



SAFETY DATA SHEET

Section 1 - Chemical Product and Company Information

Product Name: Leak Seal Resealant for Windshield, Back Light and Sunfoor Assemblies Product Code: P10570

Kent Automotive

8770 W Bryn Mawr Ave., Suite 900
Chicago, IL 60631
773-304-5050

Emergency Telephone: 888-426-4851

Product Use: Sealant

Not recommended for: Food contact

Section 2 - Hazards Identification

GHS Ratings:

Flammable liquid	2	Flash point < 23°C and initial boiling point > 35°C (95°F)
Mutagen	1B	Known to produce heritable mutations in human germ cells Subcategory 1B, Positive results: In vivo heritable germ cell tests in mammals, Human germ cell tests, In vivo somatic mutagenicity tests, combined with some evidence of germ cell mutagenicity
Carcinogen	1A	Known Human Carcinogen Based on human evidence
Reproductive toxin	2	Human or animal evidence possibly with other information

GHS Hazards

H225	Highly flammable liquid and vapour
H340	May cause genetic defects
H350	May cause cancer
H361	Suspected of damaging fertility or the unborn child

GHS Precautions

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P210	Keep away from heat/sparks/open flames/hot surfaces – No smoking
P233	Keep container tightly closed
P240	Ground/bond container and receiving equipment
P241	Use explosion-proof electrical/ventilating/light/.../equipment
P242	Use only non-sparking tools
P243	Take precautionary measures against static discharge
P280	Wear protective gloves/protective clothing/eye protection/face protection
P281	Use personal protective equipment as required
P405	Store locked up
P501	Dispose of contents/container to ...

Danger



Possible Routes of Entry

Inhalation Skin Contact Eye Contact Ingestion

Potential Target Organs

Eyes Lungs Central Nervous System Skin Respiratory System

Acute Toxicity

N/A

The following components are possible carcinogens

Crystalline Silica: NIOSH: potential occupational carcinogen (dust*)
 IARC: Human carcinogen (dust*)
 OSHA: listed (dust*)

Naphtha, petroleum, hydrotreated light: EU REACH: Present (P)

Carbon Black: NIOSH: potential occupational carcinogen (*dust)
 IARC: Possible human carcinogen (*dust)
 OSHA: listed (* dust)

*Material labeled a carcinogen in dust form are supplied in solution, thus eliminating the hazard

Conditions Aggravated

N/A

Chronic Effects

N/A

Section 3 - Composition / Information on Ingredients

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Calcium Carbonate 1317-65-3 40 to 50%	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)	10 mg/m3 TWA (total dust)	NIOSH: 10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust)
Naphtha, petroleum, hydrotreated light 64742-49-0 10 to 20%	N/A	N/A	N/A
Hydrated aluminum silicate 1332-58-7 5 to 10%	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)	2 mg/m3 TWA (particulate matter containing no asbestos and <1% crystalline silica, respirable fraction)	NIOSH: 10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust)
Trade Secret 5 to 10%	N/A	N/A	N/A
Resin acids and Rosin acids, esters with glycerol 8050-31-5 5 to 10%	N/A	N/A	N/A

Resin acids and Rosin acids, hydrogenated, esters with triethylene glycol 68648-53-3 1 to 5%	N/A	N/A	N/A
Pyrogenic colloidal silica 112945-52-5 1 to 5%	20ppcf; TWA - Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts	N/A	N/A
1-(2-hydroxyethyl)-2-heptadecenylimidazoline 27136-73-8 1 to 5%	N/A	N/A	N/A
Carbon Black 1333-86-4 0.1 to 1.0%	3.5 mg/m3 TWA	3 mg/m3 TWA (inhalable fraction)	NIOSH: 3.5 mg/m3 TWA; 0.1 mg/m3 TWA (Carbon black in presence of Polycyclic aromatic hydrocarbons, as PAH)
Cyrstalline Silica 14808-60-7 0.1 to 1.0%	10 mg/m PEL (dust)	0.025 mg/m3 TWA (respirable fraction)	NIOSH: 0.05 mg/m3 TWA (respirable dust)

Section 4 - First Aid Measures

INHALATION - Move affected person to fresh air, rest in a half upright position, and loosen clothing . If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Seek medical advice after significant exposure.

EYE CONTACT - Flush with large amounts of water for at least 15 minutes. Lift eyelids occasionally. Get prompt medical attention.

SKIN - Wash thoroughly with soap and water immediately. Remove all contaminated clothing immediately. Seek medical advice if irritation persists.

INGESTION - Seek medical advice. The decision to induce vomiting or not must be made by a physician after careful consideration of all materials ingested. Risk of aspiration into lungs.

Section 5 - Fire Fighting Measures

LEL: 0.6 %

UEL: 8.0 %

Suitable Extinguishing Media

Carbon Dioxide---Dry Chemical---Foam---Water Fog
Use water for cooling material stored in vicinity of fire.

