Safety Data Sheet
Glass Serum

SECTION 1: Identification

GHS Product identifier

Product name	Glass Serum
Product number	gk-100
Brand	Dr. Beasley's

Recommended use of the chemical and restrictions on use
Water repellent treatment for glass

Supplier's details

Name	Dr. Beasley's
Address	1439 W Shakespeare Ave Chicago IL 60614 US
Telephone	773-404-1600

Emergency phone number

CHEMTREC 24 Hours/day; 7 Days/week
USA and Canada - Toll Free: 800-424-9300
USA and Canada - Local: +1-703- 527-3887

SECTION 2: Hazard identification

CLASSIFICATIONS OF THE SUBSTANCE OR MIXTURE
GHS classification in accordance with: OSHA (29 CFR 1910.1200, 2024)

- Aspiration hazard, Cat. 1
- Eye irritation, Cat. 2A
- Specific target organ toxicity - Single exposure, Cat. 3

Pictograms

Signal word **Danger**

Hazard Statements:

H304	May be fatal if swallowed and enters airways
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness

Precautionary Statements:

P261	Avoid breathing dust/fume/mist/vapours/spray.
P264	Wash skin thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/eye protection/face protection
P301+P310	IF SWALLOWED: Immediately call a doctor.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER/doctor/... if you feel unwell.
P337+P313	If eye irritation persists: Get medical advice/attention.
P403+P233	Store in a well ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/container to an approved waste disposal plant.

SECTION 3: Composition/information on ingredients

Mixtures

Component	Concentration
Component 1 (trade secret)	**70 % (weight)***
Component 2 (trade secret)	**20 % (weight)***

Trade secret statement (OSHA 1910.1200(i))
*The specific chemical identities and/or actual concentrations or actual concentration ranges for one or more listed components are being withheld as trade secrets under the US regulation 29 CFR 1910.1200(i).

SECTION 4: First-aid measures

Description of necessary first-aid measures

If inhaled	Remove to fresh air and promote deep breathing. Get medical attention if effects persist. Acute and delayed symptoms and effects: May cause respiratory irritation. Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.
In case of skin contact	Wash with plenty of soap and water. Get medical attention if irritation develops or persists. Acute and delayed symptoms and effects: May cause skin irritation. Signs/symptoms may include localized redness, swelling, and itching.
In case of eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, get medical attention

	Acute and delayed symptoms and effects: Causes serious eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.
If swallowed	Do not induce vomiting. Never give anything by mouth to an unconscious person. Give water to drink if conscious. Get medical attention if effects persist.
	Acute and delayed symptoms and effects: May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

SECTION 5: Fire-fighting measures

Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Specific hazards arising from the chemical
Carbon oxides

Special protective actions for fire-fighters
Wear self-contained breathing apparatus for firefighting if necessary.

Further information
Use water spray to cool unopened containers.

SECTION 6: Accidental release measures

Personal Protective Equipment must be worn. See Personal Protection Section 8 for PPE recommendations.

Personal precautions, protective equipment and emergency procedures
Wear personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Environmental precautions
Do not let product enter drains.

Methods and materials for containment and cleaning up
Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

Reference to other sections
For disposal see section 13.

SECTION 7: Handling and storage

Work/Hygienic Practices:
Wash hands with soap and water before eating, drinking, smoking or use of toilet facilities. Do not use gasoline, solvents, kerosene or other harsh or abrasive skin cleaners for washing exposed skin areas. Take a shower after use if general contact occurs. Wash thoroughly after handling. Launder articles before reuse and discard saturated articles that cannot be cleaned thoroughly.

General Handling Procedures:
Wear water/oil resistant gloves and protective clothing. (Nitrile or Neoprene). Wear chemical goggles with side shields. Keep containers closed when not in use. Keep away from flames, sparks or hot surfaces. Never use a torch to cut or weld on or near containers. Empty containers contain product residue which may exhibit hazards of the product. Maximum handling temperature has not been determined. Smoking, eating and drinking should be prohibited in the application Area.

Storage Procedures: Keep containers sealed and store upright when not in use. Rotate stock. Store in clean, dry containers at ambient temperatures and it should remain stable unless it is contaminated. Do NOT store at temperatures greater than 1200F (490C). Maximum storage temperature has not been determined. **Protect from freezing.**

SECTION 8: Exposure controls/personal protection

Control parameters CAS: (not specified)

Component 1 (trade secret)

ACGIH (USA): 200 ppm, (ST) 400 ppm TLV® inhalation; Cal/OSHA: 400 ppm, (ST) 500 ppm PEL inhalation; NIOSH: 400 ppm, (ST) 500 ppm REL inhalation; OSHA: 400 ppm PEL inhalation; 980 mg/m3 PEL inhalation

Component 2 (trade secret)

ACGIH (USA): 250 ppm, (ST) 500 ppm TLV® inhalation; Cal/OSHA: 500 ppm, (ST) 750 ppm, (C) 3000 ppm PEL inhalation; NIOSH: 250 ppm REL inhalation; OSHA: 1000 ppm PEL inhalation; 2400 mg/m3 PEL inhalation

Ventilation Procedures: Use with adequate ventilation to control vapor concentrations.

