

Duro-Caulk® Plus

SECTION 1	PRODUCT AND COMPANY IDENTIFICATION
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Product Name:	Duro-Caulk® Plus
Version:	2
Identifier 1:	Neutral-Cure Silicone Sealant
Identifier 2:	Gray (1134), Bronze (1135), White (1136), Tan (1137)
Chemical Family:	Mixture
Product Use:	Multi-Purpose Joint Sealant
 Company Information:	 Duro-Last®, Inc. 525 W Morley Dr. Saginaw, MI 48601 Phone: (800) 248-0280 Internet Address: www.duro-last.com
 Emergency Phone (24 hours):	 INFOTRAC 1-800-535-5053 (US & Canada) 1-352-323-3500 (International)

SECTION 2	HAZARD(S) IDENTIFICATION
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Hazard Classification:	Health Hazards Flammable Liquids, Category 4 Skin Irritation, Category 2 Eye Irritation, Category 2A Skin Sensitization, Category 1 Carcinogenicity, Category 2
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Pictogram(s):	
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Signal Word:	WARNING
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Hazard Statements:	H227 H315 H317 H319 H351	<ul style="list-style-type: none"> - Combustible liquid. - Causes skin irritation. - May cause an allergic skin reaction. - Causes serious eye irritation. - Suspected of causing cancer.
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Precautionary Statements:	Prevention	<ul style="list-style-type: none"> 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. P261 - Avoid breathing dust/fumes/gas/mist/vapors/spray. P264 - Wash skin thoroughly after handling. P272 - Contaminated work clothing should not be allowed out of the workplace.
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P280	- Wear protective gloves/protective clothing/eye protection/face protection.
Response	
P302+352	- IF ON SKIN: Wash with soap and water.
P305+P351+P338	- IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P308 + P313	- If exposed: Call a POISON CENTER or doctor/physician.
P333 + P313	- If skin irritation occurs: Get medical advice/attention.
P337 + P313	- If eye irritation persists get medical advice/attention.
P362	- Take off contaminated clothing.
P363	- Wash contaminated clothing before reuse.
P370 + P378	- In case of fire: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment for extinction.
Storage	
P403 + P235	- Store in a well-ventilated place. Keep cool.
P405	- Store locked up.
Disposal	
P501	- Dispose of contents/container in accordance with local regulations.

SECTION 3

COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients

Chemical Name	CAS Number	Concentration (%)
Polysiloxanediol	70131-67-8	25-50%
Butan-2-one-O,O',O''-(methylsilyldiyl)trioxime	22984-54-9	2-5%
Vinyl tris-(methyl ethyl ketoxime) silane (VOS)	2224-33-1	0-1%
N-(2-aminoethyl)-N'-[3-(trimethoxysilyl)propyl]ethylenediamine	35141-30-1	0-1%
Carbon Black (Unbound)*	1333-86-4	0-1%
Titanium Dioxide (Unbound)*	13463-67-7	0-2%

*The hazards of the listed Titanium Dioxide and Carbon Black are for their powder unbound forms. When the chemicals are used in applications such as textures or coatings, the chemicals become bound and are not in their hazardous form.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

SECTION 4

FIRST-AID MEASURES

Inhalation:	Move to fresh air. Consult a physician after significant exposure.
Skin Contact:	Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. If symptoms persist, call a physician.
Eye Contact:	Immediately flush eye(s) with plenty of water. Remove contact lenses. Keep eye(s) wide open while rinsing. If eye irritation persists, consult a specialist.

Ingestion: Clean mouth with water and drink plenty of water afterwards.
Do NOT induce vomiting and call a physician.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.

Most Important Symptoms and Effects, Both Acute and Delayed: Irritant effects.
Sensitizing effects.
Allergic reactions.
Excessive lachrymation.
Erythema.
Dermatitis.

Protection of First-Aiders: Move out of dangerous area.
Consult a physician.
Show this Safety Data Sheet to the doctor in attendance.

Notes to Physician: Treat symptomatically.

