

SAFETY DATA SHEET**1. Identification****Product Name:** CS553/ PHLEX (Ready-to-Use)**Product Code:** B6680**SDS Date:** 10/16/2017**Use:** Industrial

Express Chem LLC; Mast-Away Mastic Removers600 West
Woodbine Avenue, Kirkwood, MO 63122
masticremover.com

General Information: 314-644-1300**CHEMTREC: 800-424-9300** Ref. Chemisphere**2. Hazard(s) identification****GHSClassification**

Eye irritation (Category 2)
Skin Irritation (Category 2)
Specific target organ systemic toxicity – repeated exposure, (Category 2), Inhalation

Pictogram**Signalword** Danger**HazardStatement**

Causes skin irritation.
Causes serious eye irritation.
May cause damage to organs through prolonged or repeated exposure.

Precautionary

DO not breathe gas/mist/ vapors/ spray. Wash thoroughly after handling. Wear eye protection/ face protection/ protective gloves. 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 water. If skin irritation occurs: Get medical advice/ attention. Get medical advice/attention if you feel unwell. Take off contaminated clothing and wash it before reuse. Dispose of contents/ container in accordance with local/ regional/ national/ international regulations.

Hazards not otherwise classified: Not available

3. Composition/information on ingredients

Name	CAS	Concentration
Potassium Hydroxide	1310-58-3	1-5
Ethylenediaminetetraacetic acid, tetrasodium salt	64-02-8	1-10
Sodium Hydroxide	1310-73-2	<1
Sodium Silicate	1344-09-8	1-20
Polyoxyethylene mono(octylphenyl)ether	9002-93-1	1-10

4. First-aid measures

General Advice	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
If Inhaled	Move to fresh air. Call a physician if symptoms develop or persist.
In Case of Skin Contact	Take off immediately all contaminated clothing. Rinse skin with water/shower. Call a physician or poison control center immediately. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse.
In Case of 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. Call a physician or poison control center immediately.
If Swallowed	Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

Most important symptoms and effects, both acute and delayed

Burning pain and severe corrosive skin damage. Nausea, vomiting. Diarrhea. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Coughing.

Indications of any immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically. Chemical 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.

5. Fire-fighting measures

Extinguishing Media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂).
Special Hazards	During fire, gases hazardous to health may be formed.
Advice for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Move containers from fire area if you can do so without risk. Use standard firefighting procedures and consider the hazards of other involved materials. No unusual fire or explosion

hazards noted.

Further Information

Do not use water jet as an extinguisher, as this will spread the fire.

6. Accidental release measures

Personal precautions, protective equipment, and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. 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. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 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.

Methods and materials for containment and cleaning up

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. Absorb in vermiculite, dry sand or earth and place into containers. Prevent product from entering drains. Following product recovery, flush area with water.

Small Spills: 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.

7. Handling and storage

Safe Handling

Provide adequate ventilation. Do not breathe mist or vapor. Do not get in eyes, on skin, or on clothing. Avoid prolonged exposure. Do not taste or swallow. When using, do not eat, drink or smoke. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

Safe Storage

Store locked up. Store in original tightly closed container. Store away from incompatible materials

8. Exposure controls/personal protection

Name		CAS	
Potassium Hydroxide		1310-58-3	
OSHA TWA	OSHA STEL	ACGIH TWA	ACGIH STEL
Not Available	Not Available	2 mg/m3	Not Available
Ethylenediaminetetraacetic acid, tetrasodium salt		64-02-8	
OSHA TWA	OSHA STEL	ACGIH TWA	ACGIH STEL
No data available	No data available	No data available	No data available
Sodium Hydroxide		1310-73-2	
OSHA TWA	OSHA STEL	ACGIH TWA	ACGIH STEL
2 mg/m3	Not Available	2 mg/m3	Not Available

Sodium Silicate		1344-09-8	
OSHA TWA	OSHA STEL	ACGIH TWA	ACGIH STEL
No data available	No data available	No data available	No data available
Polyoxyethylene mono(octylphenyl)ether		9002-93-1	
OSHA TWA	OSHA STEL	ACGIH TWA	ACGIH STEL
Not Available	Not Available	Not Available	Not Available

Engineering Control

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.

