PropGlide Top Coat

Safety Data Sheet

Prepared according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 01/12/2016 Revision date: 08/31/2016 Version: 6.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : PropGlide Top Coat

Product form : liquid

Other means of identification : PCK-175, PCK-250, PCK-650, PCK-1250

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Propeller Coating

1.3. Details of the supplier of the safety data sheet

PropGlide USA Corp
4769 NW 72nd Avenue
Miami, Florida 33166

Telephone: 305-520-1050
Email: info@PropGlide.com
Website: www.PropGlide.com

1.4. Emergency telephone number

Emergency number : CHEMTREC day or night inside USA & Canada
1-800-424-9300
:CHEMTREC day or night outside USA & Canada
+1-703-741-5970
Acct. Number: 15570
:Poison Control Center
1-800-222-1222

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Flam. Liq. 3	H226
Acute Tox. 4	H302
Asp. Tox. 1	H304
Aquatic Chronic 1	H410
Aquatic Acute 1	H400
Skin Sens. 1	H317
Carc. 1A	H350

Contains 9.5% ingredients of unknown oral toxicity.

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US) :

GHS02 GHS07 GHS09 GHS08

Signal word (GHS-US) : **Danger**

Hazard statements (GHS-US) : H226 - Flammable liquid and vapor
H304 – May be fatal if swallowed and enters airways
H302 - Harmful if swallowed
H317 - May cause an allergic skin reaction
H350 - May cause cancer
H400 - Very toxic to aquatic life
H410- Very toxic to aquatic life with long lasting effects

Precautionary statements (GHS-US) : 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/lighting equipment
P242 - Use only non-sparking tools

P243 - Take precautionary measures against static discharge

P261 - Avoid breathing fumes or mist.

P264 - Wash face, hands and forarms thoroughly after handling

P270 - Do not eat, drink or smoke when using this product

P272 - Contaminated work clothing must not be allowed out of the workplace

P273 - Avoid release to the environment

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P301+P310 - IF SWALLOWED: Immediately call a doctor.

P301+P312 - If swallowed: Call a doctor if you feel unwell

P302+P352 - If on skin: Wash with plenty of water.

P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

P308+P313 - If exposed or concerned: Get medical advice/attention

P321 - Specific treatment (see first aid instructions on this label)

P330 - Rinse mouth

P331 - Do NOT induce vomiting

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention

P362+P364 - Take off contaminated clothing and wash it before reuse

P370+P378 - In case of fire: Use water to extinguish

P391 - Collect spillage

P403+P235 - Store in a well-ventilated place. Keep cool

P405 - Store locked up

P501 - Dispose of contents/container to licenced waste handling facility.

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substance

Sdstance type: : Multi-constituent

Name	Product identifier	%
Trimethoxy(methyl)silane	(CAS No) 1185-55-3	1-5
Methanol	(CAS No) 67-56-1	0.1-2.0
N-2-(Aminoethyl)-3-aminopropyl-trimethoxysilane	(CAS No) 1760-24-2	0.1-2.0
Disopropoxytitanium bus(ethylacetoacetate)	(CAS No) 27858-32-8	0.1-2.0
Xylene	(CAS No) 1330-20-7	10-30
Hydrophobic fumed silica	(CAS No) 68909-20-6	1-5
Non hazardous ingredients		To balance

Full text of H-phases: see section 16

3.2. Mixture

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician.

First-aid measures after skin contact : IF ON SKIN: Immediately rinse with plenty of water (for at least 15 minutes). Get immediate medical advice/attention.

First-aid measures after eye contact : IF IN EYES: Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minutes minimum). Get medical advice/attention.

First-aid measures after ingestion : IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation : May cause nose and throat irritation.

Symptoms/injuries after skin contact : May cause skin irritation. May cause allecgic skin reaction.

Symptoms/injuries after eye contact : May cause eye irritation. Avoid contact with eyes.

Symptoms/injuries after ingestion : Harmful if swallowed. May cause abdominal pain, nausea, vomiting or drowsiness.

Chronic symptoms : Possible cancer hazard. Contains ingredients which may cause cancer based on animal data.

4.3. Indication of any immediate medical attention and special treatment needed

Obtain medical assistance.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Carbon dioxide. Dry powder.Alcohol-resistant foam.Water spray.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Flammable liquid and vapor. May produce carbon oxides under fire conditions.