SECTION 5

FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Carbon Dioxide (CO₂), dry chemical, or foam.

Unsuitable Extinguishing Media: Water

Specific Extinguishing Methods: Fire residues must be disposed of in accordance with local regulations.

Special Protective Equipment for Firefighters: In the event of fire, wear a self-contained breathing apparatus and full protective clothing.

SECTION 6

ACCIDENTAL RELEASE MEASURES

Handling Precautions: Use personal protective equipment.
Deny access to unprotected persons.

Environmental Precautions: Do not flush into surface water or sanitary sewer system.
If the product contaminates rivers and lakes or drains inform respective authorities.
Local authorities should be advised if significant spillages cannot be contained.

Cleanup: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, or sawdust).
Keep in suitable, closed containers for disposal.

Regulatory Requirements: Follow applicable OSHA regulations (29 CFR 1940.120).

SECTION 7

HANDLING AND STORAGE

Handling Precautions: Do not breathe vapors or spray mist.
Avoid exceeding the given occupational exposure limits (see section 8).
Do not get in eyes, on skin, or on clothing.
For personal protection see section 8.
Persons with a history of skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.

Smoking, eating and drinking should be prohibited in the application area.
 Follow standard hygiene measures when handling chemical products.

Storage Requirements:
 Store in original container.
 Keep in a well-ventilated place.
 Observe label precautions.
 Store in accordance with local regulations.

SECTION 8**EXPOSURE CONTROLS/PERSONAL PROTECTION****Exposure Guidelines**

Component	CAS Number	Basis **	Value	Exposure Limit(s)* / Form of Exposure
Carbon Black (Unbound)***	1333-86-4	ACGIH	TWA	3.5 mg/m ³
		OSHA Z-2	TWA	3.5 mg/m ³
		OSHA P0	TWA	3.5 mg/m ³
Titanium Dioxide (Unbound)***	13463-67-7	OSHA Z-1	TWA	15 mg/m ³ (Total Dust)
		ACGIH	TWA	10 mg/m ³ (Total Dust)

*The above mentioned values are in accordance with the legislation in effect at the date of the release of this Safety Data Sheet.

****Basis**

ACGIH. Threshold Limit Values (TLV)

OSHA P0. Table Z-1, Limit for Air Contaminant (1989 Vacated Values)

OSHA P1. Permissible Exposure Limits (PEL), Table Z-1, Limit for Air Contaminant

OSHA P2. Permissible Exposure Limits (PEL), Table Z-2

OSHA Z3. Table Z-3, Mineral Dust

***The hazards of the listed Titanium Dioxide and Carbon Black are for their powder unbound forms. When the chemicals are used in applications such as textures or coatings, the chemicals become bound and are not in their hazardous form.

Engineering Measures:

Use of adequate ventilation should be sufficient to control worker exposure to airborne contaminants. If the use of this product generates dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits.

Personal Protective Equipment:**Respiratory Protection**

Use a properly fitted NIOSH approved air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

The filter class for the respirator must be suitable for the maximum expected contaminant concentration (gas/vapor/aerosol/particulates) that may arise when handling the product. If this concentration is exceeded, self-contained breathing apparatus must be used.

Hand Protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Eye Protection

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary.

Skin and Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific workplace.

Hygiene Measures

Avoid contact with skin, eyes and clothing.

Wash hands before breaks and immediately after handling the product.

Remove respiratory and skin/eye protection only after vapors have been cleared from the area.

Remove contaminated clothing and protective equipment before entering eating areas.

Wash thoroughly after handling.

