



SAFETY DATA SHEET

1. Identification

Product Identifier	Elky Pro Window Concentrate	
Other means of identification		
Product code	AD-1-BPNP	
Recommended use	Glass and solid surface cleaner.	
Recommended restrictions	Professional use only.	
Manufacturer information		
Company name	Hesco	
Address	218 Vermont St. Quincy, IL 62301	
Telephone	(800) 822-7467	
Emergency phone number	PERS	(800) 633-8253
	24 hour Emergency	(800) 633-8253

2. Hazard(s) Identification

Physical hazards	Flammable Liquids	Category 3
Health hazards	Eye irritation	Category 2A
	Skin irritation	Category 2
	Aspiration hazard	Category 1
Environmental hazards	Not classified.	
OSHA defined hazards	None.	
Label elements		



Signal word	DANGER
Hazard statement	Flammable liquid and vapor. Causes skin irritation. Causes serious eye irritation. May be fatal if swallowed and enters airways.
Precautionary statement	
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 and face thoroughly after handling.
Response	IF ON SKIN: Wash with plenty of soap and water. For specific treatment: see section 4 on the Safety Data Sheet. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. 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 ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. In case of fire: Use dry sand, dry chemical, or alcohol-resistant foam for extinction. IF SWALLOWED: Immediately call a POISON CENTER/doctor/medical professional. Do NOT induce vomiting. If vomiting occurs keep the victims head up to prevent stomach contents from entering the lungs
Storage	Store in a well-ventilated place. Keep cool. Store locked up.



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Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)	None.
Supplemental information	None.

3. Composition/information on ingredients

Mixture Component(s)		
Chemical name	CAS number	%
2-propanol	67-63-0	15-20
2-butoxyethanol	111-76-2	15-20
Other components below reportable levels		60-70

4. First-aid measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions.
Eye contact	Rinse with water for at least 15 minutes. Remove contact lenses if present and easy to do so. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Get medical attention if symptoms occur. Only induce vomiting at the instruction of medical personnel.
Most important symptoms/effects, acute and delayed	Dermatitis. Rash.
Indication of immediate medical attention and special treatment needed	Provide widespread support measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to the hospital. Keep victim under observation. Symptoms may be delayed.
General information	Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. Wash contaminated clothing before reuse.

5. Fire-fighting measures

Suitable extinguishing media	Water fog. Foam. Carbon dioxide (CO ₂). Dry chemical powder, sand, or earth may be used for small fires only.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread a liquid-fueled fire.
Specific hazards arising from the chemical	Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source or ignition and flash back. This product is a poor conductor of electricity and can become electrostatically charged. If sufficient charge is accumulated, ignition of flammable mixtures can occur. To reduce potential for static discharge, use proper bonding and grounding procedures. During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protecting clothing must be worn in case of fire.
Fire-fighting equipment/instructions	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	Flammable liquid and vapor.



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6. Accidental release measures

Personal precautions, protective equipment, and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Avoid inhalation of vapors or mists. Ensure adequate ventilation. Remove all sources of ignition. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up

Eliminate all ignition sources. Use only non-sparking tools. Take precautionary measures against static discharge. Keep combustibles away from spilled material.

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 entry into waterways, sewer, basements, or confined areas. Following product recovery, flush area with water.

Small spills: Absorb with earth, sand, or other non-combustible material and transfer to container for later disposal. Clean surface thoroughly to remove residual contamination.

Never return spills to original container for re-use. For waste disposal, see section 13 of the SDS.

Environmental precautions

Avoid release to the open environment or into sewer systems without authorization. Avoid discharge into areas not consistent with package labeling.

7. Handling and storage

Precautions for safe handling

Do not manage, store or open near an open flame, sources of heat or sources of ignition. Do not smoke. Use explosion proof equipment and non-sparking tools. Take precautionary measures against static discharge. Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Keep away from heat, sparks, and open flame. Ground/bond container and equipment. Store in original tightly closed container. Store away from incompatible materials (see section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

US OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
2-propanol	STEL	500 ppm
	TWA	400 ppm
2-butoxyethanol	PEL	50 ppm

US ACGIH Threshold Limit Values

Components	Type	Value
2-propanol	STEL	400 ppm
	TWA	200 ppm
2-butoxyethanol	TWA	20 ppm

Biological limit values

ACGIH Biological Exposure Indices

Components	Value	Determinant	Species	Sampling Time
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2-propanol	40 mg/L	Acetone	Urine	End of shift at end of workweek.
2-butoxyethanol	200 mg/g	Creatinine	Urine	End of shift.

Appropriate engineering controls

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.

Individual protection measures, such as personal protective equipment

Eye/face protection

Avoid contact with eyes. Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection

The use of gloves impervious to the specific material managed is advised to prevent skin contact. Users should check with manufacturers to confirm the breakthrough performance of their products. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. Suggested protective materials: Nitrile and PVC rubber.

Other

None.

Respiratory protection

In case of insufficient ventilation, wear suitable NIOSH-approved respiratory equipment.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

When using do not smoke or use chewing tobacco. Always observe good personal hygiene measures, such as washing after managing the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

9. Physical and chemical properties

Appearance

Physical State

Liquid

Color

Blue

Odor

Citrus

Odor threshold

Not available

pH

7-8.

