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Safety Data Sheet

Window Cleaner

SECTION 1: PRODUCT AND COMPANY INFORMATION

Product Identifiers

Name Window Cleaner
Number 11108, 11110, 11168, 99638
Brand Griot's Garage
Product Use Window cleaning.

Supplier

Name
Address

Telephone

Emergency Phone

Prepared/Revised

SECTION 2: HAZARD IDENTIFICATION

Classification of the substance or mixture

Physical Hazard Not Classified
Eye Damage / Irritation (Category 2B), Causes eye irritation.

Environmental Hazards Not classified.

GHS Label elements and precautionary statements

Pictogram None

Signal word **WARNING**

Prevention Wash skin thoroughly after handling.

Response 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 or attention.

Storage None

Disposal None

Hazards not otherwise classified not covered by GHS.

HMIS Rating: Health hazard: 1 Chronic Health Hazard: 0 Flammability: 0 Physical Hazard 0

NFPA Rating: Health hazard: 1 Fire Hazard: 0 Reactivity Hazard: 0

Supplemental Information

See Section 16 for alphanumeric H-Statements and P-Statements.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS	EC	% Wt.
Isopropyl alcohol	67-63-0	200-661-7	1-3

This composition consists of a combination of ingredients. The ones potentially contributing to classified hazards are reported above. The above chemistries are provided for industrial hygiene and environmental purposes and are not intended to represent product specifications.

SECTION 4: FIRST AID MEASURES

Description of first aid measures

General advice Move out of dangerous area. Consult a physician if you feel unwell. Show this safety data sheet to the doctor and first responders.

In case of eye contact 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.

In case of skin contact Wash with plenty of water. Take off all contaminated clothing and shoes. Wash contaminated clothing before reuse. Decontaminate or discard shoes. Seek immediate medical attention if you feel unwell.

If inhaled Remove person to fresh air and keep comfortable for breathing. Contact a poison center/doctor/seek immediate medical attention if you feel unwell.

If swallowed Rinse mouth. Call a poison center/doctor. Seek immediate medical attention if you feel unwell.

Most important symptoms and effects, both acute and delayed: See Sections 2 and 11.

Indication of any immediate medical attention and special treatment needed: Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES**Extinguishing Media**

Suitable Use dry chemical, CO₂, water spray (FOG) or foam.
Unsuitable Avoid solid water stream as it may scatter and spread fire.

Special hazards arising from the substance or mixture

Use water spray to cool fire exposed container surfaces and to protect personnel. Thermal decomposition can produce carbon monoxide (highly toxic) and carbon dioxide (an asphyxiant at sufficient concentrations).

Advice for firefighters As in any fire, fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. (MSHA/NIOSH approved or equivalent).

Further information If employees are expected to fight fires, training and equipment information can be found in OSHA Fire Brigades Standard (29 CFR 1910.156).

SECTION 6: ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Use appropriate safety equipment. Keep unnecessary and unprotected personnel from entering the area. Keep upwind of spill. Ventilate area of leak or spill. No smoking in area. For large spills, warn public of downwind explosion hazard.

Environmental precautions

Prevent from entering into soil, ditches, sewers, waterways and/or groundwater.

Methods and materials for containment and cleaning up

Contain spilled material if possible. Collect in suitable and properly labeled containers.

Reference to other sections-resources

For additional information, refer to Section 8: Exposure Controls and Personal Protection, Section 7: Handling, Section 12: Ecological Information, Section 13: Disposal Considerations and OSHA Hazardous Waste Operations and Emergency Response Standard (29 CFR 1910.120).

SECTION 7: HANDLING AND STORAGE**Precautions for safe handling**

Avoid contact with skin and eyes. Avoid inhalation of dust for dry products and vapor or mist for liquids. When product is flammable or combustible, keep away from sources of ignition - No smoking. Take measures to prevent the buildup of electrostatic charge. For precautions see Section 2.

Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Specific end use

See Section 1.

SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION**Control parameters**

Under normal conditions of use, no special precautions or control measures are required. If inhalation or skin and eye contact are possible, exposure limits determined by OSHA, ACGIH and NIOSH for components are provided. Limits are for air levels only. Skin contact can cause over exposure even when limits are met.

Component Exposure Limits

Isopropanol (67-63-0): OSHA: PEL: 400 ppm averaged over an 8-hour work shift. NIOSH: REL: 400 ppm averaged over a 10-hour work shift and 500 ppm, not to be exceeded during any 15-minute work period. ACGIH: TLV: 200 ppm averaged over an 8-hour work shift and 400 ppm as a STEL.

Appropriate engineering controls

Where possible, enclose operations and use local exhaust ventilation at the site of chemical release. Maintain airborne levels below exposure limit requirements or guidelines. If local exhaust ventilation or enclosure is not used respirators should be worn. Wear protective work clothing. Facilities storing, packaging or utilizing product should be equipped with an eyewash and a safety shower facility. Wash thoroughly immediately after exposure, before breaks and the end of the work shift. Post hazard and warning information in the work area. In addition, as part of an ongoing education and training effort, communicate all information on the health and safety hazards to potentially exposed workers.

Personal protective equipment

Safety glasses and chemical resistant gloves are recommended whenever chemicals are handled. Obtain detailed information from OSHA Personal Protective Equipment Standard (29 CFR 1910.132) and equipment suppliers.

Eye/face protection

Face shield and, or safety glasses are recommended where misting or splashing is a risk. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Wear protective gloves/protective clothing. Dispose of contaminated gloves after use in accordance with applicable regulations and good practices. Wash and dry hands. Wash contaminated clothing and decontaminate shoes before reuse.

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Respiratory protection Use when overexposure potential. Improper use of respirators is dangerous. Respirators should only be used with a written program as described in the OSHA Respiratory Protection Standard (29 CFR 1910.134).

