



1 Identification

- **Product identifier:** PS088 Finishing Glaze
- **Stock / Code:** PS088 / 2088
- **Application of the substance / the mixture** Knife filler/ Surfacer
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
DOMINION SURE SEAL LTD.
6175 Danville Road Mississauga, Ontario
CANADA L5T 2H7
Phone: 905-670-5411
Fax : 905-670-5174
Internet : <http://www.dominionsureseal.com>
- **Emergency telephone number:** CANUTEC:(613) 996-6666 / CHEMTREC: (800) 424-9300

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02 Flame

Flammable Liquids - Category 3

H226

Flammable liquid and vapour.



GHS08 Health hazard

Reproductive Toxicity - Category 2

H361-H362 Suspected of damaging fertility or the unborn child. May cause harm to breast-fed children.

Specific Target Organ Toxicity - Repeated Exposure - Category 1

H372 Causes damage to the hearing organs through prolonged or repeated exposure.



GHS07

Skin Irritation - Category 2

H315

Causes skin irritation.

Eye Irritation - Category 2A

H319

Causes serious eye irritation.

- **Label elements**

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**



GHS02



GHS07



GHS08

- **Signal word** Danger

- **Hazard-determining components of labeling:**

styrene

- **Hazard statements**

H226 Flammable liquid and vapour.

H315 Causes skin irritation.

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H319 Causes serious eye irritation.

H361-H362 Suspected of damaging fertility or the unborn child. May cause harm to breast-fed children.

H372 Causes damage to the hearing organs through prolonged or repeated exposure.

· Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read label before use.

P263 Avoid contact during pregnancy and while nursing.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· Hazard description:

· WHMIS-symbols:

B2 - Flammable liquid

D2A - Very toxic material causing other toxic effects



· Classification system:

· NFPA ratings (scale 0 - 4)



Health = 1

Fire = 3

Reactivity = 0

· HMIS-ratings (scale 0 - 4)



Health = *1

Fire = 3

Reactivity = 0

· Other hazards

· Results of PBT and vPvB assessment

· PBT: Not applicable.

· vPvB: Not applicable.

3 Composition/information on ingredients

· Chemical characterization: Mixtures

· Description: Mixture of the substances listed below with nonhazardous additions.

· Dangerous components:

100-42-5	styrene	12.5-<25% w/w
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4 First-aid measures

- **Description of first aid measures**
- **General information:**
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- **After inhalation:**
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** Mouth respiratory protective device.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
Do not flush with water or aqueous cleansing agents
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.

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- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Storage class:** 3
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**

· **Components with limit values that require monitoring at the workplace:**

100-42-5 styrene

EL Short-term value: 75 ppm
 Long-term value: 50 ppm
 IARC 2B

EV Short-term value: 100 ppm
 Long-term value: 35 ppm

· **Additional information:** The lists that were valid during the creation were used as basis.

- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
 Keep away from foodstuffs, beverages and feed.
 Immediately remove all soiled and contaminated clothing.
 Wash hands before breaks and at the end of work.
 Avoid contact with the eyes and skin.

· **Breathing equipment:**



In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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· **Eye protection:**



Tightly sealed goggles

9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form: Fluid

Color: According to product specification

· **Odor:** Characteristic

· **Odour threshold:** Not determined.

· **pH-value:** Not determined.

· **Change in condition**

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: 145 °C

· **Flash point:** 31 °C (DIN EN ISO 1523:2002)

· **Flammability (solid, gaseous):** Not applicable.

· **Ignition temperature:** 480 °C (DIN 51794)

· **Decomposition temperature:** Not determined.

· **Auto igniting:** Product is not selfigniting.

· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

· **Explosion limits:**

Lower: 1.2 Vol %

Upper: 8.9 Vol %

· **Vapor pressure at 20 °C:** 6 hPa

· **Density at 20 °C:** 1.209 g/cm³ (DIN EN ISO 2811-1)

· **Relative density** Not determined.

· **Vapour density** Not determined.

· **Evaporation rate** Not determined.

