

**MATERIAL SAFETY DATA SHEET**

This MSDS complies with OSHA'S Hazard Communication Standard 29 CFR 1910.1200 and OSHA Form 174

IDENTITY AND MANUFACTURER'S INFORMATION						
NFPA Rating: Health-1; Flammability-1; Reactivity-0; Special--None			HMIS Rating: Health-1; Flammability-1; Reactivity-0; Personal Protection-B			
Manufactured By: <b>Amrep Automotive Products Group</b> Address: 990 Industrial Park Dr. Marietta, GA 30062			DOT Description: Not Regulated Identity (trade name as used on label): <b>OFFICE DEPOT SCREEN CLEANER</b>			
Date Prepared: 10/1/03		Prepared By: LMA		MSDS Number: B6942 / 503000236		
Information Calls: (770) 422-2071			Revision: 0			
DOT EMERGENCY RESPONSE PHONE NUMBER: (800) 424-9300			NOTICE: JUDGEMENT BASED ON INDIRECT TEST DATA			
SECTION 1 - MATERIAL IDENTIFICATION AND INFORMATION						
COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)		CAS Number	SARA III LIST	OSHA PEL (ppm)	ACGIH TLV (ppm)	Carcinogen Ref. Source **
ISOPROPYL ALCOHOL		67-63-0	No	400	200	d
2-BUTOXYETHANOL		111-76-2	No	25 (skin)	20 (skin)	d
SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS						
Boiling Point: 180-343°F (range for the concentrate)			Specific Gravity (H <sub>2</sub> O=1): 0.99 (for the concentrate)			
Vapor Pressure: PSIG @ 70°F (Aerosols): N/Ap			Vapor Pressure (Non-Aerosols) (mm Hg and Temperature): N/E			
Vapor Density (Air = 1): N/E			Evaporation Rate (butyl Acetate = 1): N/E			
Solubility in Water: Complete			Water Reactive: No			
Appearance and Odor: Colorless; bland to no odor.			VOC (Federal EPA Definition) = 8.0 % (by weight)			
SECTION 3 - FIRE AND EXPLOSION HAZARD DATA						
Flammability as per USA Flame Projection Test (aerosols): N/Ap		Auto Ignition Temperature: N/E		Flammability Limits in Air by % in Volume: % LEL: N/E % UEL: N/E		
FLASH POINT AND METHOD USED (non-aerosols): >200° F PMCC			EXTINGUISHER MEDIA: Foam, dry chemical; use water spray to cool exposed surfaces.			
SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus.						
Unusual Fire & Explosion Hazards: Residue remaining after evaporation of water may be combustible.						
SECTION 4 - REACTIVITY HAZARD DATA						
STABILITY <input checked="" type="checkbox"/> STABLE <input type="checkbox"/> UNSTABLE			HAZARDOUS POLYMERIZATION <input type="checkbox"/> WILL <input checked="" type="checkbox"/> WILL NOT OCCUR			
Incompatibility (materials to avoid): Acids and strong oxidizers.			Conditions to Avoid: Open flame, welding arcs, heat, sparks.			
Hazardous Decomposition Products: Includes, but not limited to smoke, fumes, carbon monoxide, carbon dioxide.						
SECTION 5 - HEALTH HAZARD DATA						
PRIMARY ROUTES OF ENTRY: <input checked="" type="checkbox"/> INHALATION <input type="checkbox"/> INGESTION <input checked="" type="checkbox"/> SKIN ABSORPTION <input checked="" type="checkbox"/> EYE <input type="checkbox"/> NOT HAZARDOUS						
ACUTE EFFECTS:						
Inhalation: May cause headache, dizziness, nausea, and anesthetic effects (CNS depression), and possible unconsciousness.						
Eye Contact: Will cause irritation.			Skin Contact: May irritate and/or cause dermatitis.			
Ingestion: Nausea, vomiting, and diarrhea; possible chemical pneumonitis if aspirated into lungs.						
CHRONIC EFFECTS: Chronic overexposure to Isopropyl Alcohol has been suggested as a cause of mild, reversible liver effects in laboratory animals. Chronic overexposure to 2-Butoxyethanol has been shown to cause harm to the fetus in laboratory animal studies. Harm to the fetus occurs only at exposure levels that harm the pregnant animal. The relevance of these findings to humans is uncertain.						
Medical Conditions Generally Aggravated by Exposure: May aggravate existing eye, skin or upper respiratory conditions.						
EMERGENCY FIRST AID PROCEDURES						
Eye Contact: Flush with water for at least 15 minutes; if irritated, seek medical attention.						
Skin Contact: Remove contaminated clothing; launder before re-use. Wash skin with soap and water; if irritated, seek medical attention.						
Inhalation: Remove to fresh air; resuscitate if necessary. Administer oxygen if breathing is difficult. Seek medical attention.						
Ingestion: DO NOT INDUCE VOMITING. Seek immediate medical attention.						
SECTION 6 - CONTROL AND PROTECTIVE MEASURES						
Respiratory Protection (specify type): If vapor concentration exceeds TLV, use respirator approved by MSHA/NIOSH.						
Protective Gloves: Disposable nitrile gloves are suggested.			Eye Protection: Safety glasses recommended.			
Ventilation Requirements: Adequate ventilation to keep vapor concentration below TLV.						
Other Protective Clothing & Equipment: Eyewash station.						
Hygienic Work Practices: Do not eat, drink or smoke in work areas. Wash hands after handling.						
SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE						
Steps To Be Taken If Material Is Spilled Or Released: Absorb spilled liquid with suitable medium. Do NOT flush to sewers or drains. Dispose according to local, state and federal regulations.						
Waste Disposal Methods: Dispose according to local, state and federal regulations.						
Precautions To Be Taken In Handling & Storage: Store in original shipping containers in cool, dry area away from extreme heat and cold. Keep container closed when not in use.						
Other Precautions &/or Special Hazards: KEEP OUT OF REACH OF CHILDREN. Read and follow all label directions. Avoid breathing vapors. Remove ignition sources. Avoid food contamination.						

