



Approved Aircraft Wash

DESCRIPTION

Skybrite is formulated specifically to remove greasy, carbon-based soils, including "Skydrol" residues, from aircraft surfaces. **Skybrite** is an approved water-based cleaner that contains no petroleum solvents or thinners that would violate Rule 66 Codes or sewer discharge standards.

DIRECTIONS

Skybrite is best used at 6.5 to 25.5 oz per gallon of water (50 to 200 ml/litre) (1:20 to 1:4), either by low pressure spray or foam-on application. For best results, apply **Skybrite** solutions uniformly to the aircraft surface and allow 5 to 15 minutes contact time before rinsing. Heavy oil or grease deposits may need additional scrubbing and/or a stronger concentration of product.

AUTHORIZATION

Conforms to all tests conducted in accordance with AMS 1534, including:

Boeing D6-17487, Revision H

Sandwich Corrosion Test	Conforms
Acrylic Craze Test	Conforms
Paint Softening Test	Conforms
Hydrogen Embrittlement Test	Conforms

Douglas CSD #1, Reissued 1-22-79

Effect on Painted Surfaces Test	Conforms
Residue Test	Conforms
Sandwich Corrosion Test	Conforms
Stress Cracking Test on Acrylic Plastics	Conforms
Cadmium Removal Test	Conforms
Hydrogen Embrittlement Test	Conforms

PHYSICAL DATA

Appearance	Clear liquid
Color	Blue
Foam	Moderate
Odor	Slight solvent
pH	10.0 - 11.0

MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT/MANUFACTURER'S IDENTITY

Product Name: **SKYBRITE**

WHMIS CODE: D2B
 Proper Shipping Name: N/A
 Hazard Class: N/A
 UN Number: N/A

HMIS	
2	Health
0	Flammability
0	Reactivity
B	Personal

Product Use: *Aircraft cleaner.*

M-chem Technologies Inc.
 1607 Derwent Way
 Delta, BC V3M 6K8, Canada
 Phone: (604) 526-5655

EMERGENCY PHONE
 Canada: Canutec 613-996-6666
 U.S.A.: Chemtrec 800-424-9300

A=Goggles, B=Goggles & Gloves
 C=Goggles, Gloves and Apron

ABBREVIATION KEY: N/A=Not Applicable, N/E=Not Established, N/D=Not Determined, > =Greater Than

SECTION 2 – HAZARDOUS INGREDIENTS INFORMATION

INGREDIENT	CAS NO.	RANGE %	PEL	TLV
ETHYLENE GLYCOL MONOBUTYL ETHER Exposure Limit Skin: 25 ppm The above item is reported per 40 CFR 372, Section 313 of Emergency Planning and Community Right to Know Act of 1986 LD 50 (oral rat) 1746 mg/kg LD 50 (dermal) 435 mg/kg (Rabbit) LC50 700 ppm, 7hr. (Mouse)	111-76-2	1.0-5.0	N/A	25 ppm TWA
ALCOHOL ETHOXYLATE LD50 (oral rat) 1376 mg/kg LD50 (dermal rabbit) >2 g/kg	68439-46-3	10.0-15.0	N/A	N/A

SECTION 3 – PHYSICAL DATA

Color and Odor: Blue, mild solvent odor. **Boiling Point:** N/D **Vapor Pressure (mm HG):** N/D **pH:** 10.0 – 11.0
Physical State: Liquid. **Melting Point:** N/A **Vapor Density:** N/D **Specific Gravity:** 1.02@20°C
Coef. Water/Oil Dist: Greater than 1.0 **Evaporation Rate:** N/D **Solubility in Water:** Soluble **Odor Threshold:** No Data

SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method: None. **Sensitivity to Mechanical Impact:** None. **Extinguishing Media:** Not flammable.
Flammable Limits: None known. **Sensitivity to Static Discharge:** None. **Auto ignition Temperature:** None known.
Unusual Fire and Explosion Hazards: None. **Conditions of Flammability:** None.
Hazardous Combustion Products: Carbon and nitrogen oxides, ammonia gases.
Special Fire Fighting: Wear NIOSH/MSHA approved, self-contained breathing apparatus for fire fighting situation. Use water spray to cool all nearby fire exposed surfaces.

SECTION 5 – REACTIVITY DATA

Chemical Stability: Stable under normal storage conditions. **Hazardous Polymerization:** Will not occur.
Incompatibility (material to avoid): Strong oxidizer and acids.
Hazardous Decomposition Products: Carbon and nitrogen oxides, ammonia gases.

SECTION 6 – TOXICOLOGICAL DATA

Exposure Limits: See Section 2 under Hazardous Ingredient. **Carcinogenicity:** None known.
Irritancy of Product: Irritating to skin, eyes and respiratory system. **Routes of Entry:** Skin & eye contact, inhalation.
Sensitization: None known. **Teratogenicity:** None known
Mutagenicity: None known. **Reproductive Toxicity:** None known.
Name of Toxicological Synergistic Product: None known.
Effects of Chronic Exposure: Prolonged or repeated exposure may cause skin irritation or dermatitis, respiratory disorder and may also cause blood disorders through skin absorption of ethylene glycol mono-butyl ether (based on animal test data).
Effects of Acute Exposure to Product: Product exposure may irritate or burn skin and eyes. Prolonged inhalation of vapors or mists may cause breathing problems, headaches, and nausea. Also, may be harmful if absorbed through skin. Ingestion may cause gastro-intestinal and abdominal discomfort, and symptoms similar to inhalation.

SECTION 7 – PREVENTATIVE AND CONTROL MEASURES

Respiratory Protection: Normally not required. However, if product is misted or sprayed, use a NIOSH/MSHA approved mist & organic vapor respirator.
Ventilation: Good general ventilation or local exhaust ventilation for spraying and misting in confined areas.
Protective Gloves: Use Butyl rubber or Neoprene gloves when handling concentrate.
Eye Protection: Chemical goggles, safety goggles or glasses.
Protective Clothing and Equipment: Eyes wash recommended in the immediate work area.
Storage and Handling Procedures: Use good Industrial hygiene. Avoid contact with skin, eyes and clothing. Store in a cool, dry place away from incompatibles. Keep container closed when not in use. Do not mix with other chemicals. Store at temperatures below 30°C and keep from freezing.
Disposal Procedures for Spills or Leaks: Scoop up any spills and place in sealed container for disposal. Keep away from sewers and natural waters.
Waste Disposal Method: Reuse if possible. Otherwise dispose recovered material in accordance with all local, Provincial or Federal regulations.
Special Shipping Information: Store at temperature below 30°C. Keep from freezing.

SECTION 8 – EMERGENCY FIRST AID PROCEDURES

First Aid:
 If swallowed, give plenty of clean water to drink to dilute product. Do not induce vomiting. Call a Physician. In case of contact with eyes, flush with clean water for 15 minutes. Get medical attention. For contact with skin, wash with clean water and rinse well. If irritation occurs or persists, get medical attention.

PREPARATION DATA