· **Solubility in / Miscibility with**

Water: Not miscible or difficult to mix.

· **Partition coefficient (n-octanol/water):** Not determined.

· **Viscosity:**

Dynamic at 20 °C: 17000 mPas

Kinematic: Not determined.

· **Solvent content:**

Solids content (weight-%): 79.4 %

· **Other information** No further relevant information available.

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10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** Carbon monoxide

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

100-42-5 styrene

Oral	LD50	5000 mg/kg (rat)
Dermal	LD50	> 2000 mg/kg (rat)
Inhalative	LC50/4 h (Dämpfe)	11.8 mg/l (rat)

- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Harmful
Irritant
- **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

14807-96-6	Talc	2B
100-42-5	styrene	2B
13463-67-7	titanium dioxide	2B

· **NTP (National Toxicology Program)**

100-42-5	styrene	R
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· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Water hazard class 2 (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.

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- Danger to drinking water if even small quantities leak into the ground.*
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** *Disposal must be made according to official regulations.*

14 Transport information

- | | |
|---|---|
| <ul style="list-style-type: none"> · UN-Number · DOT, TDG, IMDG, IATA | <p>UN3269</p> |
| <ul style="list-style-type: none"> · UN proper shipping name · DOT · TDG · IMDG, IATA | <p>Polyester resin kit
3269 Polyester resin kit
POLYESTER RESIN KIT</p> |
| <ul style="list-style-type: none"> · Transport hazard class(es) · DOT | <p>3 Flammable liquids</p> |
| <ul style="list-style-type: none"> · Class · Label · TDG (Transport dangerous goods): | <p>3</p> |
| <ul style="list-style-type: none"> · Class · Label | <p>3 (F3) Flammable liquids
3</p> |
| <ul style="list-style-type: none"> · IMDG, IATA | |
| <ul style="list-style-type: none"> · Class · Label | <p>3 Flammable liquids
3</p> |
| <ul style="list-style-type: none"> · Packing group · DOT, TDG, IMDG, IATA | <p>III</p> |
| <ul style="list-style-type: none"> · Environmental hazards: · Marine pollutant: | <p>No</p> |

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· Special precautions for user	Warning: Flammable liquids
· Danger code (Kemler):	-
· EMS Number:	F-E,S-D
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· Transport/Additional information:	
· IMDG	
· Limited quantities (LQ)	5L
· UN "Model Regulation":	UN 3269 POLYESTER RESIN KIT, 3, III, (E)

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Sara

· **Section 355 (extremely hazardous substances):**

None of the ingredient is listed.

· **Section 313 (Specific toxic chemical listings):**

100-42-5 styrene

1344-28-1 aluminium oxide

7727-43-7 barium sulphate, natural

112-07-2 2-butoxyethyl acetate

1330-20-7 xylene

100-41-4 Ethylbenzene

· **TSCA (Toxic Substances Control Act):**

14807-96-6 Talc

100-42-5 styrene

1317-65-3 Kreide

Mischung aus CAS 65997-17-3 Glass, Oxide, Chemikalien (97-100%) und CAS 7631-86-9 Siliciumdioxid (0-3%)

13463-67-7 titanium dioxide

112945-52-5 Silica, amorphous, crystalline-free

64742-95-6 Solvent naphtha (petroleum), light arom.

silikonfreies Polymer

1344-28-1 aluminium oxide

20344-49-4 iron hydroxide oxide

108-65-6 2-methoxy-1-methylethyl acetate

UF-Harz

7631-86-9 silicon dioxide, chemically prepared

1314-23-4 zirconium dioxide

7727-43-7 barium sulphate, natural

· **Proposition 65**

· **Chemicals known to cause cancer:**

13463-67-7 titanium dioxide

100-41-4 Ethylbenzene

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· Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

· Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

· Cancerogenity categories

· EPA (Environmental Protection Agency)

7727-43-7	barium sulphate, natural	D, CBD(inh), NL(oral)
1330-20-7	xylene	I
100-41-4	Ethylbenzene	D

· TLV (Threshold Limit Value established by ACGIH)