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind.

\*\* Chemical Listed as Carcinogen or Potential Carcinogen. [a] NTP [b] IARC Monograph [c] OSHA [d] Not Listed [e] Animal Data Only

THIS MSDS IS CURRENT AS OF November 1, 2005. The DATE PREPARED section is the original date assembled and remains current until a change is necessary. This is tracked internally at AMREP by these date codes and therefore must remain as the originating date.

# Material Safety Data Sheet

<b>Section 1. Chemical Product and Company Identification</b>	
Common Name	<b>Office Depot Screen Cleaner</b>
Supplier	Office Depot
Synonym	Screen Cleaner
Trade name	Screen Cleaner
Material Uses	Screen Cleaner
Manufacturer	Petro Chemical Products, Inc. 2910 West Beaver Street Jacksonville, Florida 32254 (904) 981-4135
Code	503000236
MSDS#	236
Validation Date	2/4/2000
Print Date	2/4/2000
Responsible Name	Technical Department
In Case of Emergency	Chemtrec 1-800-424-9300 1-202-483-7616

<b>Section 2. Composition and Information on Ingredients</b>			
Name	CAS #	% by Weight	Exposure Limits
1) Water	7732-18-6	80-95	Not available.
2) Isopropyl Alcohol	67-63-0	1-10	TWA: 400 (ppm) from OSHA (PEL) [United States] TWA: 400 (ppm) from ACGIH (TLV) [United States]
3) Ethylene Glycol Monobutyl Ether	111-76-2	1-5	TWA: 50 (ppm) from OSHA (PEL) [United States] SKIN TWA: 25 (ppm) from ACGIH (TLV) [United States] SKIN

<b>Section 3. Hazards Identification</b>	
Physical State and Appearance	Liquid Pump Spray
Emergency Overview	<b>DANGER!</b> <b>FLAMMABLE.</b> Keep away from heat, sparks and flame. Keep container closed. Use only with adequate ventilation. Keep out of reach of children.
Routes of Entry	Skin, Eyes, Ingestion
Potential Acute Health Effects	<i>Eyes</i> This product may irritate eyes upon contact. <i>Skin</i> This product may irritate skin upon contact. <i>Inhalation</i> Not available. <i>Ingestion</i> May be harmful if swallowed. May cause nausea or stomach pain.
Potential Chronic Health Effects	NO carcinogenic effect.
Medical Conditions Aggravated by Overexposure:	Repeated or prolonged exposure is not known to aggravate medical condition.

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**Overexposure /Signs/Symptoms** Not available.  
See Toxicological Information (section 11)

**Section 4. First Aid Measures**

<b>Eye Contact</b>	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.
<b>Skin Contact</b>	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
<b>Inhalation</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
<b>Ingestion</b>	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.
<b>Notes to Physician</b>	Not available.

**Section 5. Fire Fighting Measures**

<b>Flammability of the Product</b>	FLAMMABLE.
<b>Auto-ignition Temperature</b>	Not available.
<b>Flash Points</b>	CLOSED CUP: 52°C (126°F)
<b>Flammable Limits</b>	Not available.
<b>Products of Combustion</b>	Not available.
<b>Fire Hazards in Presence of Various Substances</b>	FLAMMABLE.
<b>Explosion Hazards in Presence of Various Substances</b>	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.
<b>Fire Fighting Media and Instructions</b>	Flammable liquid, soluble or dispersed in water. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use alcohol foam, water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.
<b>Protective Clothing (Fire)</b>	Be sure to use an approved/certified respirator or equivalent.
<b>Special Remarks on Fire Hazards</b>	Not available.
<b>Special Remarks on Explosion Hazards</b>	Not available.

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**Section 6. Accidental Release Measures**

Small Spill and Leak	Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.
Large Spill and Leak	No special measures are typically indicated.

**Section 7. Handling and Storage**

Handling	Keep container closed. Use only with adequate ventilation. Store and use away from heat, sparks, open flame, or any other ignition source.
Storage	Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame). Keep out of reach of children.

