are for room temperature handling. Use at elevated temperature or

aerosol/spray applications may require added precautions.

Respiratory protection : Use respiratory protection (gas mask) unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines

Thermal Hazards : None

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	: Paste
Colour	: Colorless
Odour	: Acetic Acid
Solubility	: No data available
Boiling Point	: Not applicable
Melting Point	: Not applicable
Vapour pressure @ 20°C	: Less than 0.00001 mm Hg at 25°C
Percentage Volatiles	: Not applicable
Evaporation rate	: Not determined
Vapour density	: Not determined
Specific Gravity	: 0.95 +/- 0.03 @ 25 °C
Flash Point	: Not applicable
Auto-ignition Temperature	: No data available
Flammability	: <u>Lower explosion limit:</u> Data not available <u>Upper explosion limit:</u> Data not available
Other properties if applicable	: None

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

Reactivity : Stable.

Corrosion to metals : No corrosive effect on metal

10.2 Chemical stability:

Stability : Stable at normal ambient temperatures and when used as recommended

10.3 Possibility of hazardous reactions:

Possibility of hazardous : None. This product is chemically stable.

10.4 Conditions to avoid:

Conditions to avoid : None known

10.5 Incompatible materials:

Materials to avoid : Strong oxidizing agents

10.6 Hazardous decomposition products:

Hazardous decomposition products : Not determined

SECTION 11: TOXICOLOGICAL INFORMATION
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11.1 Information on toxicological effects

Components:

(1) Distillates (petroleum), hydro-treated middle

Acute toxicity – oral:

Oral LD₅₀ : LD50 (Rat): > 5,000 mg/kg

Acute toxicity – dermal:

Dermal LD₅₀ : LD50 (Rabbit): > 3,160 mg/kg; Assessment: The substance or mixture has no acute dermal toxicity

Acute toxicity – inhalation:

Inhalation (vapour) : LC50 (Rat): > 5,266 mg/m³, Exposure time: 4 h
(Test atmosphere: dust/mist)

(2) Silicone Dioxide

Acute toxicity – oral:

Oral LD₅₀ : LD50 (Rat): > 3,300 mg/kg

Acute toxicity – dermal:

Dermal LD₅₀ : LD50 (Rabbit): > 5,000 mg/kg; Assessment: The substance or mixture has no acute dermal toxicity

Acute toxicity – inhalation:

Inhalation (vapour) : LC50 (Rat): > 2.08 mg/L, Exposure time: 4 h
(Test atmosphere: dust/mist)

(3) Dimethyl siloxane, hydroxyl-terminated

Acute toxicity – oral:

Oral LD₅₀ : LD50 (Rat) : > 20 ml/kg

Acute toxicity – dermal:

Dermal LD₅₀ : LD50 (Rabbit): > 2,000 mg/kg; Assessment: The substance or mixture has no acute dermal toxicity

Skin corrosion/ irritation:

Components:

(1) **Distillates (petroleum), hydrotreated middle:**

Species: Rabbit Method: OECD Test Guideline 404
Result: No skin irritation

(2) **Silicon dioxide:**

Result: No skin irritation
Remarks: Information taken from reference works and the literature.

(3) **Dimethyl siloxane, hydroxy-terminated:**

Species: Rabbit Result: No skin irritation
Remarks: On basis of test data.
Species: Guinea pig Result: No skin irritation
Remarks: On basis of test data.

Serious eye damage/eye irritation

Components:

(1) **Distillates (petroleum), hydrotreated middle:**

Species: Rabbit Method: OECD Test Guideline 405
Result: No eye irritation

(2) **Silicon dioxide:**

Result: No eye irritation
Remarks: Information taken from reference works and the literature.

(3) **Dimethyl siloxane, hydroxy-terminated:**

Species: Rabbit Result: No eye irritation
Remarks: On basis of test data.

Respiratory sensitization

Components:

(1) **Distillates (petroleum), hydrotreated middle:**

Test Type: Maximisation Test
Exposure routes: Skin contact
Species: Guinea pig
Result: negative
Remarks: Based on data from similar materials

(2) **Silicon dioxide:**

Assessment: Does not cause skin sensitisation.
Test Type: Skin: test type not specified
Species: Guinea pig
Result: negative
Remarks: Information taken from reference works and the literature.

(3) **Dimethyl siloxane, hydroxy-terminated:**

Assessment: Does not cause skin sensitisation.
Test Type: Maximisation Test
Species: Guinea pig
Result: negative
Remarks: On basis of test data.

