



Material Safety Data Sheet

Revision Date 17-Mar-2014

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product code P10633A
Product name CHANNEL GRIP ADHESIVE A - 1.7 OZ
Recommended Use Adhesive
Supplier Kent Automotive
 8770 W.Bryn Mawr Ave. - Suite 900
 Chicago, IL 60631
 1-866-529-7664
Emergency telephone number (888) 426-4851

2. HAZARDS IDENTIFICATION

Emergency Overview
 Irritant. Harmful if swallowed.

Aggravated Medical Conditions
 None Known

Principal Routes of Exposure
 Eyes. Skin. Ingestion. Inhalation.

Potential health effects

Eyes Moderately irritating to the eyes. Redness. Tearing.

Skin Allergic reaction. Itching. Moderate irritation.

Inhalation May cause irritation of respiratory tract. Nasal irritation. Shortness of breath.

Ingestion Harmful if swallowed. Gastrointestinal irritation. Nausea.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Proprietary Mercaptan Polymer	Trade Secret	60-100
Calcium Carbonate	1317-65-3	7-13
2,4,6-Tri(dimethylaminomethyl)phenol	90-72-2	5-10
Mercaptan/Amine Blend	Trade Secret	1-5

4. FIRST AID MEASURES

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical attention.

Skin contact Wash off immediately with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.

Ingestion Call a physician or Poison Control Center immediately.

Inhalation Remove to fresh air. Get medical attention if cough or respiratory symptoms develop.

5. FIRE FIGHTING MEASURES

Flash point °C 257
Flash point °F 495
Method Open cup

Autoignition temperature °C No data available
Autoignition temperature °F No data available

Flammability Limits (% in Air)
Upper No data available
Lower No data available

Suitable extinguishing media
 Foam. Carbon dioxide (CO₂). Dry chemical. Water fog.

Special protective equipment for firefighters
 As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Special Fire-Fighting Procedures
 Water should be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

Fire and Explosion Hazards
 Firefighters should wear NIOSH/MSHA approved (or equivalent) self-contained pressure-demand breathing apparatus and full protective clothing.

Sensitivity to shock
 No information available.

Sensitivity to static discharge
 No information available.

6. ACCIDENTAL RELEASE MEASURES**Methods for cleaning up**

Eliminate all sources of ignition. Evacuate area of unprotected and unnecessary personnel. Shut off source of leak if safe to do so. Do not allow product to reach sewage system, soil, surface or ground water, or any water course. Notify proper authorities if entry occurs. Soak up excess with absorbent material. Pick up and transfer to properly labelled containers.

7. HANDLING AND STORAGE**Handling**

Avoid contact with skin and eyes. Ensure adequate ventilation. Thoroughly wash hands and exposed skin after handling. Keep container closed when not in use.

Storage

Keep in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Proprietary Mercaptan Polymer	-	-	-	-
Calcium Carbonate	15 mg/m ³	-	-	-
2,4,6-Tri(dimethylamino methyl)phenol	-	-	-	-
Mercaptan/Amine Blend	-	-	-	-

Ventilation and Environmental Controls

Provide local exhaust ventilation. If current ventilation practices are not adequate in maintaining airborne concentrations below the established exposure limits, additional ventilation or exhaust systems may be required.

Hygiene measures

General industrial hygiene practice

Respiratory protection

Wear a NIOSH approved respirator with chemical/mechanical filters for chemicals listed in Section 3 when ventilation is restricted.

Hand Protection

Chemical resistant gloves. Gloves are recommended to prevent prolonged or repeated contact. Impervious gloves.

Eye protection

Goggles. Safety glasses with side-shields.

Skin and body protection

None necessary under normal conditions

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Solid
Color	Off-white
Odor	Sulphurous
Odor Threshold	No information available
pH	No data available
Specific Gravity	No data available
Vapor pressure	No data available
Vapor density	>1 (Air = 1)
Evaporation Rate	No data available
Water solubility	Slightly soluble
Partition Coefficient (n-octanol/water)	No data available
Boiling point/range °C	No data available
Boiling point/range °F	No data available
Melting point/range °C	No data available
Melting point/range °F	No data available
Flash point °C	257
Flash point °F	495

10. STABILITY AND REACTIVITY**Stability**

Stable under normal conditions.

Conditions to avoid

No information available

Incompatibility

Incompatible with oxidizing agents.

Hazardous Decomposition Products

Carbon oxides. Carbon dioxide. Carbon monoxide. Sulfur oxides. smoke.

Polymerization

Will not occur.

