Safety Data Sheet

Dynatex® 49271 Black RTV Silicone Gasket Maker - L/V

Section 1. Identification

Product Identifier	Dynatex® 49271 Black RTV Silicone Gasket Maker - L/V
Synonyms	49271BK10
Manufacturer Stock Numbers	49271BK10
Recommended use	Refer to Technical Information
Uses advised against	Refer to Technical Information
Manufacturer Contact	
Address	Dynatex a division of Soudal Accumetric 350 Ring Road Elizabethtown, KY, 42701 USA

Phone	Emergency Phone	Fax
(270) 769-3385	(800) 424-9300 CHEMTREC	(270) 769-6418

Section 2. Hazards Identification

Classification	EYE DAMAGE/IRRITATION - Category 2B GASES UNDER PRESSURE - Liquefied gas SKIN CORROSION/IRRITATION - Category 2
Signal Word	Warning
Pictogram	
Hazard Statements	Causes eye irritation Causes skin irritation Contains gas under pressure; may explode if heated
Precautionary Statements	

Response	If eye irritation persists: Get medical advice/attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If on skin: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Read Label before use. Take off contaminated clothing and wash it before reuse.
Prevention	Wash hands thoroughly after handling. Wear protective gloves.
Storage	Protect from sunlight. Store in a well-ventilated place.
Disposal	N/A

Ingredients of unknown toxicity	0%
Hazards not Otherwise Classified	
Supplemental information	75.57% of the mixture consists of component(s) of unknown acute dermal toxicity. 30.9% of the mixture consists of component(s) of unknown acute inhalation toxicity. 75.57% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 75.57% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment

Section 3. Ingredients

CAS	Ingredient Name	Weight %
17689-77-9	Ethyltriacetoxysilane	1% - 5%
4253-34-3	Methyltriacetoxysilane	1% - 5%
75-37-6	Difluoroethane (propellant)	1% - 5%

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First-Aid Measures

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Oxygen or artificial respiration if needed. Call a POISON CENTER or doctor/physician if you feel unwell.
Skin contact	Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical advice/attention if you feel unwell. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Get medical advice/attention if you feel unwell.
Most important symptoms/effects, acute and delayed	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Coughing. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects.

Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation. Symptoms may be delayed.
General information	Take off all contaminated clothing immediately. IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable Extinguishing Media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment / instructions	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	Highly flammable liquid and vapor.

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Take precautionary measures against static discharge. Use only non-sparking tools. Keep combustibles (wood, paper, oil, etc.) away from spilled material. Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Prevent product from entering drains. Following product recovery, flush area with water.

Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Environmental precautions

Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases.

Section 7. Handling and Storage

Precautions for safe handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not breathe mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. When using, do not eat, drink or smoke. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Wash contaminated clothing before reuse. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Store in original tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits

Ingredient Name	ACGIH TLV	OSHA PEL	STEL
Ethyltriacetoxysilane	TWA 10ppm	TWA 10ppm	15ppm
Methyltriacetoxysilane	TWA 10ppm	TWA 10ppm	15ppm
Difluoroethane (propellant)	N/A	N/A	N/A

Personal Protective Equipment

Goggles, Gloves

Appropriate engineering controls

Explosion-proof general and local exhaust ventilation. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash

	facilities and emergency shower must be available when handling this product.
Individual protection measures, such as personal protective equipment	Eye/face protection Chemical respirator with organic vapor cartridge and full facepiece. Hand protection Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier. Skin protection Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended. Respiratory protection Chemical respirator with organic vapor cartridge and full facepiece. Thermal hazards Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Section 9. Physical and Chemical Properties

Physical State	Paste
Color	Black
Odor	Acetic Acid Odor
Odor Threshold	Not available
Solubility	Not available
Partition coefficient Water/n-octanol	No data available
VOC%	N/A
Viscosity	Not available
Specific Gravity	1.007
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	>100C >212F
FP Method	Closed Cup
Ph	Not available
Melting Point	Not available
Boiling Point	Not available
Boiling Range	N/A
LEL	N/A
UEL	N/A
Evaporation Rate	Not available
Flammability	Not available
Decomposition Temperature	Not available

Auto-ignition Temperature	Not available
Vapor Pressure	Not available
Vapor Density	Not available

Note	The above information is not intended for use in preparing product specifications. Contact Soudal Accumetric before writing specifications.

Section 10. Stability and Reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Avoid heat, flames, sparks and other sources of ignition. Avoid contact with incompatible materials.
Incompatible materials	Strong acids. Acids. Strong oxidizing agents. Halogens. Fluorine.
Hazardous decomposition products	No hazardous decomposition products are known.