Germ cell mutagenicity

Genotoxicity – in vitro or in vivo : The results have been negative of the in vitro and in vivo studies of all components of chemicals for gene mutation, DNA damage, and chromosomal effects.

Carcinogenicity

Carcinogenicity : No data available

Target organ for Carcinogenicity : (Single dose) - Not classified

Reproductive toxicity

Reproductive toxicity-fertility : The results have been negative for combined repeated dose toxicity study with the production/developmental toxicity screening and Embryo-foetal development tests

Reproductive toxicity-development : Repeated inhalative uptake of the substance did not cause damage to the reproductive organs.

Chronic Toxicity/Effects

: Repeated dose toxicity
Aspiration toxicity
Components: Distillates (petroleum), hydrotreated middle:
The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Ecotoxicity

: The information given below is based partly on a knowledge of individual components tested by the raw materials supplier and the ecotoxicology of similar products. The finished product had not been tested to determine toxicological/ecological limit.

Components:

(1) **Distillates (petroleum), hydrotreated middle:**

Toxicity to fish LL50 (Scophthalmus maximus (turbot)): > 1,028 mg/l
Exposure time: 96 h
Test substance: Water Accommodated Fraction

Toxicity to daphnia: and other aquatic invertebrates	LL50 (Acartia tonsa): > 3,193 mg/l Exposure time: 48 h Test substance: Water Accommodated Fraction
Toxicity to algae:	EL50 (Skeletonema costatum (marine diatom)): > 10,000 mg/l Exposure time: 72 h Test substance: Water Accommodated Fraction
Toxicity to daphnia and other: aquatic invertebrates (Chronic toxicity)	NOELR (Ceriodaphnia dubia (water flea)): > 100 mg/L Exposure time: 8 d Test substance: Water Accommodated Fraction
Toxicity to microorganisms:	EC50: > 100 mg/l Exposure time: 3 h Method: OECD Test Guideline 209

(2) Dimethyl siloxane, hydroxy-terminated:

Toxicity to daphnia: and other aquatic invertebrates	EC50 (Daphnia magna (Water flea)): 493 mg/l Exposure time: 48 h Method: OECD Test Guideline 202 Remark: On basis of test data
Toxicity to fish: (Chronic toxicity)	Remarks: No toxicity at the limit of solubility
Toxicity to daphnia and other: aquatic invertebrates (Chronic toxicity)	NOEC (Daphnia magna (Water flea)): 2,320 mg/l Exposure time: 21 d Method: OECD Test Guideline 211 Remarks: On basis of test data.

12.2 Persistence and degradability:

Components:

(1) Distillates (petroleum), hydrotreated middle:

Biodegradability	Result: Readily biodegradable. Biodegradation: 74 % Exposure time: 28 d Method: OECD Test Guideline 306
Stability (hydrolysis)	Not determined
Biological oxygen demand	No specific test data are available
Chemical oxygen demand	No specific test data are available

12.3 Bioaccumulative potential:

Components:

Dimethyl siloxane, hydroxy-terminated:

Partition coefficient (n-octanol/water)	: log Pow: >= 4 Remarks Based on data from similar materials
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12.4 Mobility in soil:

Mobility : No data available

Adsorption/desorption Coefficient : Not determined.

SECTION 13: DISPOSAL INFORMATION

13.1 Waste Treatment Methods

Disposal methods : Dispose of waste to licensed waste disposal site in accordance with the requirements of the local waste disposal authority. Small quantities may be absorbed in sand and allowed to dry; prior to disposal as low hazard waste. Larger quantities should be disposed of as controlled liquid waste via a licensed waste operator.

SECTION 14: TRANSPORT INFORMATION

General : The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

UN Number : Not applicable

T.D.G. Classification : Not applicable

Packing Group : Not applicable

Special shipping instructions: Not applicable

[Note: This product is not classified as a dangerous good under transport regulations]

SECTION 15: REGULATORY INFORMATION

15.1 Safety, Health And Environmental Regulations/Legislation Specific For The Substance Or Mixture

National Regulations:

1. Occupational Safety and Health (Classification, Labeling and Safety Data Sheet of Hazardous Chemicals) Regulation 2013
2. Occupational Safety and Health (Use and Standard Exposure of Chemicals Hazardous to Health) Regulations 2000.

15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

SDS Version Number: 2.0

SDS Effective Date: 13.2.2018

This information given applies only to our product and may not be valid for such material used in combination with other products. Such information is to the best of our knowledge which we believe to be reliable, but the accuracy or completeness thereof is not guaranteed and no warranty of any kind is made with respect thereto.