**Section 8. Exposure Controls/Personal Protection**

Engineering Controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.
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**Personal Protection***Eyes* Safety glasses.*Body* Work uniform or laboratory coat.*Respiratory* Wear appropriate respirator when ventilation is inadequate.*Hands* No special recommendations.*Feet* Not applicable.**Protective Clothing  
(Pictograms)**

Personal Protection in Case of a Large Spill	Gloves. Safety glasses.
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Product Name	Exposure Limits
1) Water	Not available.
2) Isopropyl Alcohol	TWA: 400 (ppm) from OSHA (PEL) [United States] TWA: 400 (ppm) from ACGIH (TLV) [United States]
3) Ethylene Glycol Monobutyl Ether	TWA: 50 (ppm) from OSHA (PEL) [United States] SKIN TWA: 25 (ppm) from ACGIH (TLV) [United States] SKIN

Consult local authorities for acceptable exposure limits.

**Section 9. Physical and Chemical Properties**

Physical State and Appearance	Liquid Pump Spray	Odor	Slight.
Molecular Weight	Not applicable.	Taste	Not available.
Molecular Formula	Not applicable.	Color	Blue. (Light.)
pH (1% Soln/Water)	Not available.		
Boiling/Condensation Point	The lowest known value is 100°C (212°F) (Water).		
Melting/Freezing Point	May start to solidify at 0°C (32°F) based on data for: Water.		

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Critical Temperature	Not available.
Specific Gravity	1 (Water = 1)
Vapor Pressure	Not available.
Vapor Density	Not available.
Volatility	Not available.
Odor Threshold	Not available.
Evaporation Rate	Not available.
VOC	8%
Viscosity	Not available.
LogK <sub>ow</sub>	Not available.
Ionicity (in Water)	Amphoteric. (Water).
Dispersion Properties	See solubility in water, methanol, acetone.
Solubility	Easily soluble in cold water, hot water, methanol, acetone.
Physical Chemical Comments	Not available.

### Section 10. Stability and Reactivity

Stability and Reactivity	The product is stable.
Conditions of Instability	Not available.
Incompatibility with Various Substances	Not available.
Hazardous Decomposition Products	Not available.
Hazardous Polymerization	Will not occur.

### Section 11. Toxicological Information

Toxicity to Animals	LD50: Not available. LC50: Not available.
Chronic Effects on Humans	Not available.
Other Toxic Effects on Humans	No specific information is available in our database regarding the other toxic effects of this material for humans.
Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	Not available.
Special Remarks on Other Toxic Effects on Humans	Not available.

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**Section 12. Ecological Information**

Ecotoxicity	Not available.
BOD5 and COD	Not available.
Biodegradable/OECD	Not available.
Mobility	Not available. Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation	Not available.
Special Remarks on the Products of Biodegradation	Not available.

**Section 13. Disposal Considerations**

Waste Information	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Waste Stream	Not available.
Consult your local or regional authorities.	

**Section 14. Transport Information**

DOT Classification	ORM-D - CONSUMER COMMODITY	
Marine Pollutant	Not a marine pollutant.	
Hazardous Substances Reportable Quantity	Not available.	
Special Provisions for Transport	Not available.	
TDG Classification	Class 3: Flammable liquid.	
ADR/RID Classification	Class 3: Flammable liquid A.	
IMO/IMDG Classification	CLASS 3.3: Flammable liquid (High flashpoint group of liquids having a flashpoint of 23°C (73°F) up to, and including, 61°C (141°F) c.c.).	
ICAO/IATA Classification	Class 3: Flammable liquid.	

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**Section 15. Regulatory Information**

**HCS Classification** Class: Combustible liquid having a flash point between 37.8°C (100°F) and 93.3°C (200°F).

**U.S. Federal Regulations** TSCA 8(b) inventory: Water  
 SARA 302/304/311/312 extremely hazardous substances: No products were found.  
 SARA 302/304 emergency planning and notification: No products were found.  
 SARA 302/304/311/312 hazardous chemicals: No products were found.  
 SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found.  
 SARA 313 toxic chemical notification and release reporting: No products were found.  
 Clean water act (CWA) 307: No products were found.  
 Clean water act (CWA) 311: No products were found.  
 Clean air act (CAA) 112 accidental release prevention: No products were found.  
 Clean air act (CAA) 112 regulated flammable substances: No products were found.  
 Clean air act (CAA) 112 regulated toxic substances: No products were found.

**International Regulations**

**WHMIS (Canada)** CLASS B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F).

No products were found.

**EINECS** Not available.

**DSCL (EEC)** R10- Flammable.

**International Lists** No products were found.

**State Regulations** No products were found.  
 California prop. 65: No products were found.

**Section 16. Other Information**

**Label Requirements** FLAMMABLE.

**Hazardous Material Information System (U.S.A.)**

Health	1
Fire Hazard	2
Reactivity	0
Personal Protection	

**National Fire Protection Association (U.S.A.)**



**References** Not available.

**Other Special Considerations** Not available.

Validated by Technical Department on 2/4/2000.

Verified by Environmental Department.

Printed 2/4/2000.

**Chemtrec**  
 1-800-424-9300  
 1-202-483-7616

**Notice to Reader**

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*