SECTION 9**PHYSICAL AND CHEMICAL PROPERTIES****Hazardous Ingredients**

Appearance:	Paste	pH:	Not Applicable.
Odor:	Mild, musty	Solubility in Water:	Insoluble.
Odor Threshold:	Not Determined.	Evaporation Rate:	Not Determined.
Color:	Gray, Bronze, White, Tan	Density:	Ca. 1.14 g/cm ³ at 73°F (23°C)
Volatility (%):	Not Determined.	Particle Size:	Not Determined.
Flashpoint and Method:	189°F (87°C)	Specific Gravity:	Not Determined.
Flammable Limits:	Not Determined.	Viscosity:	> 20.5 mm ² /s at 104 °F (40 °C)
Auto-ignition Temp.:	Not Determined.	Molecular Formula:	Not Determined.
Vapor Pressure:	Not Determined.	VOC:	26 g/l
Vapor Density:	Not Determined.	COEFF. Oil/Water:	Not Determined.
Boiling Point:	Not Determined.	Oxidizing Properties:	Not Determined.
Freezing Point:	Not Determined.	Comments:	n/a
Melting Point:	Not Determined.		
Pour Point:	Not Determined.		

SECTION 10**STABILITY AND REACTIVITY**

Reactivity: No dangerous reaction known under conditions of normal use.

Chemical Stability: The product is chemically stable.

Possibility of Hazardous Reactions: Stable under recommended storage conditions.

Conditions to Avoid: Extremes of temperature and direct sunlight.

SECTION 11**TOXICOLOGICAL INFORMATION****Acute Toxicity**

Hazardous Ingredient Name	Oral LD₅₀	Dermal LD₅₀	Dermal LC₅₀
Polysiloxanediol	No data	No data	No data
Butan-2-one-O,O',O''-(methylsilylidyne)trioxime	No data	No data	No data
Vinyl tris-(methyl ethyl ketoxime) silane (VOS)	No data	No data	No data
N-(2-aminoethyl)-N'-[3-(trimethoxysilyl)propyl]ethylenediamine	7,758 mg/kg (rat)	16,640 mg/kg (rat)	No data
Carbon Black	8,000 mg/kg (rat)	No data	No data
Titanium Dioxide	>10,000 mg/kg (rat)	≥10,000 mg/kg (hamster)	No data

Irritation: Mild skin irritation.
Severe eye irritation.

Sensitization: Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Carcinogenicity: Suspected of causing cancer.

SECTION 12**ECOLOGICAL INFORMATION****Environmental Data**

Components	Species	Test Results
Carbon Black (CAS 1333-86-4)	Brachydanio Rerio (aquatic)	LC50; Dose: > 1,000 mg/l; Exposure time: 96 h

Other Information: Do not empty into drains; dispose of this material and its container in a safe way. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 13**DISPOSAL CONSIDERATIONS****Disposal Methods:****Waste from Residues**

Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Contaminated Packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14**TRANSPORT INFORMATION**

DOT: Not dangerous goods.

IATA: Not dangerous goods.

IMDG: Not dangerous goods.

SECTION 15**REGULATORY INFORMATION**

TSCA List: All chemical substances in this product are either listed on the TSCA Inventory or are in compliance with a TSCA Inventory exemption.

CERCLA Reportable Quantity: This material does not contain any components with a CERCLA RQ.

SARA 304 Reportable Quantity: This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards: Acute Health Hazard.
Chronic Health Hazard.
Fire Hazard.

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act: This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(f) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

Ozone-Depletion Potential: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

California Proposition 65: **WARNING:** This product can expose you to chemicals including Titanium Dioxide and Carbon Black, which are known to the State of California to cause [cancer](#) when airborne. For more information, go to www.P65Warnings.ca.gov.

SECTION 16

OTHER INFORMATION

HMIS Classification

HEALTH	*	2
FLAMMABILITY		2
PHYSICAL HAZARD		0
PERSONAL PROTECTION		B

Previous Editions: First Edition: 01/29/14
Second Edition: 03/20/17

Further Information: This SDS was prepared in accordance with OSHA regulatory standards for Toxic and Hazardous Substances: 29 CFR 1910.1200.

Disclaimer: To the best of our knowledge, the information contained herein is accurate. However Duro-Last®, Inc. does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be handled with care. Although we have described herein all of the hazards to which we are currently aware, we cannot guarantee that these are the only hazards which exist.