11. TOXICOLOGICAL INFORMATION**Component Information**

Chemical Name	LD50 (oral, rat)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat)
Proprietary Mercaptan Polymer Trade Secret	-	-	-
Calcium Carbonate 1317-65-3	-	-	-
2,4,6-Tri(dimethylamino methyl)phenol 90-72-2	1000 mg/kg	1280 mg/kg	-
Mercaptan/Amine Blend Trade Secret	-	-	-

Synergistic Products None known**Potential health effects****Sensitization** None known**Chronic toxicity** None known**Mutagenic effects** None known**Teratogenic effects** None known**Reproductive toxicity** None known**Target Organ Effects** See Section 2**Carcinogenic effects** See table below

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Proprietary Mercaptan Polymer	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Calcium Carbonate	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
2,4,6-Tri(dimethylaminomethyl)phenol	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Mercaptan/Amine Blend	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

12. ECOLOGICAL INFORMATION**13. DISPOSAL CONSIDERATIONS****Waste from residues / unused products**

Dispose in accordance with federal, state, and local regulations. Do not contaminate water by disposal.

14. TRANSPORTATION INFORMATION**DOT**

Not Regulated

TDG

Not Regulated

15. REGULATORY INFORMATION**State Regulations**

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Proprietary Mercaptan Polymer	Not Listed	Not Listed	Not Listed
Calcium Carbonate	Not Listed	Listed	Not Listed
2,4,6-Tri(dimethylaminomethyl)phenol	Not Listed	Not Listed	Not Listed
Mercaptan/Amine Blend	Not Listed	Not Listed	Not Listed

International Inventories

Chemical Name	EINECS	DSL	NDSL	TSCA
Proprietary Mercaptan Polymer	-	-	-	-
Calcium Carbonate	X	-	X	X
2,4,6-Tri(dimethylaminomethyl)phenol	X	X	-	X
Mercaptan/Amine Blend	-	-	-	-

CPR

This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all of the information required by the Controlled Product Regulations

16. OTHER INFORMATION**Health - 2****Flammability - 1****Physical Hazard - 0****Prepared By**

V. Shargorodsky, Regulatory Affairs Engineer

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.



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Aggravated Medical Conditions
 None Known

Principal Routes of Exposure
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Potential health effects

Eyes Moderately irritating to the eyes. Redness. Tearing.
Skin Allergic reaction . Itching. Moderate irritation.
Inhalation May cause irritation of respiratory tract. Nasal irritation. Shortness of breath.
Ingestion Harmful if swallowed. Gastrointestinal irritation. Nausea.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Bisphenol A - Epichlorohydrin polymer	25068-38-6	40-70
Calcium Carbonate	1317-65-3	7-13
Modified Bisphenol Resin Mixture	68909-14-8	5-10
Castor oil glycidyl ether	74398-71-3	1-5
Ethylene glycol	107-21-1	0.5-1.5

4. FIRST AID MEASURES

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical attention.
Skin contact Wash off immediately with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.
Ingestion Call a physician or Poison Control Center immediately.
Inhalation Remove to fresh air. Get medical attention if cough or respiratory symptoms develop.

5. FIRE FIGHTING MEASURES

Flash point °C 93
Flash point °F 200
Method No information available
Autoignition temperature °C No data available
Autoignition temperature °F No data available
Flammability Limits (% in Air)
Upper No data available
Lower No data available

Suitable extinguishing media
 Foam. Carbon dioxide (CO₂). Dry chemical. Water fog.

Special protective equipment for firefighters
 As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

Special Fire-Fighting Procedures
 Water should be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

Fire and Explosion Hazards
 Firefighters should wear NIOSH/MSHA approved (or equivalent) self-contained pressure-demand breathing apparatus and full protective clothing.

Sensitivity to shock
 No information available.

Sensitivity to static discharge
 No information available.

6. ACCIDENTAL RELEASE MEASURES**Methods for cleaning up**

Eliminate all sources of ignition. Evacuate area of unprotected and unnecessary personnel. Shut off source of leak if safe to do so. Do not allow product to reach sewage system, soil, surface or ground water, or any water course. Notify proper authorities if entry occurs. Soak up excess with absorbent material. Pick up and transfer to properly labelled containers.

7. HANDLING AND STORAGE**Handling**

Avoid contact with skin and eyes. Ensure adequate ventilation. Thoroughly wash hands and exposed skin after handling. Keep container closed when not in use.