Explosion Hazards

Vapors are heavier than air and may travel along the ground to an ignition source some distance from material handling point. Ignition sources include pilot lights, smoking, heaters, electric motors, sparks from electrical switches and static discharges.

CAUTION: Never use cutting torch on empty containers! Residual solvent vapor in empty container may explode. Application to hot surfaces requires special precautions. During emergency conditions, overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain Medical Attention.

Hazardous Combustion Products

N/A

Recommended Fire Equipment

Use self-contained breathing apparatus with a full-face piece operated in a pressure-demand or other positive pressure mode. Wear protective clothing.

Section 6 - Accidental Release Measures

In Case of Spill

Evacuate non-emergency personnel, isolate the area and prevent access. Remove ignition sources. Notify management. Put on protective equipment. Control source of the leak. Ventilate. Contain the spill to prevent spread to drains, sewers, water supplies, or soil. Contact APV (**330-773-8911**) for assistance and advice.

Cover spill area with a suitable absorbent material (Kitty Litter, Oil-Dri, etc.). Saturate absorbent material with neutralization solution and mix. Wait 15 minutes. Collect material in open-head metal containers. Repeat applications of decontamination solution with scrubbing, followed by absorbent until the surface is decontaminated. Check for residual surface contamination. Swipe test kits have been used for this purpose. Apply lid loosely and allow containers to vent for 72 hours to let carbon dioxide diffuse.

To minimize vapor, cover the spillage with fire fighting foam (AFFF). Released material may be pumped into closed, but not sealing, metal containers for disposal. Process can generate heat.

Neutralization solutions

- (1) Colorimetric Laboratories Inc. (CLI) decontamination solution.
- (2) A mixture of 75% water, 20% non-ionic surfactant (e.g. Plurafac SL-62, Tergitol TMN-10) and 5% n-propanol.
- (3) A mixture of 80% water, 20% non-ionic surfactant (e.g. Plurafac SL-62, Tergitol TMN-10).
- (4) A mixture of 90% water 3-8% ammonium hydroxide or concentrated ammonia and 2% liquid detergent.

APV requires that CHEMTREC be immediately notified (**800-424-9300**) when this product is unintentionally released from its container during its course of distribution, regardless of the amount released. Distribution includes transportation, storage incidental to transportation, loading and unloading. Such notification must be immediate and made by the person have knowledge of the release.

Section 7 - Handling and Storage

Precautions for Safe Handling

Keep away from food, drink and heat. Keep away from sources of ignition. No smoking. Do not breathe vapor. Avoid contact with skin and eyes. Never use pressure to empty. Take precautionary measures against static discharges.

Storage temperature-

Minimum: do not freeze
Maximum: 40°C (104°F)

Storage Period- See technical data sheet.

Section 8 - Exposure Controls / Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Calcium Carbonate 1317-65-3	15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction)	10 mg/m ³ TWA (total dust)	NIOSH: 10 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable dust)

Naphtha, petroleum, hydrotreated light 64742-49-0	N/A	N/A	N/A
Hydrated aluminum silicate 1332-58-7	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)	2 mg/m3 TWA (particulate matter containing no asbestos and <1% crystalline silica, respirable fraction)	NIOSH: 10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust)
Trade Secret N/A	N/A	N/A	N/A
Resin acids and Rosin acids, esters with glycerol 8050-31-5	N/A	N/A	N/A
Resin acids and Rosin acids, hydrogenated, esters with triethylene glycol 68648-53-3	N/A	N/A	N/A
Pyrogenic colloidal silica 112945-52-5	20ppcf; TWA - Occupational Exposure Limits (OSHA) - Table Z-3 Mineral Dusts	N/A	N/A
1-(2-hydroxyethyl)-2-heptadecenylimidazoline 27136-73-8	N/A	N/A	N/A
Carbon Black 1333-86-4	3.5 mg/m3 TWA	3 mg/m3 TWA (inhalable fraction)	NIOSH: 3.5 mg/m3 TWA; 0.1 mg/m3 TWA (Carbon black in presence of Polycyclic aromatic hydrocarbons, as PAH)
Crystalline Silica 14808-60-7	10 mg/m PEL (dust)	0.025 mg/m3 TWA (respirable fraction)	NIOSH: 0.05 mg/m3 TWA (respirable dust)

Provide sufficient ventilation in volume and pattern to keep air containment concentration below current applicable OSHA permissible exposure limit or ACGIH TLV limit, and volatiles below lower explosive limit. Heavy solvent vapors should be removed from the lower levels of area, and all ignition sources (non-explosion proof equipment) should be eliminated if flammable mixtures will be encountered. Remove decomposition products formed during welding or flame cutting of surfaces coated with this product. For baking finishes - vent vapors emitted on heating.