Skin Protection: As needed to prevent repeated skin contact. Impervious or neoprene gloves should be used when contact can occur. Wash hands thoroughly after handling. A rubber apron or suit is recommended. Use chemically protective boots when necessary to avoid contaminating shoes. Do NOT wear rings, watches or similar apparel that could entrap the material and cause skin irritation.

Eye Protection: Wear safety glasses with side shields or full face shield as needed.

Respiratory Protection: Use NIOSH/MSHA approved respirator with a dust mist cartridge**.**

SECTION 9: Physical and chemical properties

Basic physical and chemical properties

Physical state	Liquid
Color	None/clear
Odor	alcohol-like
Odor threshold	200 ppm
Melting point/freezing point	No data available.
Boiling point or initial boiling point and boiling range	180° F
Flammability	Non-flammable
Lower and upper explosion limit/flammability limit	No data available.
Flash point	53°F
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
pH	No data available.
Kinematic viscosity	No data available.
Solubility	Partially miscible in water

Partition coefficient n-octanol/water (log value)	No data available.
Vapor pressure	No data available.
Density and/or relative density	(H20=1) no data
Relative vapor density	(Air=1.0): >1

SECTION 10: Stability and reactivity

Reactivity
None under normal use conditions.

Chemical stability
Stable under normal storage conditions.

Possibility of hazardous reactions
No data available.

Conditions to avoid
Heat, flames and sparks. Incompatible products. Keep away from open flames, hot surfaces and sources of ignition.

Incompatible materials
Oxidizing agents, Acid anhydrides, aluminum, halogenated compounds, acids

Hazardous decomposition products
Carbon oxides
In the event of fire: see section 5

SECTION 11: Toxicological information

Information on toxicological effects

Components:

ACETONE: LD50 Oral - Rat - 5,800 mg/kg; LC50 Inhalation - Rat - 50,100 mg/m3 - 8 h; LD50 Dermal - Guinea pig - 7,426 mg/kg

Synthetic isoparaffinic hydrocarbon: LD50 Oral - 5000 mg/kg; LD50 Skin - 5000 mg/kg; LC50 Inhalation - >20 mg/l

Component 2: LD50 Oral - Rat - 5,800 mg/kg Remarks: Behavioral:Altered sleep time (including change in righting reflex). Behavioral:Tremor. Behavioral:Headache. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea. LC50 Inhalation - Rat - 8 h - 50,100 mg/m3 Remarks: Drowsiness Dizziness Unconsciousness LD50 Dermal - Guinea pig - 7,426 mg/kg

Eye Effects:
Will cause irritation on contact, may be severe if not immediately removed.

Skin Effects:
May cause mild irritation on contact. Prolonged or repeated contact, as from wet clothing, may cause drying, defatting of skin and dermatitis. An ingredient in this product may be absorbed through the skin.

Respiration Irritation:
If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract and is pronounced from heat. Based on data from components or similar materials.

Chronic Toxicity:
No data available to indicate product or components present at greater than 1% are chronic health hazards.

Oral Toxicity:
Will cause nausea, vomiting and diarrhea if ingested. Acute oral toxicity (LD-50 oral) 5,000 mg/kg.

Reproductive Toxicity:
No data available to indicate either product or components present at greater than 0.1% may cause reproductive toxicity.

Carcinogenicity:
This material is not considered to be carcinogenic under IARC.

Mutagenicity:
No data available to indicate either product or components present at greater than 0.1% are mutagenic or genotoxic.

Teratogenicity:
No data available to indicate either product or components present at great than 0.1% may cause birth defects.

SECTION 12: Ecological information

Freshwater Fish Toxicity: No data available
Saltwater Fish Toxicity: Not Applicable
Miscellaneous Toxicity: Not Applicable
Algal Inhibition: Not Applicable
Bacteria Toxicity: Toxicity threshold (Pseudomonas putida): 1,050 mg/l; Exposure time: 16 h
Biodegradation: Yes, (B.O.D.) Test – F Factor (0.28)
Soil Mobility: Not Applicable
Bioaccumulation: Not Applicable
Freshwater Invertebrates Toxicity: Not Applicable
Eco toxicity: Not Applicable

SECTION 13: Disposal considerations

Product: Comply with Federal, State and Local regulations regarding chemical wastes. Do not flush to drain or storm sewer. Contact authorized disposal service. If approved, neutralize with lime or soda ash and flushed with wastewater treatment system. This material may be a RCRA Hazardous waste due to its corrosive characteristics.