Storage

Keep in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Bisphenol A - Epichlorohydrin polymer	-	-	-	-
Castor oil glycidyl ether	-	-	-	-
Calcium Carbonate	15 mg/m ³	-	-	-
Modified Bisphenol Resin Mixture	-	-	-	-
Ethylene glycol	-	-	-	-

Ventilation and Environmental Controls

Provide local exhaust ventilation. If current ventilation practices are not adequate in maintaining airborne concentrations below the established exposure limits, additional ventilation or exhaust systems may be required.

Hygiene measures

General industrial hygiene practice

Respiratory protection

Wear a NIOSH approved respirator with chemical/mechanical filters for chemicals listed in Section 3 when ventilation is restricted.

Hand Protection

Chemical resistant gloves. Gloves are recommended to prevent prolonged or repeated contact. Impervious gloves.

Eye protection

Goggles. Safety glasses with side-shields.

Skin and body protection

None necessary under normal conditions

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Solid
Color	Black
Odor	Sulphurous
Odor Threshold	No information available
pH	No data available
Specific Gravity	No data available
Vapor pressure	No data available
Vapor density	>1 (Air = 1)
Evaporation Rate	No data available
Water solubility	Slightly soluble
VOC Content	0.07
Partition Coefficient (n-octanol/water)	No data available
Boiling point/range °C	No data available
Boiling point/range °F	300
Melting point/range °C	No data available
Melting point/range °F	No data available
Flash point °C	93
Flash point °F	200

10. STABILITY AND REACTIVITY**Stability**

Stable under normal conditions.

Conditions to avoid

No information available

Incompatibility

Incompatible with oxidizing agents.

Hazardous Decomposition Products

Carbon oxides. Carbon dioxide. Carbon monoxide. Sulfur oxides. smoke.

Polymerization

Will not occur.

11. TOXICOLOGICAL INFORMATION**Component Information**

Chemical Name	LD50 (oral, rat)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat)
<i>Bisphenol A - Epichlorohydrin polymer</i> 25068-38-6	-	-	-
<i>Castor oil glycidyl ether</i> 74398-71-3	-	-	-
<i>Calcium Carbonate</i> 1317-65-3	-	-	-

Chemical Name	LD50 (oral, rat)	LD50 (dermal ,rat/rab bit)	LC50 (inhalation, rat)
Modified Bisphenol Resin Mixture 68909-14-8	-	-	-
Ethylene glycol 107-21-1	4000 mg/kg	-	-

Synergistic Products None known

Potential health effects

Sensitization None known

Chronic toxicity None known

Mutagenic effects None known

Teratogenic effects None known

Reproductive toxicity None known

Target Organ Effects See Section 2

Carcinogenic effects See table below

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Bisphenol A - Epichlorohydrin polymer	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Castor oil glycidyl ether	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Calcium Carbonate	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Modified Bisphenol Resin Mixture	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Ethylene glycol	A4	Not Listed	Not Listed	Not Listed	Not Listed

12. ECOLOGICAL INFORMATION

Ethylene glycol

Microtox Data

Pseudomonas putida EC50=10000 mg/L (16 h)

Photobacterium phosphoreum EC50=620 mg/L (30 min)

Photobacterium phosphoreum EC50=620.0 mg/L (30 min)

Water Flea Data

Daphnia magna EC50=46300 mg/L (48 h)

Aquatic toxicity

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products

Dispose in accordance with federal, state, and local regulations. Do not contaminate water by disposal.

14. TRANSPORTATION INFORMATION

DOT

Not Regulated

TDG

Not Regulated

15. REGULATORY INFORMATION

Chemical Name	US EPA SARA 313 Emission Reporting
Ethylene glycol	Listed

State Regulations

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Bisphenol A - Epichlorohydrin polymer	Not Listed	Not Listed	Not Listed
Castor oil glycidyl ether	Not Listed	Not Listed	Not Listed
Calcium Carbonate	Not Listed	Listed	Not Listed
Modified Bisphenol Resin Mixture	Not Listed	Not Listed	Not Listed
Ethylene glycol	Listed	Listed	Not Listed

International Inventories

Chemical Name	EINECS	DSL	NDSL	TSCA
Bisphenol A - Epichlorohydrin polymer	-	X	-	X
Castor oil glycidyl ether	-	X	-	X
Calcium Carbonate	X	-	X	X
Modified Bisphenol Resin Mixture	-	X	-	X
Ethylene glycol	X	X	-	X

CPR

This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all of the information required by the Controlled Product Regulations

16. OTHER INFORMATION

Health - 2
Flammability - 1
Physical Hazard - 0

Product code **P10633B**

Product name **CHANNEL
GRIP ADHESIVE B - 1.7 OZ**

16. OTHER INFORMATION

Prepared By

V. Shargorodsky, Regulatory Affairs
Engineer

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.