Respiratory Protection- Operator is to use an approved half mask organic vapor respirator under normal conditions. An air supplied, positive pressure respirator may be required if working conditions do not provide adequate ventilation to keep exposures below the limits.

Skin and Body Protection- Wear chemical resistant gloves (nitrile) and paint suits. The most suitable glove must be chosen in consultation with the gloves supplier who can inform about the breakthrough time of the glove material.

Eye Protection- Wear approved chemical safety goggles where exposure to vapor or contact with eyes is possible. Eye wash stations should also be made available.

Section 9 - Physical and Chemical Properties

Information on basic physical and chemical properties:

% Weight Solids 84.07 VOC Wt/Gal (wet) 2.00 Specific Gravity (SG) 1.520	% Volume Solids 68.30 U.S. VOC Wt/Gal (wet) 2.00 Odor: Hydrocarbon
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Color: Black Boiling Point: 40°C LEL/UEL 1% - 8%	pH: N/a Flash Point: 68 F,20 C Autoignition Temperature: 280°C
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Section 10 - Stability and Reactivity

The following materials should be avoided in contact with the mixture

- Strong acids
- Oxidizing agents
- Strong reducing agents

Hazardous decomposition products

- Carbon oxides
- Hazardous polymerization will not occur.

Section 11 - Toxicological Information

Mixture Toxicity

Inhalation Toxicity: 4,438.89mg/L

Component Toxicity:

Component Description Oral, Dermal, Inhalation Toxicity	Ecotoxicity:
Calcium Carbonate Oral:5,000.00 mg/kg (Rat)	N/A
Naphtha, petroleum, hydrotreated light Oral:5,000.00 mg/kg (Rat) Dermal: 3,160.00 mg/kg (Rabbit)	96 Hr LC50 Chaetogammarus marinus: 2.6 mg/L
Hydrated aluminum silicate	N/A
Trade Secret	N/A
Resin acids and Rosin acids, esters with glycerol	96 Hr LC50 Brachydanio rerio: >400 mg/L [static] 48 Hr EC50 Daphnia magna: 259 mg/L 72 Hr EC50 Pseudokirchneriella subcapitata: >1000 mg/L
Resin acids and Rosin acids, hydrogenated, esters with triethylene glycol	N/A
Pyrogenic colloidal silica Oral:3,160.00 mg/kg (Rat)	N/A
1-(2-hydroxyethyl)-2-heptadecenyylimidazoline	N/A
Carbon Black	24 Hr EC50 Daphnia magna: >5600 mg/L 96 Hr LC50 Brachydanio rerio > 1000 mg/L 72 Hr EC50 Algae > 10000 mg/L 3 Hr EC0 Activated sludge > 800 mg/L
Cyrstalline Silica Oral:500.00 mg/kg (Rat)	N/A

LC₅₀ and LD₅₀ toxicity for this product have yet to be determined. For individual component ecotoxicity, please refer to Section 11.

Section 12 - Ecological Information

Mixture Ecotoxicity

Toxicity- Do not release into environment. May cause long term adverse effects.

Persistence and degradability- N/A

Bioaccumulative potential- N/A

Mobility in Soil- N/A

Section 13 - Disposal Considerations

Dispose of in accordance with federal, state and local regulations. Controlled incineration is recommended for disposal of unused product. Prevent contamination of soil, drains and surface waters. Dispose of large containers to a licensed reconditioner. Dispose of small containers in compliance with local regulations.

Section 14 - Transport Information

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	Adhesive	1133	III	3

Section 15 - Regulatory Information

The following chemicals are listed in California Title 8 CCR Sections as Hazardous Substances
1333-86-4 Carbon Black

The following chemicals are listed in Section 64 of the Canadian Environmental Protection Act, 1999 (CEPA)
- None

The following chemicals are classified by China - Environmental Quality Standards for Surface Water
- None

The following chemicals have been listed by the EU-End of Life Vehicles (2000/53/EC) (ELV):
- None

The following chemicals are listed in the EU-Substances of Very High Concern (2008/67/ED) (SVHC):
64742-49-0 Naphtha, petroleum, hydrotreated light Carcinogens

The following chemicals are listed in the EU-Restriction of the use of certain Hazardous Substances (2011/65/EU) (RoHS):
- None

The following chemicals are listed under the European Union- Waste Electrical and Electronic Equipment (2012/19/EU) (WEEE)
- None

The following chemicals are included in the Global Automotive Declarable Substance List (GADSL)
14808-60-7 Crystalline Silica

The following substances are regulated by the VwVwS (WGK) German regulation on water hazard classification.
14808-60-7 Crystalline Silica Non-hazardous (NWG)
1333-86-4 Carbon Black Non-hazardous (NWG)
68648-53-3 Resin acids and Rosin acids, hydrogenated, esters with triethylene glycol Non-hazardous (NWG)
8050-31-5 Resin acids and Rosin acids, esters with glycerol Non-hazardous (NWG)
1332-58-7 Hydrated aluminum silicate Non-hazardous (NWG)
1317-65-3 Calcium Carbonate Non-hazardous (NWG)

Substances labeled as "Hazardous to waters" range from *low* hazard to *severe* hazard to waters.