Eye/Face Protection

Wear safety glasses with side shields (or goggles) and a face shield.

Skin Protection

Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.

Body Protection

Wear appropriate chemical resistant clothing.

Respiratory Protection

In case of insufficient ventilation, wear suitable respiratory equipment.

Control of Environmental Exposure

9. Physical and chemical properties

Appearance	Potassium Hydroxide	Liquid
Odor	Potassium Hydroxide	Not Available
Odor Threshold	Potassium Hydroxide	Not Available
pH	Potassium Hydroxide	Not Available
Melting/Freezing Point	Potassium Hydroxide	-20F
Initial Boiling Point/Range	Potassium Hydroxide	270F
Flash Point	Potassium Hydroxide	Not Available
Evaporation Rate	Potassium Hydroxide	Not Available
Flammability	Potassium Hydroxide	Not Available
Upper Explosion Limit	Potassium Hydroxide	Not Available
Lower Explosion Limit	Potassium Hydroxide	Not Available
Vapor Pressure	Potassium Hydroxide	0.3 hPa estimated
Vapor Density	Potassium Hydroxide	Not Available
Relative Density	Potassium Hydroxide	Not Available
Water Solubility	Potassium Hydroxide	Not Available
Partition Coefficient	Potassium Hydroxide	Not Available
Auto Ignition Temperature	Potassium Hydroxide	Not Available
Decomposition Temperature	Potassium Hydroxide	Not Available
Viscosity	Potassium Hydroxide	Not Available

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 Contact with incompatible materials.

Incompatible materials Acids. Maleic anhydride.

Hazardous Decomposition Products No hazardous decomposition products are known.

11. Toxicological information

Name	CAS
Potassium Hydroxide	1310-58-3
Oral: No data available	
Inhalation: No data available	
Dermal: No data available	
Skin corrosion/irritation No data available	
Serious eye damage/eye irritation No data available	
Respiratory or skin sensitization No data available	
Germ cell mutagenicity No data available	
Carcinogenicity Not identified as probable, possible or confirmed human carcinogen by IARC, NTP, or OSHA	
Reproductive No data available	
Additional information Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., spasm, inflammation and edema of the larynx, spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary edema, burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, Nausea	

Name	CAS
Ethylenediaminetetraacetic acid, tetrasodium salt	64-02-8
Oral: LD50: 1,780 mg/kg	
Species: Rat	
Inhalation: LC50 (Rat): > 1 - 5 mg/l	
Exposure time: 4 h	
Dermal: no data available	
Skin corrosion/irritation Causes skin irritation.	
Serious eye damage/eye irritation Result: Risk of serious damage to eyes.	
Respiratory or skin sensitization Result: Does not cause skin sensitization.	
Germ cell mutagenicity In vitro tests did not show mutagenic effects	
Carcinogenicity Not identified as probable, possible or confirmed human carcinogen by IARC, NTP, or OSHA	
Reproductive No data available	
Additional information May be harmful if swallowed.	

Name	CAS
Sodium Hydroxide	1310-73-2
Oral: No data available	
Inhalation: No data available	
Dermal: No data available	
Skin corrosion/irritation Result: Causes severe burns. - 24 h	
Serious eye damage/eye irritation Result: Corrosive - 24 h	
Respiratory or skin sensitization No data available	
Germ cell mutagenicity No data available	
Carcinogenicity Not identified as probable, possible or confirmed human carcinogen by IARC, NTP, or OSHA	
Reproductive No data available	
Additional information Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin.	