Explosion hazard : Product is not explosive.

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

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Wear self-contained breathing apparatus and protective suit (see item 8).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Evacuate area. Keep upwind. Ventilate area. Spill should be handled by trained clean-up crews properly equipped with respiratory equipment and full chemical protective gear (see Section 8).

6.1.1. For non-emergency personnel

Protective equipment : Wear protective equipment as described in Section 8.

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Wear suitable protective clothing, gloves and eye or face protection. Wear approved supplied-air respirator, in case of emergency.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for cleaning up : Exclude sources of ignition and ventilate the area. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13). Waste from this product may be hazardous as defined under RCRA (40 CFR 261).

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Do not handle until all safety precautions have been read and understood. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Do not breathe mists. Keep away from sources of ignition - No smoking. Use appropriate personal protection equipment (PPE).

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Heat sources. Keep container closed when not in use.

Storage temperature : < 38 °C (100°F)

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure

Ethylbenzene (100-41-4)	
ACGIH TWA (ppm)	20 ppm
OSHA PEL (TWA) (mg/m³)	435 mg/m³
OSHA PEL (TWA) (ppm)	100 ppm

Ethylbenzene (100-41-4)	
OSHA PEL (STEL) (mg/m³)	545 mg/m³
OSHA PEL (STEL) (ppm)	125 ppm

Hydrophobic fumed silica (68909-20-6)	
ACGIH TWA (mg/m³)	5 mg/m³(respirable dust)
ACGIH TWA (mg/m³)	10 mg/m³ (inhalabe dust)
Trimethosy(methyl)silane (1185-55-3)	
ACGIH TWA (ppm)	220 ppm
ACGIH STEL (ppm)	250ppm as methanol

Methanol (67-56-1)	
ACGIH TWA (ppm)	220 ppm
ACGIH (TWA) (mg/m³)	266 mg/m³
ACGIH STEL (ppm)	250 ppm
ACGIH.STEL. (mg/m³)	333 mg/m³
Xylene (1330-20-7)	
ACGIH TWA (ppm)	100 ppm
ACGIH (TWA) (mg/m³)	662 mg/m³
ACGIH STEL (ppm)	150 ppm
ACGIH.STEL. (mg/m³)	441 mg/m³

8.2. Exposure controls

Appropriate engineering controls : Ensure adequate ventilation, especially in confined areas.Handle with good industrial hygiene and safety.

Personal protective equipment : Face shield. Respiratory protection of the dependent type. Gloves. Protective goggles. Protective clothing.

Hand protection : Use gloves chemically resistant to this material when prolonged or repeated contact could occur. Gloves should be classified under Standard EN 374 or ASTM F1296. Suggested glove materials are: Natural rubber (“latex”), Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, PVC or vinyl.

Eye protection : Eye protection, including both chemical splash goggles and face shield, must be worn when possibility exists for eye contact due to spraying liquid or airborne particles.

Skin and body protection : Wear long sleeves.Handle with gloves

Respiratory protection : An approved organic vapor respirator/supplied air or self-contained breathing apparatus must be used when vapor concentration exceeds applicable exposure limits.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Appearance : liquid.

Color : Clear

Odor : Aromatic odour.

Odor Threshold : No data available

pH : No data available

Relative evaporation rate (butyl acetate=1) : Not Measured

Relative evaporation rate (ether=1) : Not Measured

Melting point : No data available

Freezing point : No data available

Boiling point : Not Measured

Flash point : 38°C (101°F)-closed cup

Self ignition temperature : Na data avilable

Decomposition temperature : No data available

Flammability (solid, gas) : No data available

Vapor pressure : Not Measured

Relative vapor density at 20 °C	:	Heavier than air
Relative density	:	0,89 g/ml at 25°C (77°F)
Solubility	:	Water: None
Log Pow	:	No data available
Log Kow	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available
Explosive limits	:	No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Upon combustion:CO and CO2 are formed.Reacts violently with strong oxidizers:increased risk of fire/explosion.reacts with some acids.

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

Vapours may form explosive mixture with air.

10.4. Conditions to avoid

Sparks. Heat. Open flame. Extremes of tempearture and direct sunlight.

