1. Identification

Product name	: Glass Pro
Use of the substance/mixture	: Surface protectant/surfactant
Restrictions on use	: None known

Schippers USA, LLC
3233 Fieldcrest Drive
Davenport, IA
52806 USA
(563)-538-5506

Emergency number : Chemtrec 1-800-424-9300

2. Hazard(s) identification

Classification: This product is not classified as hazardous in accordance with 29 C.F.R. § 1910.1200. Additional information is provided in Section 15.

Physical Hazards:	Flammable Liquid	Category 3
Health Hazards:	Eye Irritation	Category 2A
	Specific Target Organ Toxicity:	
	Single Exposure (STOT-SE)	Category 3
	Aspiration	Category 1

Hazard Pictograms:

Signal Word: Danger

Hazard Statements:
Flammable liquid and vapor.
Causes serious eye irritation.
May cause drowsiness or dizziness.
May be fatal if swallowed and enters airways.

Precautionary Statements: **Prevention**
Keep away from heat/sparks/open flames/hot surfaces.-No smoking.

Keep container tightly closed.
Ground/Bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Wear protective gloves/ eye protection/ face protection.
Wash hands, forearms and face thoroughly after handling.
Avoid breathing fume/gas/mist/vapors/spray.
Use only outdoors or in a well-ventilated area.

Response:
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
In case of fire: Use media other than water to extinguish.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.
If swallowed: Immediately call a poison center or doctor.
Do NOT induce vomiting.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
Call a poison center or doctor if you feel unwell.

Storage:
Store in a well ventilated place. Keep cool.
Store locked up.

Disposal:
Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Hazards Not Otherwise Classified (HNOC): Repeated exposure may cause skin dryness and cracking.

3. Composition/information on ingredients

Substance Name	CAS RN	Percentage
Hydrocarbons, C10-C12, isoalkanes	864742-48-9	≥60

Isopropyl alcohol	67-63-0	10 - 30
Silanes	Proprietary	1 - 10

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret.

4. First aid measures

Inhalation: If inhaled and if breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

Skin contact: If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash clothing before re-using. Get medical attention if irritation develops and persists.

Eye contact: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion: If swallowed: Immediately call a poison center or doctor/physician. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

Most important symptoms/effects (acute and delayed): May cause irritation to the respiratory tract. May cause skin irritation. Repeated exposure may cause skin dryness or cracking. Causes serious eye irritation. Symptoms may include discomfort or pain, excessive blinking and tear production, with marked redness and swelling of the conjunctiva. May be fatal if swallowed and enters airways. May cause gastrointestinal irritation, nausea, vomiting and diarrhea. May result in aspiration into the lungs, causing chemical pneumonia.

Immediate medical attention and special treatment: Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

5. Firefighting measures

Suitable extinguishing media: Carbon dioxide (CO_2), dry chemical powder, foam.

Unsuitable extinguishing media: Do not use water.

Fire hazard: Products of combustion may include, and are not limited to: oxides of

carbon. Flammable liquid and vapor.

Explosion hazard: May form flammable/explosive vapor-air mixture.

Protection during firefighting: Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

6. Accidental release measures

Personal precautions, protective Equipment and emergency procedures: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Use special care to avoid static electric charges. Remove all sources of ignition. Prevent entry to sewer and public water.

Methods and materials for Containment and for cleaning up: Stop leak if safe to do so. Absorb and/or contain spill with inert material (sand, vermiculite or other appropriate material), then place in suitable container. Do not flush into surface water or sewer system. Wear recommended personal protective equipment. Sweep or shovel spills into appropriate container for disposal. Provide ventilation.

7. Handling and storage

Precautions for safe handling: Handle empty containers with care because residual vapors are flammable. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not breathe dust/fume/gas/mist/vapors/spray. Do not swallow. Avoid contact with skin and eyes. Handle and open container with care. When using do not eat, drink, or smoke. Take precautionary measures against static discharge. Use only non-sparking tools. Use only outdoors or in a well-ventilated area. Use explosion-proof electrical/ventilating/lighting equipment. Take off immediately all contaminated clothing and wash it before reuse. Wash hands, forearms and face thoroughly after handling.

Conditions for safe storage, including Any incompatibilities: Proper grounding procedures to avoid static electricity should be followed. Keep out of the reach of children. Keep cool. Keep container tightly closed and in a well-ventilated place. Store locked up.

8. Exposure controls/personal protection

Exposure guidelines:

Substance Name	Type	Value	Comment
Isopropyl alcohol (67-63-0)	ACGIH TWA	200 ppm	
	ACGIH STEL	400 ppm	
	ACGIH Biological Exposure Indices (BEI)	40 mg/l	Parameter: Acetone – Medium: urine – Sampling time: end of shift at end of workweek (background, nonspecific)
	OSHA PEL (TWA)	980 mg/m^3	
	OSHA PEL (TWA)	400 ppm	
	US IDLH	2000 ppm	10% LEL
	NIOSH REL (TWA)	980 mg/m^3	
	NIOSH REL (TWA)	400 ppm	
	NIOSH REL (STEL)	1225 mg/m^3	
	NIOSH REL (STEL)	500 ppm	

Appropriate engineering controls: Ensure good ventilation of the workstation. Avoid release to the environment.