Section 11. Toxicological Information

Information on likely routes of exposure	Inhalation Harmful if inhaled. May cause damage to organs through prolonged or repeated exposure by inhalation. Skin contact Harmful in contact with skin. Causes skin irritation. Eye contact Causes serious eye irritation. Ingestion Expected to be a low ingestion hazard.
Symptoms related to the physical, chemical and toxicological characteristics	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Coughing. Skin irritation. May cause redness and pain.
Acute toxicity	Harmful if inhaled. Harmful in contact with skin.
Information on toxicological effects - components	1,3,5-Trimethylbenzene (CAS 108-67-8) Acute - Oral LD50 Rat 8970 mg/kg Aluminum Hydroxide Regulatory (CAS 21645-51-2) Acute - Oral LD50 Rat > 5000 mg/kg Ethylbenzene (CAS 100-41-4) Acute - Dermal LD50 Rabbit 17800 mg/kg

Acute - Oral
LD50 Rat 3500 mg/kg

Silica (CAS 7631-86-9)
Acute - Oral
LD50 Mouse > 15000 mg/kg
LD50 Rat > 22500 mg/kg

Silicon dioxide (CAS 112945-52-5)
Acute - Oral
LD50 Mouse > 15000 mg/kg
LD50 Rat > 22500 mg/kg

Trimetyl Benzene Regulatory (CAS 95-63-6)
Acute - Dermal
LD50 Rabbit > 3160 mg/kg
Acute - Inhalation
LC50 Rat > 2000 ppm, 48 Hours
Acute - Oral
LD50 Rat 6 g/kg

Xylene (CAS 1330-20-7)
Acute - Dermal
LD50 Rabbit > 43 g/kg
Acute - Inhalation
LC50 Mouse 3907 mg/l, 6 Hours
LC50 Rat 6350 mg/l, 4 Hours
Acute - Oral
LD50 Mouse 1590 mg/kg
LD50 Rat 3523 - 8600 mg/kg

* Estimates for product may be based on additional component data not shown.

Skin corrosion/irritation
Causes skin irritation.

Serious eye damage/eye irritation
Causes serious eye irritation.

Respiratory or skin sensitization
Respiratory sensitization
Not available.

Skin sensitization
This product is not expected to cause skin sensitization.

Germ cell mutagenicity
No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity
May cause cancer.

IARC Monographs. Overall Evaluation of Carcinogenicity
Crystalline Quartz Regulatory (CAS 14808-60-7) 1 Carcinogenic to humans.
Ethylbenzene (CAS 100-41-4) 2B Possibly carcinogenic to humans.
Silica (CAS 7631-86-9) 3 Not classifiable as to carcinogenicity to humans.
Silicon dioxide (CAS 112945-52-5) 3 Not classifiable as to carcinogenicity to humans.
Titanium Dioxide (CAS 13463-67-7) 2B Possibly carcinogenic to humans.
Xylene (CAS 1330-20-7) 3 Not classifiable as to carcinogenicity to humans.

	OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) Not listed. US. National Toxicology Program (NTP) Report on Carcinogens Crystalline Quartz Regulatory (CAS 14808-60-7) Known To Be Human Carcinogen.
Reproductive toxicity	Components in this product have been shown to cause birth defects and reproductive disorders in laboratory animals. Suspected of damaging fertility or the unborn child.
Specific target organ toxicity	Single exposure - Not classified. Repeated exposure - Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard	Not an aspiration hazard.
Causes effects	Causes damage to organs through prolonged or repeated exposure. Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

Section 12. Ecological Information

Ecotoxicity	Harmful to aquatic life with long lasting effects. 1,3,5-Trimethylbenzene (CAS 108-67-8) Aquatic - Fish LC50 Goldfish (Carassius auratus) 9.89 - 15.05 mg/l, 96 hours Ethylbenzene (CAS 100-41-4) Aquatic - Crustacea EC50 Water flea (Daphnia magna) 1.37 - 4.4 mg/l, 48 hours Aquatic- Fish LC50 Fathead minnow (Pimephales promelas) 7.5 - 11 mg/l, 96 hours Titanium Dioxide (CAS 13463-67-7) Aquatic - Crustacea EC50 Water flea (Daphnia magna) > 1000 mg/l, 48 hours Aquatic - Fish LC50 Mummichog (Fundulus heteroclitus) > 1000 mg/l, 96 hours Trimetyl Benzene Regulatory (CAS 95-63-6) Aquatic - Fish LC50 Fathead minnow (Pimephales promelas) 7.19 - 8.28 mg/l, 96 hours Xylene (CAS 1330-20-7) Aquatic - Fish LC50 Bluegill (Lepomis macrochirus) 7.711 - 9.591 mg/l, 96 hours * Estimates for product may be based on additional component data not shown.
Persistence and degradability	No data is available on the degradability of this product.