Melting/freezing point

22.5°F (-5.5°C) estimated.

Initial boiling point and boiling range

210°F (99°C) estimated.

Flash point

94.5°F (34.7 °C) estimated

Evaporation rate

Not available

Flammability

Not available

Flammability Limits

Upper

Not available

Lower

Not available

Vapor pressure

Not available

Vapor density

Not available

Specific gravity (water=1)

0.96

Solubility in water

Complete

Partition coefficient (n-octanol/water)

Not applicable

Auto-ignition temperature

Not available

Decomposition temperature

Not available



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Viscosity Not available

10. Stability and reactivity

Reactivity This product is stable and non-reactive under normal conditions of use.
Chemical stability Material is stable under normal conditions. Store in a cool dark place.
Possibility of hazardous reactions Hazardous polymerization does not occur.
Conditions to avoid Avoid heat, sparks, open flames, and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatible materials Oxidizing agents, strong acids.
Hazardous decomposition products Carbon dioxide, carbon monoxide.

11. Toxicological information

Information on routes of exposure

Ingestion Expected to be low ingestion hazard.
Inhalation Prolonged inhalation may be harmful.
Skin contact Causes skin irritation.
Eye contact Direct contact with eyes may cause temporary irritation.
Symptoms related to the physical, chemical, and toxicological characteristics Dermatitis. Rash.
Acute toxicity Not established.

Product Elky Pro Window Concentrate (CAS mixture)		
Exposure Classification	Route and Species	LD ₅₀
Acute	<i>Dermal, rabbit</i>	> 8,760 mg/kg
Acute	<i>Oral, rat</i>	6,100 mg/kg estimated
*Estimates for product may be based on additional component data not shown		

Skin corrosion/irritation Causes skin irritation.
Serious eye damage/ irritation Causes serious eye irritation.
Respiratory sensitization Not available.
Skin sensitization Not available.
Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity This product is not expected to be a carcinogen.
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) Not Listed.
Reproductive toxicity This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity – single exposure Not classified.
Specific target organ toxicity – repeated exposure Not classified.
Aspiration hazard May be fatal if swallowed and enters airways.

12. Ecological information

Ecotoxicity		
Product	Elky Pro Window Concentrate (CAS mixture)	
Aquatic	Species	Test Results
Crustacea	Daphnia	EC ₅₀ (48 hr): 880 estimated



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Fish	Oncorhynchus mykiss	LC ₅₀ (96 hr): 379 estimated
*Estimates for product may be based on additional component data not shown		

Persistence and degradability	No data available. Chemicals of this class are reported to be moderately degradable in a toxic environment
Bioaccumulative potential	Potential to bioaccumulation is expected to be low. Highly water soluble
Mobility in soil	No data available. Chemicals of these classes are highly water soluble and will partition readily to water and weakly to particles in low-clay soil matrices. They are expected to exhibit moderate to high mobility in saturated and semi-saturated soils
Other adverse effects	No other adverse environmental effects known (<i>i.e.</i> , <i>ozone depleting substance</i> , <i>tropospheric ozone precursor</i> , <i>greenhouse gas emission</i> , <i>endocrine disruptor</i> , or <i>other deleterious environmental effect</i>)

13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations. As a flammable liquid, this product is prohibited from land disposal
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer, and the waste disposal company. As packaged, the product would be classified as an ignitable waste (D001) under provisions of 40 CFR part 261 Subpart C
Waste from residues/unused product	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner. (See: Disposal instructions).
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may contain product residue, follow label warnings even after container is emptied.

14. Transport information

USDOT

UN number	UN1993
UN proper shipping name	Flammable liquids, n.o.s. (Contains: Isopropanol)
Transport hazard class(es)	
Class	3
Subsidiary risk	-
Packaging group	III
Special precautions for user	Read safety instructions, SDS, and emergency procedures before handling.
Marine pollutant	No

Special precautions for user

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code This product is not intended to be transported in bulk.

DOT Label/Placard



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15. Regulatory information

US federal regulations

SARA 302 Extremely hazardous substance Not listed.

SARA 304 Emergency release notification Not listed.

SARA 311/312 Hazard Categories

Immediate Hazard - Yes

Delayed Hazard – No

Fire Hazard – Yes

Pressure Hazard – No

Reactivity Hazard – No

SARA 313 (TRI reporting) 2-butoxyethanol (Glycol ether category)

California Proposition 65 California Safe Drinking Water and Toxic Enforcement Act of 1986
This product is not known to contain any chemicals currently listed as carcinogens or reproductive toxins under California Proposition 65 at levels which would be subject to threshold determination and Safe Harbor notification (3/2022)

16. Other information, including date of preparation or last revision

Issue date 3/23/2022

Revision date

Version # 1

HMIS® ratings Health: 2
Flammability: 2
Physical hazard: 0

HEALTH	2
FLAMMABILITY	2
REACTIVITY	0
PERSONAL PROTECTION	<input type="checkbox"/>

NFPA rating Health: 2
Flammability: 2
Instability: 0



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**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge and have been obtained from resources believed to be reliable. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information related only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified by the text.

Revision information

First issue.