

JOIN LEADER 777 RAINBOW CAULKING

Material Safety Data Sheet

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Remark: The directives contained in this documents are the results of our experiment and of our experience and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications which are out of our control, we cannot accept any responsibility for the results obtained. In every case it is recommended to carry out preliminary experiments.

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:	JOIN LEADER 777 RAINBOW CAULKING
MANUFACTURER:	ZheJiang JoinLeader Silicon Co., Ltd.
COMPANY NAME:	JoinLeader Adhesive Co., Ltd.
DIVISION:	Home
OFFICE ADDRESS:	JOIN LEADER Center, 7F/10F/18F, Lvdu World Trade Sq. Bldg.
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Issue Date:	2015-05-29
Supersedes Date:	2015-05-29
Document Group:	JL-MSDS-AS
Product Use:	construction sealant
Specific Use:	Sealant and Bond
Intended Use:	adhesive

SECTION 2: INGREDIENTS

Ingredient	C.A.S. No.	% by Wt
ACRYLIC COPOLYMER	Not Available	35~60
Calcium Carbonate	471-34-1	10~35
Water	7732-18-5	10~40
ADDITIVE	Not Available	0~5

SECTION 3: HAZARDS IDENTIFICATION

- 3.1 Overall Hazard Classification:** Not hazardous.
- 3.2 Hazard Information:** Not hazardous. Avoid contact with skin and eyes.
- 3.3 Route of Exposure:** Skin Contact and Accidental Ingestion.
- 3.4 Possible Health Effects:**
- Acute:**
- Eyes:** Direct contact may cause moderate irritation.
 - Skin:** May cause moderate irritation.
 - Inhalation:** Irritates respiratory passages very slightly.
 - Ingestion:** Low ingestion hazard in normal use.
- Chronic**
- Skin:** No known applicable information.
 - Inhalation:** No known applicable information.
 - Ingestion:** Repeated ingestion or swallowing large amounts may injure internally.
- 3.5 Signs and Symptoms of Overexposure:**
- No significant adverse effects from a single exposure expected from normal use.

SECTION 4: FIRST AID MEASURES

- 4.1 **Eyes:** Immediately flush with water for 15 minutes. Get medical attention.
- 4.2 **Skin:** Remove from skin and wash thoroughly with soap and water or waterless
- 4.3 **Inhalation:** No first aid should be needed.
- 4.4 **Ingestion:** Get medical attention.
- 4.5 **Comments:** Treat according to person's condition and specifics of exposure.
- 4.6 **Note to physicians:** Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

- 5.1 **Flammability:** Non-flammable
- 5.2 **Flash Point:** N/A.
- 5.3 **Autoignition temperature:** N/A.
- 5.4 **Hazardous Properties:** None.
- 5.5 **Fire:** Not considered to be a fire hazard.
- 5.6 **Explosion:** Not considered to be an explosion hazard.
- 5.7 **Special Fire Fighting Procedures and Equipment:** Not considered to be an explosion hazard.
- 5.8 **Hazardous Combustion Products:** Carbon oxides and traces of incompletely burned carbon compounds.
- 5.9 **Unsuitable Extinguishing Media:** None established.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1 **Personal Precautions:** Avoid skin and eye contact. Do not take internally.
- 6.2 **Environmental Precautions:** Do not allow large quantities to enter drains.
- 6.3 **Methods for Cleaning up:** Wear protective equipment to prevent skin and eye contamination and inhalation of dust. Use appropriate tools to put the spilled material into a waste disposal container. Hold for reuse or disposal. Wash spill site with soapy water after initial pickup is complete. Dispose of in accordance with all local or state regulations at an approved waste disposal facility.

In the event of a release of this material, the user should determine if the release qualifies as reportable according to local, state, and federal.

SECTION 7: HANDLING AND STORAGE

- 7.1 **HANDLING:** Avoid eye contact with vapors, mists, or spray. Avoid skin contact. Avoid breathing of vapors, mists or spray. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits. If ventilation is not adequate, use respiratory protection equipment. Do not ingest. Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water.
- 7.2 **STORAGE:** Store away from oxidizing agents. Keep container closed and store away from water or moisture.
- 7.3 **Unsuitable Packaging Materials:** None established.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 **Exposure Limits:** General protection and hygiene measures :Avoid contact with eyes and skin . Do not inhale gases/vapors/aerosols . Do not eat, drink or smoke when handling.
- 8.2 **Engineering Controls**
- 8.2.1 **Local Ventilation:** None should be needed.
- 8.2.2 **General Ventilation:** Recommended.
- 8.3 **Personal Protective Equipment for Routine Handling**
- 8.3.1 **Respiratory protection:** No respiratory protection should be needed.
- 8.3.2 **Suitable Respirator:** None should be needed.
- 8.3.3 **Eye protection:** Wear chemical safety goggles or appropriate protective eyeglasses.
- 8.3.4 **Hand protection:** Wear chemical protective gloves.
- 8.3.5 **Skin protection:** Wash at mealtime and end of shift. Contaminated clothing and shoes should be removed as soon as practical and thoroughly cleaned before reuse. Chemical protective gloves are recommended.