10.5. Incompatible materials

Avoid contact with : Strong oxidizing agents.

10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Ethylbenzene (100-41-4)	
LD50 oral rat	3500 mg/kg
LD50 dermal rabbit	15354 mg/kg
LC50 inhalation rat (mg/l)	17.2 mg/l/4h
ATE (oral)	3500.000 mg/kg body weight
ATE (dermal)	15354.000 mg/kg body weight
ATE (dust, mist)	1.500 mg/l/4h

Methanol (67-56-1)	
LD50 oral human	300 mg/kg Category 4
LD50 skin human	1000.00 mg/kg Category 4
LD50 inhalation dust/mist human	10.00 mg/l/4h Category NA

N-2-(Aminoethyl)-3-aminopropyl-trimethoxysilane (1760-24-2)	
LD50 oral mouse	1590 mg/kg Category 5
LC50 inhalation rat	27.60 mg/

Carcinogenicity data:

Ethylbenzene (100-41-4)	
IARC group	2B - Possibly carcinogenic to humans

Skin corrosion/irritation	:	Not classified
Serious eye damage/irritation	:	Not Applicable, Not classified
Respiratory or skin sensitization	:	May cause an allergic skin reaction.
Germ cell mutagenicity	:	Not Applicable,Not classified
Carcinogenicity	:	May cause cancer
Acute Toxicity(Mouth)		Harmful if swallowed.
Acute Toxicity(skin)		Not Classified

Reproductive toxicity	:	Not Applicable, Not classified
Specific target organ toxicity (single exposure)	:	Not Applicable, Not classified
Specific target organ toxicity (repeated exposure)	:	Not Applicable, Not classified
Aspiration hazard	:	May be fatal if swallowed and enters airways

SECTION 12: Ecological information

12.1. Toxicity

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No data available

12.4. Mobility in soil

No data available

12.5. Other adverse effects

PBT/vPvB assessment not available as chemical safety assessment not required/ not conducted

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods	:	Do not discharge to public wastewater systems without permit of pollution control authorities. No discharge to surface waters is allowed without an NPDES permit.
Waste disposal recommendations	:	Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment.

SECTION 14: Transport information

In accordance with DOT

14.1. UN number

UN-No.(DOT)	:	1263
DOT NA no.		UN1263

14.2. UN proper shipping name

DOT Proper Shipping Name	:	paint
Department of Transportation (DOT) Hazard Classes	:	3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
Hazard labels (DOT)	:	3 - Flammable liquid

Packing group (DOT)	:	III-Minor Danger

14.3. Additional information

Transportation by land(ADR)

Transport document description	:	UN 1263 ,PAINT,3,III,(D/E)
Packaging group (ADR)	:	III
Class (ADR)		3- Flammable liquid
State during Transport(ADR-RID)	:	As liquid
Hazard identification number (Kemler No.)	:	30

Clasification code(ADR)	:	F1
Tunnel restriction code	:	D/E
Danger labels (ADR)	:	3 - Flammable liquid

Transport by sea

UN-No. (IMDG)	:	1263
Packaging Group		III
Class (IMDG)	:	3- Flammable liquid
EmS-No.(1)	:	F-E
EmS-No.(2)	:	S-E
Marine Pollutant		Yes

Air transport

UN-No. (IATA)	:	1263.
Class (IATA)	:	3- Flammable liquid
Packaging group (IATA)	:	III-Minor Danger
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	:	
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	:	
Other information	:	No supplementary information available.

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed on the United States TSCA (Toxic Substances Control Act) inventory.

Benzene, 1,2,4-trimethyl- (95-63-6)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory Listed on United States SARA Section 313	
SARA Section 313 - Emission Reporting	1 %
Ethylbenzene (100-41-4)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory Listed on United States SARA Section 313	
RQ (Reportable quantity, section 304 of EPA's List of Lists) :	1000 lb
SARA Section 313 - Emission Reporting	0.1 %
Benzene (71-43-2)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory Listed on United States SARA Section 313	
RQ (Reportable quantity, section 304 of EPA's List of Lists) :	10 lb (recieved an adjusted RQ of 10 lbs based on potential carcinogenicity in an August 14, 1989 final rule)
SARA Section 313 - Emission Reporting	0.1 %

15.2. International regulations

CANADA

No additional information available

15.2.2. National regulations

Ethylbenzene (100-41-4)
Listed on IARC (International Agency for Research on Cancer) Listed on Inventory of Existing Chemical Substances (IECSC) Listed on the AICS (the Australian Inventory of Chemical Substances) Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory. Listed on the Korean ECL (Existing Chemical List) inventory.