Hand protection: Wear suitable gloves.

Eye protection: Wear eye/face protection.

Skin and body protection: Wear suitable protective clothing.

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Other information: Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

9. Physical and chemical properties

Appearance (physical state, color): Clear liquid.

Odor: Aromatic

Odor threshold:	No data available
pH:	No data available
Melting point:	No data available
Initial boiling point:	118°F (48°C)
Flash point:	131°F (55°C)
Evaporation rate:	< 1 (butyl acetate = 1)
Flammability (solid/gas):	Flammable liquid and vapor.
Upper/lower flammability or explosive limits:	No data available
Vapor pressure:	< 0.12 hPa
Vapor density:	No data available
Relative density:	No data available
Solubility(ies):	No data available
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity, kinematic:	1.2 mm^2/s

10. Stability and reactivity

Reactivity:	No dangerous reactions known under normal conditions of use.
Chemical stability:	Stable under normal conditions. May form flammable/explosive vapor-air mixture.
Possibility of hazardous reactions:	No dangerous reactions known under normal conditions of use.
Conditions to avoid:	Heat. Incompatible materials. Sources of ignition. Direct sunlight.
Incompatible materials:	Strong acids. Strong bases. Strong oxidizers.
Hazardous decomposition products:	May include, and are not limited to: oxides of carbon. May release flammable gases.

11. Toxicological information

Information on likely routes of exposure:

Inhalation:	May cause irritation to the respiratory tract.

Skin contact: May cause skin irritation. Repeated exposure may cause skin dryness or cracking.

Eye contact: Causes serious eye irritation. Symptoms may include discomfort or pain, excessive blinking and tear production, with marked redness and swelling of the conjunctiva.

Ingestion: May be fatal if swallowed and enters airways. May cause gastrointestinal irritation, nausea, vomiting and diarrhea. May result in aspiration into the lungs, causing chemical pneumonia.

Other information: Likely routes of exposure: ingestion, inhalation, skin and eyes.

Acute toxicity: Not classified

Hydrocarbons, C10-C12, isoalkanes (64742-48-9)	
LD50 oral rat	>6000 mg/kg
LD50 dermal rabbit	>3160 mg/kg
LC50 inhalation rat	>8500 mg/m^3 (Exposure time: 4 h)
Isopropyl alcohol (67-63-0)	
LD50 oral rat	<5045 mg/kg
LD50 dermal rabbit	4059 mg/kg
LC50 inhalation rat	72,600 mg/m^3 (Exposure time: 4 h)

Skin corrosion/irritation: Not classified

Serious eye damage/irritation: Causes serious eye irritation.

Respiratory or skin sensitization: Not classified

Germ cell mutagenicity: Not classified

Carcinogenicity: Not classified

Reproductive toxicity: Not classified

Specific target organ toxicity (single exposure): May cause drowsiness or dizziness.

Hydrocarbons, C10-C12, isoalkanes (64742-48-9)	
STOT – single exposure	May cause drowsiness and dizziness.

Isopropyl alcohol (67-63-0)	
STOT – single exposure	May cause drowsiness and dizziness.

Specific target organ toxicity (repeated exposure): Not classified

Silanes (Proprietary)	
STOT – repeated exposure	May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard: May be fatal if swallowed and enters airways.

12. Ecological information

Ecotoxicity: May cause long-term adverse effects in the aquatic environment.

Hydrocarbons, C10-C12, isoalkanes (64742-48-9)	
LC50 fish	2200 mg/l (Exposure time: 96 h – Species: Pimephales promelas)
Isopropyl alcohol (67-63-0)	
LC50 fish	9640 mg/l (Exposure time: 96 h – Species: Pimephales promelas (flow-through))
EC50 Daphnia	13,299 mg/l (Exposure time: 48 h – Species: Daphnia magna)
LC50 fish	11,130 mg/l (Exposure time: 96 h – Species: Pimephales promelas (static))

Persistence and degradability: Not established.

Bioaccumulative potential: Not established.

Isopropyl alcohol (67-63-0)	
Partition coefficient n-octanol/water	0.05 (at 25°C)

Mobility in soil: No additional information available.

Other adverse effects: No other effects known.

13. Disposal considerations

Disposal instructions:	Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. Handle empty containers with care because residual vapors are flammable.

14. Transport information

Department of Transportation (DOT)

In accordance with DOT

UN-No.	UN1139
Proper shipping name:	Coating solution
Class:	3
Packing group:	III

Hazard label:

15. Regulatory information

U.S. Federal Regulations:

Toxic Substances Control Act (TSCA): All components of this product are listed, or excluded from listing, on the TSCA inventory.

U.S. State Regulations:

California Proposition 65 – This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm.

16. Other information

Issue date: Draft

Revision date: First issue

Disclaimer: The information provided is based on our current knowledge and is intended to describe the products for the purposes of hazard communication requirements only.