Name	CAS
Sodium Silicate	1344-09-8
Oral LD50 (rat) 3400 mg/kg	
Inhalation LC50 (rat) >2.06 g/m ³	
Dermal LD50 (rat) >5000 mg/kg bw	
Skin corrosion/irritation	Irritating to skin.
Serious eye damage/eye irritation	Irritating to eyes.
Respiratory or skin sensitization	Not sensitising.
Germ cell mutagenicity	No evidence of genotoxicity. In vitro/in vivo negative.
Carcinogenicity	Not identified as probable, possible or confirmed human carcinogen by IARC, NTP, or OSHA
Reproductive	No evidence of reproductive toxicity or developmental toxicity.
Additional information	No data available
Name	CAS
Polyoxyethylene mono(octylphenyl)ether	9002-93-1
LD50 Oral - Rat - 1,800 mg/kg	
Inhalation: No data available	
LD50 Dermal - Rabbit - 8,000 mg/kg	
Skin corrosion/irritation	No data available
Serious eye damage/eye irritation	Result: Moderate eye irritation - 24 h
Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	Not identified as probable, possible or confirmed human carcinogen by IARC, NTP, or OSHA
Reproductive	No data available
Additional information	No data available

12. Ecological information

Name	CAS	Toxicity
Potassium Hydroxide	1310-58-3	No data available

Ethylenediaminetetraacetic a	64-02-8	LC50: > 100 mg/1 Exposure time: 96 h Species: Fish EC50: > 500 mg/1 Exposure time: 24 h Species: Daphnia magna (Water flea) EC50: > 1 00 mg/1 Exposure time: 72 h Species: algea
Sodium Hydroxide	1310-73-2	LC50 - Gambusia affinis (Mosquito fish) - 125 mg/l - 96 h LC50 - Oncorhynchus mykiss (rainbow trout) - 45.4 mg/l - 96 h EC50 - Daphnia (water flea) - 40.38 mg/l - 48 h
Sodium Silicate	1344-09-8	Fish (Brachydanio rerio) LC50 (96 hour) 1108 mg/l Aquatic invertebrates: (Daphnia magna) EC50 (48 hour) 1700 mg/l
Polyoxyethylene mono(octylp	9002-93-1	LC50 - Pimephales promelas (fathead minnow) - 8.9 mg/l - 96.0 h, EC50 - Daphnia (water flea) - 26 mg/l - 48 h

13. Disposal considerations

Dispose of contents/container in accordance with local/regional/national/international regulations.

14. Transport information

Proper Shipping Name	NOT DOT REGULATED
Hazard Class	NOT DOT REGULATED
Identification Number	NOT DOT REGULATED
Packing Group	NOT DOT REGULATED
Label	NOT DOT REGULATED

15. Regulatory information

Name	CAS
Potassium Hydroxide	1310-58-3

SARA 302/304 No components were identified

SARA 313 No components were identified

CERCLA RQ=1,000 lbs

SARA 311/312 Acute Health Hazard, Chronic Health Hazard

PROP 65 No components were identified

This product and/or its components are listed on the Toxic Substances Control Act (TSCA) inventory.

Name	CAS
Ethylenediaminetetraacetic acid, tetrasodiu	64-02-8

SARA 302/304 No components were identified

SARA 313 No components were identified

CERCLA No components were identified

SARA 311/312 Acute Health Hazard, Chronic Health Hazard

PROP 65 No components were identified

This product and/or its components are listed on the Toxic Substances Control Act (TSCA) inventory.

Name	CAS
Sodium Hydroxide	1310-73-2

SARA 302/304 No components were identified

SARA 313 No components were identified

CERCLA RQ=1,000 lbs

SARA 311/312 Acute Health Hazard, Chronic Health Hazard

PROP 65 No components were identified

This product and/or its components are listed on the Toxic Substances Control Act (TSCA) inventory.

Name	CAS
Sodium Silicate	1344-09-8
SARA 302/304	No components were identified
SARA 313	No components were identified
CERCLA	No components were identified
SARA 311/312	Acute Health Hazard
PROP 65	No components were identified
This product and/or its components are listed on the Toxic Substances Control Act (TSCA) inventory.	
Name	CAS
Polyoxyethylene mono(octylphenyl)ether	9002-93-1
SARA 302/304	No components were identified
SARA 313	No components were identified
CERCLA	No components were identified
SARA 311/312	Acute Health Hazard
PROP 65	No components were identified
This product and/or its components are listed on the Toxic Substances Control Act (TSCA) inventory.	

16. Other information, including date of preparation or last revision**SDS Date:** 10/16/2017

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