15.3. US State regulations

This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer and/or reproductive toxicity.

Ethylbenzene (100-41-4)				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)
Yes	No	No	No	
Benzene (71-43-2)				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)
Yes	Yes	No	Yes	

Ethylbenzene (100-41-4)
U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Massachusetts - Right To Know List U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List
Benzene (71-43-2)
U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

SECTION 16: Other information

Indication of changes : Revision 1.0 – 01/12/ 2016 - New SDS Created.

Other information :

NFPA health hazard : 2-intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given

NFPA fire hazard : 3 – Liquids and solids that can be ignited under almost all ambient conditions

NFPA reactivity : 0-Normally stable, even under fire exposure conditions, and are not reactive with water.

HMIS III Rating

Health : 2*

Flammability : 3

Physical hazard : 0

Personal Protection : H

The information on this Data Sheet represents our current data and best opinion as to the proper use in handling of this material under normal conditions. Any use of the material which is not in conformance with this Data Sheet or which involves using this material in combination with any other material or any other process is the responsibility of the user. All materials present unknown health hazards and should be used with caution. Although certain hazards are described herein, the manufacturer and its agents cannot guarantee that these are the only hazards which exist. Further, the manufacturer and its agents assume no responsibility for personal injury or property damage to vendors, users, or third-parties caused by this material. User assumes all risks associated with the use of this material.No warranty, express or implied, is made and Propglide USA Corp assumes no liability resulting from the use of this SDS. The user must dtermine suitability of this information for his application.

PropGlide Etching Primer Base & Hardener

Safety Data Sheet

Prepared according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 01/12/2016 Revision date: 08/31/2016 Version: 6.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name : PropGlide Etching Primer Base (A)/PropGlide Etching Primer Hardener(B)

Product form : liquid

Other means of identification : PCK-175, PCK-250, PCK-650, PCK-1250

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Metal Primer

1.3. Details of the supplier of the safety data sheet

PropGlide USA Corp
4769 NW 72nd Avenue
Miami, Florida 33166

Telephone: 305-520-1050
Email: info@PropGlide.com
Website: www.PropGlide.com

1.4. Emergency telephone number

Emergency number : CHEMTREC day or night inside USA & Canada
1-800-424-9300
:CHEMTREC day or night outside USA & Canada
+1-703-741-5970
Acct. Number: 15570
:Poison Control Center
1-800-222-1222

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Flam. Liq. 3	H226
Acute Tox. 4	H302
Asp. Tox. 1	H304
Eye Dam.1	H318
Aquatic Chronic 1	H410
Aquatic Acute 1	H400
Skin Sens. 1	H317
Carc. 1A	H350
Muta. 1B	H340

Contains 10.94% ingredients of unknown oral toxicity.

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US) :

GHS02 GHS07 GHS09 GHS08 GHS05

Signal word (GHS-US) : **Danger**

Hazard statements (GHS-US) : H226 - Fammable liquid and vapor
H302 - Harmful if swallowed
H304- May be fatal if swallowed and enters airways
H317- May cause an allergic skin reaction
H318- Causes serious eye damage
H340- May cause genetic defects
H350- May cause cancer
H400- Very toxic to aquatic life
H410- Very toxic to aquatic life with long lasting effects

Precautionary statements (GHS-US) : P201 – Obtain special instructions before use.
P202 - Do not handle until all safety percautions have been read and understood
P210 - Keep away from heat, hot surfaces, open flames, sparks. - No smoking

P233 – Keep container tightly closed

P240 – Ground and bond container and receiving equipment.

P241 – Use explosion proof equipment.

P242 – Use non-sparking tools.

P243 – Take action to prevent static discharge.

P261 - Avoid breathing dust/fume/mist/vapors/spray

P264 – Wash face, hands and forearms thoroughly after handling

P270 – Do not eat, drink, or smoke when using this product

P272 – Contaminated work clothing should not be allowed out of the workplace.