14807-96-6	Talc	A4	25-50%
100-42-5	styrene	A4	12.5-<25%
13463-67-7	titanium dioxide	A4	0.1-≤2.5%
1344-28-1	aluminium oxide	A4	<0.1%
1314-23-4	zirconium dioxide	A4	<0.1%
112-07-2	2-butoxyethyl acetate	A3	<0.1%
1330-20-7	xylene	A4	<0.1%
100-41-4	Ethylbenzene	A3	<0.1%

· NIOSH-Ca (National Institute for Occupational Safety and Health)

13463-67-7	titanium dioxide
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· Canadian substance listings:

· Canadian Domestic Substances List (DSL)

14807-96-6	Talc
100-42-5	styrene
	Mischung aus CAS 65997-17-3 Glass, Oxide, Chemikalien (97-100%) und CAS 7631-86-9 Siliciumdioxid (0-3%)
13463-67-7	titanium dioxide
112945-52-5	Silica, amorphous, crystalline-free
64742-95-6	Solvent naphtha (petroleum), light arom.
1344-28-1	aluminium oxide
20344-49-4	iron hydroxide oxide
108-65-6	2-methoxy-1-methylethyl acetate
	UF-Harz
7631-86-9	silicon dioxide, chemically prepared
1314-23-4	zirconium dioxide
7727-43-7	barium sulphate, natural
1328-53-6	polychloro copper phthalocyanine
112-07-2	2-butoxyethyl acetate

· Canadian Ingredient Disclosure list (limit 0.1%)

100-42-5	styrene
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· Canadian Ingredient Disclosure list (limit 1%)

None of the ingredients is listed.

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· GHS label elements*The product is classified and labeled according to the Globally Harmonized System (GHS).***· Hazard pictograms**

GHS02 GHS07 GHS08

· Signal word Danger**· Hazard-determining components of labeling:***styrene***· Hazard statements***H226 Flammable liquid and vapour.**H315 Causes skin irritation.**H319 Causes serious eye irritation.**H361-H362 Suspected of damaging fertility or the unborn child. May cause harm to breast-fed children.**H372 Causes damage to the hearing organs through prolonged or repeated exposure.***· Precautionary statements***P101 If medical advice is needed, have product container or label at hand.**P102 Keep out of reach of children.**P103 Read label before use.**P263 Avoid contact during pregnancy and while nursing.**P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.**P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].**P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.**P405 Store locked up.**P501 Dispose of contents/container in accordance with local/regional/national/international regulations.***· National regulations:**

Class	Share in %
NK	10-<25

· Chemical safety assessment: *A Chemical Safety Assessment has not been carried out.***16 Other information***This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.***· Date of preparation / last revision 10/29/2015 / 4****· Abbreviations and acronyms:***IMDG: International Maritime Code for Dangerous Goods**DOT: US Department of Transportation**IATA: International Air Transport Association**ACGIH: American Conference of Governmental Industrial Hygienists**EINECS: European Inventory of Existing Commercial Chemical Substances**ELINCS: European List of Notified Chemical Substances**CAS: Chemical Abstracts Service (division of the American Chemical Society)**NFPA: National Fire Protection Association (USA)**HMIS: Hazardous Materials Identification System (USA)**WHMIS: Workplace Hazardous Materials Information System (Canada)**LC50: Lethal concentration, 50 percent**LD50: Lethal dose, 50 percent**PBT: Persistent, Bioaccumulative and Toxic**vPvB: very Persistent and very Bioaccumulative*

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Flammable Liquids - Category 3: Flammable liquids, Hazard Category 3

Skin Irritation - Category 2: Skin corrosion/irritation, Hazard Category 2

Eye Irritation - Category 2A: Serious eye damage/eye irritation, Hazard Category 2A

Reproductive Toxicity - Category 2: Reproductive toxicity, Hazard Category 2

Specific Target Organ Toxicity - Repeated Exposure - Category 1: Specific target organ toxicity - Repeated exposure, Hazard Category 1

· *** Data compared to the previous version altered. Reviewed on 10/29/2015**

CDN