8.3.6 Hygiene Measures: Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking.

Note: These precautions are for room temperature handling. Use at elevated temperatures or aerosol spray applications may require added precautions.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Item	Data
Specific Physical Form	Paste
Odor, Color, Grade	Paste, Light odor
General Physical Form	Solid
Autoignition temperature	No Data Available
Flash Point	Not Applicable
Flammable Limits – LEL	Not Applicable
Flammable Limits – UEL	Not Applicable
Boiling point	Not Applicable
Vapor Density	Not Applicable
Vapor Pressure	Not Applicable
Specific Gravity	1.65[Ref Std WATER=1.0]
pH	Not Applicable
Melting Point	No Data Available
Solubility in Water (%)	Not Applicable
Evaporation rate	Not Applicable
Volatile Organic Compounds	Not Applicable
Percent volatile	Not Applicable
VOC Less H ₂ O & Exempt Solvents	Not Applicable
Viscosity	Not Applicable

Note: The above information is not intended for use in preparing specifications.

SECTION 10: STABILITY AND REACTIVITY

- 10.1 Stability:** Stable.
- 10.2 Materials to Avoid:** Oxidizing material can cause a reaction.
- 10.3 Conditions to Avoid:** None
- 10.4 Hazardous Polymerization:** Hazardous polymerization will not occur.
- 10.5 Hazardous Decomposition or By-Products**

Substance	Condition
Carbon monoxide	During Combustion.
Carbon dioxide	During Combustion.

SECTION 11: TOXICOLOGICAL INFORMATION

- 11.1 Possible Health Effects:** Refer to Section 3.4
- 11.2 Sensitizing Effects:** None known.
- 11.3 Mutagenic Effects:** None known.
- 11.4 Reproductive Effects:** None known.
- 11.5 Carcinogenic Effects:** None known.
- 11.6 Other Health Hazard Information:** No known applicable information.

The above listed potential effects of overexposure are based on actual data, the results of studies performed upon similar compositions, component data, and/or expert review of the products.

SECTION 12: ECOLOGICAL INFORMATION

- 12.1 Environmental Fate and Distribution:** Solid material, insoluble in water. No adverse effects are predicted.
- 12.2 Environmental Effects:** No adverse effects on aquatic organisms are predicted.
- 12.3 Bioaccumulation:** No bioaccumulation potential.
- 12.4 Fate and Effects in Waste Water Treatment Plants:** No adverse effects on bacteria are predicted.

SECTION 13: DISPOSAL CONSIDERATIONS

- 13.1 Product Disposal: Dispose of in accordance with local regulations.
- 13.2 Packaging Disposal: Dispose of in accordance with local regulations.
- 13.3 Characteristic Waste:
 - 13.3.1 Ignitable: NO.
 - 13.3.2 Corrosive: NO.
 - 13.3.3 Reactive: NO.

Since regulations vary, consult applicable regulations or authorities before disposal.

SECTION 14: TRANSPORT INFORMATION

- 14.1 Road and Rail Transport: Not applicable.
- 14.2 Sea Transport (IMDG): Not subject to IMDG code.
- 14.3 Air Transport (IATA): Not subject to IATA regulations.
- 14.4 Special Requirements and Additional Information: None.

SECTION 15: REGULATORY INFORMATION

- 15.1 Warning Label: none known
- 15.2 Special identification instructions: Not applicable.
- 15.3 National Regulations: Not applicable.
- 15.4 International Regulations: Not applicable.

SECTION 16: OTHER INFORMATION

FOR INDUSTRIAL USE ONLY! KEEP OUT OF REACH OF CHILDREN!

Estimated NFPA Rating: HEALTH 1 FLAMMABILITY 0 REACTIVITY 0 SPECIFIC 0
 Estimated HMIS Classification: HEALTH 1 FLAMMABILITY 0 PHYSICALHAZARD 0
 REACTIVITY 0

NFPA is a registered trademark of the National Fire Protection Assn.

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Revision Date: 2015-05-29 Issue Date: 2015-05-29
 Serial No. 15E0173 Reference No.
 Version No. JL-MSDS-SDS-A-A15

Reason for Reissue:

The MSDS has been revised because JOIN LEADER has adopted the 16-section ANSI/ISO format. The potential hazards of the product have not changed. We encourage you to reread the MSDS and review the information.

Revision Changes:

Section 1	Document Group was added.
Section 9	Property description for optional properties was modified.
Section 16	National Fire Protection Association (NFPA) information of the production was added.

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