SAFETY DATA SHEET

1. Identification

Product Identifier	**Glass and Multi-Surface Cleaner**	
Other means of identification		
Product code	18121; ICP #1	
Recommended use	Glass and firm surface cleaner.	
Recommended restrictions	Professional use only.	
Manufacturer/distributor/supplier/importer information		
Company name	Faultless Brands	
Address	1025 W 8th St. Kansas City, MO 64101	
Telephone	1-(800)-821-5565	
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
Environmental hazards	Not classified.	
OSHA defined hazards	None.	
Label elements		

Signal word	**Warning**
Hazard statement	Flammable liquid and vapor. Causes skin irritation. Causes serious eye irritation.
Precautionary statement	
Prevention	Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. 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 charge. Wear protective gloves/ eye protection/ face protection. Wash hands thoroughly after handling.
Response	**IF ON SKIN (or hair):** Take off immediately all contaminated clothing, wash before reuse. Rinse skin with water/shower with plenty of water. In case of fire: Use dry sand, dry chemical, or alcohol-resistant foam for extinction. Specific treatment, see Section 4. If skin irritation occurs: Get medical help. **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.
Storage	Store in a well-ventilated place. Keep cool. Store locked up.
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**	**Purpose**	**%**
Water	7732-18-5	Solvent	65-75%
Isopropyl Alcohol	67-63-0	Solvent	10-20%
2-butoxyethanol	111-76-2	Solvent	5-15%
Nonylphenol	127087-87-0	Surfactant	<1%
Dye	Proprietary	Colorant	<0.1%
Glycol Ethers	Proprietary	Solvent	<0.1%
Fragrance Component	Proprietary	Fragrance Component	<0.1%
d-Limonene	5989-27-5	Fragrance Component	<0.01%
Coumarin	91-64-5	Fragrance Component	<0.01%
alpha-Isomethyl Ionone	127-51-5	Fragrance Component	<0.001%
Hexyl Cinnamic Aldehyde	101-86-0	Fragrance Component	<0.001%
Linalool	78-70-6	Fragrance Component	<0.001%
Butylphenyl Methylpropional	80-54-6	Fragrance Component	<0.001%

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.

Most important symptoms/effects, acute and delayed Dermatitis. Rash.

Indication of immediate medical attention and special treatment needed Provide broad support measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

General information Ensure that medical personnel are aware of the material(s) involved. 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.

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 oversee, 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

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 oversaw 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 overseeing 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	103.1°F (39.5 °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

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 Glass & Multi-Surface Cleaner (CAS mixture)		
Exposure Classification	**Route and Species**	**LD_{50}**
Acute	*Dermal, rabbit*	> 8,760 mg/kg
Acute	*Oral*, rat	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 Glass & Multi-Surface Cleaner (CAS mixture)		
Aquatic	**Species**	**Test Results**
Crustacea	Daphnia	EC_{50}(48 hr): 800 estimated

Fish	Oncorhynchus mykiss	LC_{50}(96 hr): 240 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.e., ozone depleting substance, tropospheric ozone precursor, greenhouse gas emission, endocrine disruptor, or other deleterious environmental effect*)

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

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 1/14/2015

Revision date 5/20/2022

Version # 3

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

NFPA rating Health: 2
Flammability: 2
Instability: 0

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

General format update; Toxicity classification, aspiration hazard removed to accurately reflect formula; Hazard statements; Precautionary statements. Refine composition table, amend physical data; Update toxicology thresholds and environmental fate information; Text clarification. California Proposition 65 notice.