

**1. Identification:****Product Identity:** North Star**Recommended Use:** Window Cleaner**Producer / Distributor**Dalco  
300 5th Ave. NW  
New Brighton, MN 55112**Telephone Number for Information:** 800-950-1975**Emergency Telephone Number:** 800-278-6176**2. Hazard Identification:****Classification:****Health Class**Mild Skin Irritation Category 3  
Eye Irritant Category 2  
Reproductive Toxicity Category 2  
Specific Target Organ Toxicity - Single Exposure Category 2  
Specific Target Organ Toxicity - Repeated Exposure Category 2**Physical Class**

Flammable Liquid Category 3

**Environment Class****Label****Symbols****Hazard Statements:**Causes mild skin irritation.  
Causes eye irritation.  
Suspected of damaging fertility or the unborn child.  
May cause damage to central nervous system, respiratory tract, kidneys, and/or ears.  
May cause damage to liver through prolonged or repeated exposure.  
Flammable liquid and vapor.**Precautionary Statements:**Do not handle until all safety precautions have been read and understood.  
Use explosion-proof electrical/ventilating/lighting/equipment.  
Use only non-sparking tools. Take precautionary measures against static discharge  
Wear protective gloves/protective clothing/eye protection/face protection.  
Wash hands thoroughly after handling.  
Do not breathe dust/fume/gas/mist/vapors/spray.  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.  
If skin irritation occurs: Get medical attention.  
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 attention.  
If exposed or concerned: Get medical attention.  
In case of fire: Use alcohol foam, CO2, dry chemical, water fog, or vaporizing liquid to extinguish.  
Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
Keep container tightly closed.  
Store locked up, in a well-ventilated place. Keep cool.  
Dispose of contents in accordance with local regulations.**3. Composition/Information on Ingredients**

Ingredient	CAS Number	Percent by Weight
Isopropyl Alcohol	67-63-0	10 - 30
Propylene Glycol Monomethyl Ether	107-98-2	3 - 7
Water	7732-18-5	60 - 100

**4. First-Aid Measures:****Ingestion:** If Swallowed: Call a physician immediately.  
**Eye Contact:** Flush eyes with running water for at least 15 minutes. If irritation persists, obtain medical attention.  
**Skin Contact:** Flush thoroughly with cool water. Remove and wash contaminated clothing before reuse.  
**Inhalation:** Move to fresh air.**5. Fire Fighting Measures:****Suitable Extinguishing Media:** Alcohol Foam - CO2 - Dry Chemical - Water Fog - Vaporizing Liquid  
**Special Fire Fighting Procedures:** Water hose stream may spread fire, Use water spray to keep containers cool  
**Unusual Fire and Explosion Hazards:** Vapors are heavier than air and may travel over distances to ignition sources (heat, flames, sparks, pilot lights etc.) where ignition may occur ground all equipment

**6. Accidental Release Measures:**

Extinguish all sources of possible ignition (flames, sparks, pilot lights, etc.) and provide ventilation. For large spills, dike and contain spill with inert material (sand, earth, etc.). Collect spill with absorbent material (example; floor-dry). For small spills, wipe up spill with mop or rag. Dispose of or treat mop or rag properly to avoid fire.

**7. Handling and Storage:**

**Handling:** Keep out of reach of children

**Storage:** Do not store near heat sparks or flame.

**8. Exposure Controls / Personal Protection:****Exposure Limits:****Ingredients**

Isopropyl Alcohol

Propylene Glycol Monomethyl Ether

**CAS Number**

67-63-0

**Osha PEL**

400 ppm

**ACGIH TLV**

400 ppm

**Exposure Controls:**

**Engineering Controls:** Ventilate to maintain vapor levels below exposure limits.

**Personal Protective Equipment:**

**Eye Protection:** Approved Safety Goggles or Glasses

**Skin Protection:** Chemical Resistant Rubber Gloves

**Respiratory Protection:** Not required, Avoid breathing spray mist

**9. Physical and Chemical Properties:**

**Physical State:** Liquid

**Appearance:** Blue

**Odor:** Alcohol

**Solubility:** Complete

**Evaporation Rate:** NA

**Vapor Pressure (MM HG):** NA

**Vapor Density (Air = 1):** > 1

**pH:** 10 - 11

**Specific Gravity (H<sub>2</sub>O = 1):** 0.971

**Flammability:** Flammable

**Flash Point:** 80°F (27°C)

**Boiling Point:** 131 - 212°F (55 - 100°C)

**%volatile:** > 95%

**10. Stability and Reactivity:**

**Chemical Stability:** Stable

**Possibility of Hazardous Reactions:** None are known

**Incompatibility (Materials to Avoid):** Oxidizing Material, Anhydride, Isocyanate Monomer and Organometallic

**Hazardous Decomposition or By-products:** None

**Hazardous Polymerization:** Will not Occur

**Conditions to Avoid:** None are known

**11. Toxicological Information:**

**Signs and Symptoms of Overexposure:** May cause headaches or narcotic effects. Causes irritation to the skin and eyes.

**Acute Effects:**

**Eye Contact:** Causes irritation on contact

**Skin Contact:** Causes irritation on prolonged or repeated contact

**Inhalation:** May be harmful

**Ingestion:** May be harmful if swallowed

**Target Organ Effects:** Central nervous system, Respiratory tract, Kidneys, Ears, Liver

**Chronic Effects:** May cause damage to central nervous system, respiratory tract, kidneys, and/or ears. May cause damage to liver through prolonged or repeated exposure.

**Acute Toxicity Values:**

**Oral LD<sub>50</sub>** = > 5000 mg/kg

**Dermal LD<sub>50</sub>** = > 5000 mg/kg

**Inhalation (Vapor) LC<sub>50</sub>** = > 50 mg/l

**12. Ecological Information:**

**Persistence and Degradability:** Not Available

**Bio Accumulative Potential:** Not Available

**Mobility in Soil:** Not Available

**Aquatic Toxicity:** Not Available

**13. Disposal Considerations:**

Material that cannot be used during normal use should be disposed of in accordance with all applicable local, state and federal regulations. Waste from normal cleaning procedures may be disposed of in a sanitary sewer depending on the materials and/or contaminants being cleaned as well as local, state and federal sewer regulations.

**14. Transportation Information:**

**UN Number:** UN1993  
**Shipping Name:** Flammable liquid N.O.S. (Isopropanol)  
**Transport Hazard Class:** 3  
**Packing Group:** III  
**Marine Pollutant:** NO

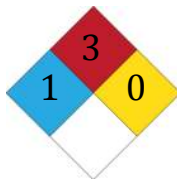
**15. Regulatory Information:**

**TSCA Status:** All ingredients listed  
**Clean Water Act:** None of the chemicals in this product are listed under the CWA  
**Clean Air Act:** None of the chemicals in this product are listed under the CAA  
**CERCLA Reportable Quantity:** None  
**SARA Title III Information:**  
**Section 302 Extremely Hazardous Chemicals:** None Listed  
**Section 311 / 312 Hazard Category:** Immediate Health, Fire  
**Section 313 Toxic Chemicals:** Isopropyl Alcohol (67-63-0)  
**State Regulations:** None  
**International Regulations:** WHMIS Controlled Product Hazard Class: B2, D2B

**16. Other Information:**

**Prepared By:** Ron Camp  
**Telephone Number:** 651-481-1900  
**Revision Date:** 6/7/2013  
**Supersedes:** 4/1/2012

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<b>Health</b>	1
<b>Flammability</b>	3
<b>Physical hazards</b>	0