Bioaccumulative potential	Partition coefficient n-octanol / water (log Kow) Ethylbenzene 3.15 Xylene 3.12 - 3.2
Mobility in soil	No data available.
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

Section 13. Disposal

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional /national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Section 14. Transport Information

UN Number	N/A
UN Proper Shipping Name	N/A
DOT Classification	N/A
Packing Group	N/A
	The following transportation information is provided based on the manufacturer's interpretation of shipping regulations. Each shipper is responsible for identifying, naming, marking, and labeling prior to offering for transport.

Section 15. Regulatory Information

US federal regulations	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. One or more components are not listed on TSCA. TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) Not regulated. CERCLA Hazardous Substance List (40 CFR 302.4) Ethylbenzene (CAS 100-41-4) Listed. Xylene (CAS 1330-20-7) Listed.

	OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) Not listed.
Superfund Amendments and Reauthorization Act of 1986 (SARA)	Hazard categories Immediate Hazard - Yes Delayed Hazard - Yes Fire Hazard - Yes Pressure Hazard - No Reactivity Hazard - No SARA 302 Extremely hazardous substance Not listed. SARA 304 Emergency release notification Not regulated. SARA 311/312 Hazardous chemical No SARA 313 (TRI reporting) Xylene 1330-20-7 20 - < 40% Ethylbenzene 100-41-4 0 - < 5% Trimetyl Benzene Regulatory 95-63-6 0< 5%
Other federal regulations	Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List Ethylbenzene (CAS 100-41-4) Xylene (CAS 1330-20-7) Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) Not regulated. Safe Drinking Water Act (SDWA) Not regulated.
US state regulations	US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100) Not listed. US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a)) 1,3,5-Trimethylbenzene (CAS 108-67-8) Crystalline Quartz Regulatory (CAS 14808-60-7) Ethylbenzene (CAS 100-41-4) Titanium Dioxide (CAS 13463-67-7) Trimetyl Benzene Regulatory (CAS 95-63-6) Xylene (CAS 1330-20-7) US. Massachusetts RTK - Substance List 1,3,5-Trimethylbenzene (CAS 108-67-8) Calcium Carbonate (CAS 1317-65-3) Crystalline Quartz Regulatory (CAS 14808-60-7) Ethylbenzene (CAS 100-41-4) Mica Regulatory (CAS 12001-26-2) Silica (CAS 7631-86-9) Silicon dioxide (CAS 112945-52-5) Titanium Dioxide (CAS 13463-67-7)

Trimetyl Benzene Regulatory (CAS 95-63-6)
Xylene (CAS 1330-20-7)

US. New Jersey Worker and Community Right-to-Know Act
1,3,5-Trimethylbenzene (CAS 108-67-8)
Calcium Carbonate (CAS 1317-65-3)
Crystalline Quartz Regulatory (CAS 14808-60-7)
Ethylbenzene (CAS 100-41-4)
Mica Regulatory (CAS 12001-26-2)
Silica (CAS 7631-86-9)
Titanium Dioxide (CAS 13463-67-7)
Trimetyl Benzene Regulatory (CAS 95-63-6)
Xylene (CAS 1330-20-7)

US. Pennsylvania Worker and Community Right-to-Know Law
1,3,5-Trimethylbenzene (CAS 108-67-8)
Calcium Carbonate (CAS 1317-65-3)
Crystalline Quartz Regulatory (CAS 14808-60-7)
Ethylbenzene (CAS 100-41-4)
Mica Regulatory (CAS 12001-26-2)
Silica (CAS 7631-86-9)
Silicon dioxide (CAS 112945-52-5)
Titanium Dioxide (CAS 13463-67-7)
Trimetyl Benzene Regulatory (CAS 95-63-6)
Xylene (CAS 1330-20-7)

US. Rhode Island RTK
Ethylbenzene (CAS 100-41-4)
Trimetyl Benzene Regulatory (CAS 95-63-6)
Xylene (CAS 1330-20-7)

US. California Proposition 65
WARNING: This product contains a chemical known to the State of California to cause cancer.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance
Crystalline Quartz Regulatory (CAS 14808-60-7) Listed: October 1, 1988
Ethylbenzene (CAS 100-41-4) Listed: June 11, 2004
Titanium Dioxide (CAS 13463-67-7) Listed: September 2, 2011

Section 16. Other Information

Revision Date	12/21/2015
Disclaimer	The data contained herein is based upon information that Soudal Accumetric believes to be reliable. Users of this product have the responsibility to determine that suitability of use and to adopt all necessary precautions to ensure the safety and protection of property and persons involved in said use. All statements or suggestions are made without warranty, expressed or implied, regarding the accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.