Control of environmental exposure

Avoid release to the environment. Collect spillage. Dispose of contents/container in accordance with regulations.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State: Liquid
Color: Clear
Odor: Mild Solvent
Boiling Point/Range: 212°F (100°C)
Flash Point: Not Determined
Auto Ignition Temp: Not Determined
Lower Flammability Limit: Not Determined
Upper Flammability Limit: Not Determined
Vapor Pressure (psi @100°F): Not Determined
Vapor Density: Not Determined
Freezing Point/Melting Point: >208°F (>98°C)
Solubility (Water): Complete
Specific Gravity: 1
Evaporation Rate (Butyl Acetate = 1): Not Determined
Viscosity: Not Determined
pH: Not Determined
VOC: Not Determined.

Other Information

Physical Data is typical values based on material tested, but may vary based on composition. Values should not be accepted as guaranteed for every lot or as specifications for this product.

SECTION 10: STABILITY AND REACTIVITY

Reactivity Does not react under normal conditions of use.

Chemical Stability Stable under normal conditions of use.

Stability/Incompatibility Avoid contact with strong oxidizers.

Conditions to Avoid None known.

Hazardous Reactions/Decomposition Products

Does not decompose under normal conditions; may produce CO, CO₂, volatile hydrocarbons and other possibly toxic gases in fire.

SECTION 11: TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

Component toxicity Isopropanol (67-63-0): Acute toxicity LD50 Oral - Rat - 5,045 mg/kg - LC50 Inhalation - Rat - 8 h - 16000 ppm - LD50 Dermal - Rabbit - 12,800 mg/kg - Skin corrosion/irritation Skin – Rabbit Result: Mild skin irritation - Eye irritation - 24 h.

Mixture toxicity Skin corrosion/irritation – Inhalation - Serious eye damage/eye irritation - Respiratory or skin sensitization - Germ cell mutagenicity - Reproductive toxicity - Specific target organ toxicity - single exposure – Specific target organ toxicity - repeated exposure - Aspiration: All no data available.
Carcinogenicity: No component of this product present at levels greater than or equal to 0.1% is classified as a carcinogen by the National Toxicology Program (NTP), the International Agency for Research on Cancer (IARC), or the Occupational Safety and Health Administration (OSHA).

Additional Information None known.

SECTION 12: ECOLOGICAL INFORMATION

Component ecotoxicity Isopropanol (67-63-0): Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - 9,640.00 mg/l - 96 h Toxicity to daphnia and other aquatic invertebrates EC50 - Daphnia magna (Water flea) 5,102.00 mg/l - 24 h Immobilization EC50 - Daphnia magna (Water flea) - 6,851 mg/l - 24 h Toxicity to algae EC50 - Desmodesmus subspicatus (green algae) - > 2,000.00 mg/l - 72 h EC50 - Algae - > 1,000.00 mg/l - 24 h.

Mixture ecotoxicity Toxicity to Fish - Persistence and Biodegradability - Bioaccumulative Potential - Mobility in Soil: All no data available.

Other adverse effects None known.

SECTION 13: DISPOSAL CONSIDERATION**Waste treatment methods****Product**

Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

SECTION 14: TRANSPORT INFORMATION

DOT: Not Regulated – **IATA:** Not Regulated – **IMDG:** Not Regulated

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Additional transportation system information can be obtained through a shipper authorized sales or customer service representative.

SECTION 15: REGULATORY INFORMATION**Federal**

TSCA: Components of this product are listed on the TSCA Inventory.

RCRA: None of the ingredients are currently listed as a substance or a source waste under current regulations (40 CFR 261.31, 32 and 33).

CERCLA: Product is not found in "List of Hazardous Substances and Reportable Quantities" (40 CFR 302.4)

SARA TITLE III: (Superfund Amendments and Reauthorization Act)

302 Components: None are subject to the reporting requirements of Section 302.

313 Components: Component subject to reporting levels established by SARA Title III, Section 313: 2-Propanol CAS-No. 67-63-0

311/312 Hazards: Acute Health Hazard

States

Right to Know Components: 2-Propanol CAS-No. 67-63-0 – MA, PA and NJ

Canada

DSL: Components of this product are listed on the Canadian Domestic Substances List.

WHMIS: Isopropyl alcohol: B2 Flammable Liquid - D2B - Toxic Material Causing Other Toxic Effects (eye irritation in animals)

SECTION 16: OTHER INFORMATION**Alphanumeric H-Statements and P-Statements.**

H320 Causes eye irritation.

P264 Wash skin thoroughly after handling.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332 + P313 If eye irritation persists: Get medical advice/ attention.

Disclaimer

The data presented here relates only to the specific material designated herein and does not relate to use in combination with any other materials or in any process. The information set forth above is based on technical data believed to be reliable. It is intended for use by persons having technical skill and at their own discretion and risk. Since conditions of use are outside our control, no warranties, expressed or implied are made, and no liability is assumed in connection with any use of this information. Judgments as to the suitability of this information for the user's purposes are necessarily the user's responsibility. Although reasonable care has been taken in the preparation of this information, no responsibility is assumed as to the accuracy or suitability of this information for its application to the users intended purpose or for consequences of its use.

Potential Health Effects

This product is a mixture for which no specific health hazard data exists. OSHA requires that one should assume such mixtures present the same health hazards as do any components present in amounts greater than 1% (0.1% for carcinogens). Consumers accessing our SDS information should keep in mind the information is presented in a format required by the U.S. Government's Occupational Safety and Health Administration (OSHA). We provide SDS as a service for our business customers. These industrial SDSs are not applicable to consumer use of these products. We thoroughly evaluate the safety aspects of all of our consumer products prior to their use in the home.