P273 - Avoid release to the envirment
P280 - Wear eye protection, protective clothing, protective gloves, face protection

P301P312 - IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.

P302+P352 - IF ON SKIN: wash with plenty of soap and water

P303+P353+P361+P364- IF ON SKIN (or hair): Take off immediately all contaminated clothing and wash before reuse. Rinse skin with water.

P305+P351+P338- IF IN EYE: Rinse continuously with water for several minutes. Remove contact lense if present and easy to do- continue rinsing

P308+P313 - If exposed or concerned: Get medical advice/attention

P310 – Immediately call a POISON CENTER or doctor if in eyes.

P312 - Call a POISON CENTER or doctor/physician if you feel unwell

P321 - Specific treatment (see first aid instructions on this label)

P330 - Rinse mouth.

P331 – Do NOT induce vomiting

P332+P313 – If eye irritation persist: Get medical advice/attentionP333+P313- If skin irritation or a rash occurs:Get medical advice/attentionP362+P364- Take off contaminated clothing and wash before use

P370+P378 – In case of fire: Use carbon dioxide, dry powder, alcohol-resistant foam or water spray to extinguish.

P391- Collect spillage

P403- Store in a well ventilated place.

P405- Store locked up
P501 - Dispose of contents/container to licensed waste handling facility

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS-US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substance

Sdstance type: : Multi-constituent

Name PropGlide Etching primer Base (A)	**Product identifier**	**%**
Propan-2-ol	(CAS No) 67-63-0	30-60
2-Methylpropan-1-ol	(CAS No) 78-83-1	10-30
Zinc Chromate	(CAS No) 13530-65-9	5-10
Talc	(CAS No) 14807-96-6	5-10
Non-Hazardous ingredients		To Balance
Name propGlide Etching primer hardener (B)	**Product identifier**	**%**
Propan-2-ol	(CAS No) 67-63-0	60-100
Phosphoric Acid	(CAS No) 7664-38-2	10-20
Non-Hazardous ingredients		To Balance

Full text of H-phases: see section 16

3.2. Mixture

Not applicable

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician.

First-aid measures after skin contact : IF ON SKIN: Immediately rinse with plenty of water (for at least 15 minutes). Get immediate medical advice/attention.

First-aid measures after eye contact : IF IN EYES: Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minutes minimum). Get medical advice/attention.

First-aid measures after ingestion : IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation : May be fatal if swallowed and enters airways. .

Symptoms/injuries after skin contact : May cause an allergic skin reaction.

Symptoms/injuries after eye contact : Causes serious eye damage.

Symptoms/injuries after ingestion : Harmful if swallowed.

Chronic symptoms : May cause genetic defects. May cause cancer.

4.3. Indication of any immediate medical attention and special treatment needed

Obtain medical assistance.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Carbon dioxide. Dry powder.Alcohol-resistant foam.Water spray.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Flammable liquid and vapor. May produce carbon oxides under fire conditions.

Explosion hazard : Product is not explosive.

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

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Wear self-contained breathing apparatus and protective suit (see item 8).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Evacuate area. Keep upwind. Ventilate area. Spill should be handled by trained clean-up crews properly equipped with respiratory equipment and full chemical protective gear (see Section 8).

6.1.1. For non-emergency personnel

Protective equipment : Wear protective equipment as described in Section 8.

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Wear suitable protective clothing, gloves and eye or face protection. Wear approved supplied-air respirator, in case of emergency.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for cleaning up : Exclude sources of ignition and ventilate the area. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13). Waste from this product may be hazardous as defined under RCRA (40 CFR 261).

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Do not handle until all safety precautions have been read and understood. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Do not breathe mists. Keep away from sources of ignition - No smoking. Use appropriate personal protection equipment (PPE).

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Heat sources. Keep container closed when not in use.