The following substances are required for notification by the Japanese Enforcement Order of the Industrial Safety and Health Law (ISHL):

- 14808-60-7 Crystalline Silica
- 1333-86-4 Carbon Black
- 112945-52-5 Pyrogenic colloidal silica

The following chemicals are listed on the Massachusetts Right-to-Know Hazardous Substances List.

- 14808-60-7 Crystalline Silica
- 1333-86-4 Carbon Black
- 1332-58-7 Hydrated aluminum silicate
- 1317-65-3 Calcium Carbonate

The following chemicals are listed on the New Jersey Right-to-Know Hazardous Substances List.

- 14808-60-7 Crystalline Silica
- 1333-86-4 Carbon Black
- 1332-58-7 Hydrated aluminum silicate
- 1317-65-3 Calcium Carbonate

The following chemicals are listed on the Pennsylvania Right-to-Know Hazardous Substances List.

- 14808-60-7 Crystalline Silica
- 1333-86-4 Carbon Black
- 1332-58-7 Hydrated aluminum silicate
- 1317-65-3 Calcium Carbonate

The following chemicals are listed by the State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

- 14808-60-7 Crystalline Silica Carcinogen
- 1333-86-4 Carbon Black Carcinogen

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA) requires certain facilities manufacturing, processing, or otherwise using listed toxic chemicals to report their environmental releases of such chemicals annually. The following chemicals are listed:

- None

Under Section 12(b) of the Toxic Substances Control Act (TSCA), exporters may need to notify the U.S. Environmental Protection Agency if they export or intend to export a product containing a chemical substance that is present on this list. The following substances are contained within this material:

- None

The following chemicals are listed as a *Hazardous Air Pollutant* under listed under the U.S. CAA (Clean Air Act)

- None

<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Canadian Domestic Substances List (DSL)	No
Canada	Canadian Non-Domestic Substances List (NSDL)	No
China	Inventory of Existing Chemical Substances Produced or Im	No
Europe	European Inventory of Existing Commercial Chemical Subs	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Europe	REACH Registered or Pre-Registered Substances and Inte	Yes
Japan	Japanese Inventory of Existing and New Chemical Substar	Yes
Japan	Japan Inventory of Industrial Safety and Health Law Substa	No
Korea	Korean Existing Chemical Inventory (KECI)	Yes
New Zealand	New Zealand Inventory of Chemicals (NZIoC)	Yes
Philippines	Philippines Inventory of Chemicals and Chemical Substanc	Yes
USA	Toxic Substances and Control Act (TSCA)	Yes



EU Risk Phrases

R11: Highly flammable
R23/24/25: Toxic by inhalation, in contact with skin and if swallowed

Safety Phrase

S16: Keep away from sources of ignition - No smoking
S61: Avoid release to the environment. Refer to special instructions/safety data sheet
S3/14: Keep in a cool place away from ... (incompatible materials to be indicated by the manufacturer)
S24/25: Avoid contact with skin and eyes
S36/37/39: Wear suitable protective clothing, gloves and eye/face protection
S47/49: Keep only in the original container at temperature not exceeding ... °C (to be specified by the manufacturer)

Section 16 - Other Information

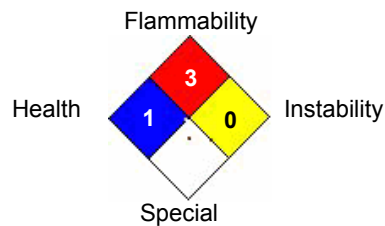
NFPA and HMIS use a numbering scale ranging from 0 to 4 to indicate the degree of hazard . A value of zero means that the substance possesses essentially no hazard; a rating of four indicates extreme danger. Although similar, the two rating systems are intended for different purposes, and use different criteria . The NFPA system was developed to provide an on-the-spot alert to the hazards of a material, and their severity, to emergency responders . The HMIS system was designed to communicate workplace hazard information to employees who handle hazardous chemicals.

Hazardous Material Information System (HMIS)

HEALTH	1
FLAMMABILITY	3
PHYSICAL HAZARD	0
PERSONAL PROTECTION	H

HMIS & NFPA Hazard Rating Legend
* = Chronic Health Hazard
0 = INSIGNIFICANT
1 = SLIGHT
2 = MODERATE
3 = HIGH

National Fire Protection Association (NFPA)



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Date revised: 2014-10-27

Reviewer Revision 2

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.