Packaging, Empty: Unclean containers should be disposed of in compliance with all relevant Federal, State and Local laws and regulations regarding treatment, storage and disposal for hazardous and non-hazardous wastes. Receiver of container should be informed about the potential hazards as described in this Safety Data Sheet.

SECTION 14: Transport information

DOT (US)
Not dangerous goods

IMDG
Not dangerous goods

IATA
Not dangerous goods

Canadian Shipping Information: Not regulated under Transportation of Dangerous Goods Act.

SECTION 15: Regulatory information

US TSCA Inventory Status:
The components of this product are listed, or are exempt from TSCA Chemical Substances Inventory. National, State and Local regulations pertaining to prevention of water pollution must be adhered to.

SARA Title III Sec. 302/304 Extremely Hazardous Substances:
This product does not contain substances under section 302/304

SARA Sec. 311/312:
Acute Health Hazard, Fire Hazard

SARA Title III Sec. 313:
The following components are subject to reporting levels established by SARA Title III, Section 313:
Isopropyl alcohol (CAS no.: 67-63-0)

Massachusetts Right To Know Components
Common name: ISOPROPYL ALCOHOL
CAS number: 67-63-0

New Jersey Right To Know Components
Common name: ISOPROPYL ALCOHOL
CAS number: 67-63-0

Pennsylvania Right To Know Components
Common name: ISOPROPYL ALCOHOL
CAS number: 67-63-0

TDG Regulated Limits:
None Known

V.O.C. Compliant:
Yes

Canada:
WHMIS Classification E. All components are in compliance with the Canadian Protection Act and are present on the Domestic Substances List.

California Proposition 65: WARNING: Cancer and reproductive harm. Please visit: www.P65Warnings.ca.gov

SECTION 16: Other information

Abbreviations:

ACGIH (American Conference of Governmental Industrial Hygienists); ANSI (American National Standards Institute): CAS (Chemical Abstract Service); CERCLA (Comprehensive Environmental Response, Compensation, & Liability Act); CFR (Code of Federal Regulations); CHIP (Chemicals Hazard Information & Packaging for Supply); COC Cleveland Closed Cup); CONCAWE (European Organization for Environment, Health & Safety); CPR (Controlled Products Regulations); DOL (Department of Labor); EEC (European Economic Community Directives); EINEXS (European Inventory of Existing Commercial Chemical Substances); EL50 (Effective loading rate required to immobilize 50% invertebrate species); ELINCS (European List of New Chemical Substances); EPA (Environmental Protection Agency); EPCRA (Emergency Planning & Community Right-To-Know Act of 1986); EU (European Union); FDA (Food & Drug Administration-USA); GHS (Global Harmonization System); HCS (Hazard Communication Standard); IARC (International Agency for Research on Cancer); ILO (International Labor Organization); LC50 (Lethal Concentration 50% test organisms); LD50 (Lethal Dose 50% test organisms); LVPVOC (Low Vapor Pressure Volatile Organic Compound); MSDS (Material Safety Data Sheet); SDS (Safety Data Sheet); MSHA (Mine Safety & Health Administration); NIOSH (National Institute of Occupational Safety & Health); NTP (National Toxicology Program); NOS (Not Otherwise Specified); OSHA (Occupational Safety & Health Administration); PEL (Permissible Exposure Limit); Prop 65 (California Proposition 65); PMCC
(Pensky Martin Closed Cup); RCRA (Resource Conservation & Recovery Act); RTK (Right-To-Know); R-Phrases (EU Risk Phrases); S-Phrases (EU Safety Phrases); SARA (Superfund Amendments & Reauthorization Act); TDG (Transport Dangerous Goods); TSCA (Toxic Substances Control Act); TSL
(Toxic Substance List); TLV (Threshold Limit Value); VOC (Volatile Organic Compounds); WHMIS (Workplace Hazardous Materials Information System-Canada); IrL50 (Inhibitory loading rate required to reduce algal growth rate by 50%); IbL50 (Inhibitory loading rate required to reduce area under growth curve or biomass by 50%); ppm (parts per million); mg/m3 (milligrams per cubic meter); N (no); Y (yes)

Further information/disclaimer

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