Storage temperature : < 38 °C (100°F)

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Propan-2-ol (67-63-0)	
ACGIH TWA (ppm)	400 ppm
ACGIH TWA (mg/m³)	999 mg/m³
ACGIH STEL (ppm))	500 ppm
2-methylpropan-1ol.(78-83-1)	
ACGIH TWA (ppm)	50 ppm
ACGIH STEL (ppm)	75 ppm
ACHIH STEL (mg/m³)	231 mg/m³
ACGIH TWA (mg/m³)	154 mg/m³
Zinc Chromate as Cr(VI)(13530-65-9)	
ACGIH TWA (mg/m³)	0.05 mg/m³
Talc respirable dust(14807-96-6)	
ACGIH TWA (mg/m³)	1 mg/m³

8.2. Exposure controls

Appropriate engineering controls : Ensure adequate ventilation, especially in confined areas.Handle with good industrial hygiene and safety.

Personal protective equipment : Face shield. Respiratory protection of the dependent type. Gloves. Protective goggles. Protective clothing.

Hand protection : Use gloves chemically resistant to this material when prolonged or repeated contact could occur. Gloves should be classified under Standard EN 374 or ASTM F1296. Suggested glove materials are: Natural rubber (“latex”), Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, PVC or vinyl.

Eye protection : Eye protection, including both chemical splash goggles and face shield, must be worn when possibility exists for eye contact due to spraying liquid or airborne particles.

Skin and body protection : Wear long sleeves.Handle with gloves

Respiratory protection : An approved organic vapor respirator/supplied air or self-contained breathing apparatus must be used when vapor concentration exceeds applicable exposure limits.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Appearance : liquid.

Color : Yellow

Odor : Alcohol odour.

Odor Threshold : No data available

pH : No data available

Relative evaporation rate (butyl acetate=1) : Not Measured

Relative evaporation rate (ether=1) : Not Measured

Melting point : No data available

Freezing point : No data available

Boiling point : Not Measured

Flash point : 18°C (64.4°F)-closed cup

Self ignition temperature : Na data avilable

Decomposition temperature : No data available

Flammability (solid, gas) : No data available

Vapor pressure : Not Measured

Relative vapor density at 20 °C	:	Heavier than air
Relative density	:	0.90 g/ml at 25°C (77°F)
Solubility	:	Water: None
Log Pow	:	No data available
Log Kow	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available
Explosive limits	:	No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Upon combustion:CO and CO2 are formed.Reacts violently with (strong) oxidizers:(increased)risk of fire/explosion.reacts with (some) acids.

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

Vapours may form explosive mixture with air.

10.4. Conditions to avoid

Sparks. Heat. Open flame. Extremes of tempearture and direct sunlight.

10.5. Incompatible materials

Avoid contact with : Strong oxidizing agents.

10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute Toxicity: Harmful if swallowed.

Propan-2ol (67-63-0)	
LD50 oral mousse	3600 mg/kg
2-Methylpropan-1-ol (78-83-1)	
LD50 oral rat	2460 mg/kg
LD50 dermal rabbit	2400 mg/kg

Carcinogenicity data:

Zinc Chromate (13530-65-9)	
IARC group	2B - Possibly carcinogenic to humans
Talc (14807-96-6)	
IARC group	3 - Not classifiable

Skin corrosion/irritation	:	Not Applicable,Not classified
Serious eye damage/irritation	:	Causes serious eye damage.
Respiratory or skin sensitization	:	May cause an allergic skin reaction
Germ cell mutagenicity	:	May cause genetic defects, category 1B.
Carcinogenicity	:	May cause cancer, category 1A.
Acute Toxicity(Mouth)		Harmful if swallowed
Acute Toxicity(skin)		Not Applicable,Not classified
Reproductive toxicity	:	Not Applicable, Not classified
Specific target organ toxicity (single exposure)	:	Not Applicable, Not classified
Specific target organ toxicity (repeated exposure)	:	Not Applicable, Not classified
Aspiration hazard	:	May be fatal if swallowed and enters airways category 1

Symptoms/injuries after inhalation	:	May be fatal if swallowed and enters airways.
Symptoms/injuries after skin contact	:	May cause an allergic skin reaction
Symptoms/injuries after eye contact	:	Causes serious eye damage.
Symptoms/injuries after ingestion	:	Harmful if swallowed.
Chronic symptoms	:	May cause cancer.

SECTION 12: Ecological information

12.1. Toxicity

Zinc Chromate (13530-65-9)	
LC50 fishes 1	0.1-1mg/l (96 h;danio rerio)

2.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No data available

12.4. Mobility in soil

No data available

12.5. Other adverse effects

PBT/vPvB assessment not available as chemical safety assessment not required/ not conducted

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods	:	Do not discharge to public wastewater systems without permit of pollution control authorities. No discharge to surface waters is allowed without an NPDES permit.
Waste disposal recommendations	:	Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment.

SECTION 14: Transport information

In accordance with DOT

14.1. UN number

UN-No.(DOT)	:	1263
DOT NA no.		UN1263

14.2. UN proper shipping name

DOT Proper Shipping Name	:	paint
Department of Transportation (DOT) Hazard Classes	:	3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
Hazard labels (DOT)	:	3 - Flammable liquid

Packing group (DOT)	:	II-Minor Danger

14.3. Additional information

Transportation by land(ADR)

Transport document description	:	UN 1263 ,PAINT,3,II,(D/E)

Packaging group (ADR)	:	III
Class (ADR)		3- Flammable liquid
State during Transport(ADR-RID)	:	As liquid
Hazard identification number (Kemler No.)	:	30
Clasification code(ADR)	:	F1
Tunnel restriction code	:	D/E
Danger labels (ADR)	:	3 - Flammable liquid

Transport by sea

UN-No. (IMDG)	:	1263
Packaging Group		II
Class (IMDG)	:	3- Flammable liquid
EmS-No.(1)	:	F-E
EmS-No.(2)	:	S-E
Marine Pollutant		Yes

Air transport

UN-No. (IATA)	:	1263.
Class (IATA)	:	3- Flammable liquid
Packaging group (IATA)	:	II-Minor Danger
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	:	
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	:	
Other information	:	No supplementary information available.

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are listed on the United States TSCA (Toxic Substances Control Act) inventory.

Cumene (98-82-8)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory Listed on United States SARA Section 313	
RQ (Reportable quantity, section 304 of EPA's List of Lists) :	5000 lb
SARA Section 313 - Emission Reporting	1 %
Benzene, 1,2,4-trimethyl- (95-63-6)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory Listed on United States SARA Section 313	
SARA Section 313 - Emission Reporting	1 %
Xylenes (o-, m-, p- isomers) **(1330-20-7)**	
Listed on the United States TSCA (Toxic Substances Control Act) inventory Listed on United States SARA Section 313	
RQ (Reportable quantity, section 304 of EPA's List of Lists) :	100 lb

Cumene (98-82-8)	
SARA Section 313 - Emission Reporting	1 %
Ethylbenzene (100-41-4)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory Listed on United States SARA Section 313	
Zinc Chromate (13530-65-9)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory Listed on United States SARA Section 313	
RQ (Reportable quantity, section 304 of EPA's List of Lists) :	1 lb (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is >100 µm)
SARA Section 313 - Emission Reporting	0.1 %

15.2. International regulations

CANADA

No additional information available

15.3. US State regulations

California Proposition 65

This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer and/or reproductive toxicity

Zinc Chromate (13530-65-9)				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	No significance risk level (NSRL)
Yes	Yes	No	No	

Zinc Chromate (13530-65-9)
U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Massachusetts - Right To Know List U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances
Talc (14807-96-6)
U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

Indication of changes : Revision 1.0 – 01/12/ 2016 - New SDS Created.

Other information :

NFPA health hazard : 2-intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given

NFPA fire hazard : 3 – Liquids and solids that can be ignited under almost all ambient conditions

NFPA reactivity : 0-Normally stable, even under fire exposure conditions, and are not reactive with water.

HMIS III Rating

Health : 2

Flammability : 3

Physical hazard : 0

Personal Protection : H

The information on this Data Sheet represents our current data and best opinion as to the proper use in handling of this material under normal conditions. Any use of the material which is not in conformance with this Data Sheet or which involves using this material in combination with any other material or any other process is the responsibility of the user. All materials present unknown health hazards and should be used with caution. Although certain hazards are described herein, the manufacturer and its agents cannot guarantee that these are the only hazards which exist. Further, the manufacturer and its agents assume no responsibility for personal injury or property damage to vendors, users, or third-parties caused by this material. User assumes all risks associated with the use of this material.No warranty, express or implied, is made and Propglide USA Corp assumes no liability resulting from the use of this SDS. The user must dtermine suitability of this information for his application.