

# Material Safety Data Sheet

## Dow Brands Home Care Div -- Glass Plus

**NSN:** 793000N011657  
**Manufacturer's CAGE:** DOWBR  
**Part No. Indicator:** A  
**Part Number/Trade Name:** Glass Plus

### General Information

**Company's Name:** Dow Brands, Inc, Home Care Div  
**Company's P. O. Box:** 368  
**Company's City:** Greenville  
**Company's State:** SC  
**Company's Country:** USA  
**Company's Zip Code:** 29602-0368  
**Company's Emerg Ph #:** 803-963-4261  
**Company's Info Ph #:** 803-963-4261  
**Record No. For Safety Entry:** 001  
**Tot Safety Entries This Stk#:** 001  
**Status:** SE  
**Date MSDS Prepared:** 01 May 90  
**Safety Data Review Date:** 15 Jun 90  
**Supply Item Manager:** CX  
**MSDS Preparer's Name:** Research Service Group  
**Preparer's Company:** Same  
**MSDS Serial Number:** BJFKP

### Ingredients/Identity Information

**Proprietary:** No  
**Ingredient:** Isopropyl alcohol (SARA III)  
**Ingredient Sequence Number:** 01  
**Percent:** <5  
**NIOSH (RTECS) Number:** NT8050000  
**CAS Number:** 67-63-0  
**OSHA PEL:** 400 PPM/500 STEL  
**ACGIH TLV:** 400 PPM/500STEL;9192  
**Other Recommended Limit:** N/K (FP N/ORNL)

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**Proprietary:** No  
**Ingredient:** 2-butoxyethanol  
**Ingredient Sequence Number:** 02  
**Percent:** <10  
**NIOSH (RTECS) Number:** KJ8575000  
**CAS Number:** 111-76-2  
**OSHA PEL:** S, 50 PPM  
**ACGIH TLV:** S, 25 PPM; 9293

**Other Recommended Limit:** N/K (FP N/ORNL)

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**Proprietary:** No

**Ingredient:** Ammonia (SARA III)

**Ingredient Sequence Number:** 03

**Percent:** <0.1

**NIOSH (RTECS) Number:** BO0875000

**CAS Number:** 7664-41-7

**OSHA PEL:** 50 PPM

**ACGIH TLV:** 25 PPM/35 STEL; 9293

**Other Recommended Limit:** N/K (FP N/ORNL)

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**Proprietary:** No

**Ingredient:** Surfactant. Total percent of ingredients 4,5,6 and 7 is >85.

**Ingredient Sequence Number:** 04

**NIOSH (RTECS) Number:** 1001310SA

**OSHA PEL:** N/K (FP N/ORNL)

**ACGIH TLV:** N/K (FP N/ORNL)

**Other Recommended Limit:** N/K (FP N/ORNL)

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**Proprietary:** No

**Ingredient:** Perfume. Total percent of ingredients 4,5,6 and 7 is >85.

**Ingredient Sequence Number:** 05

**NIOSH (RTECS) Number:** 1000511PU

**OSHA PEL:** N/K (FP N/ORNL)

**ACGIH TLV:** N/K (FP N/ORNL)

**Other Recommended Limit:** N/K (FP N/ORNL)

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**Proprietary:** No

**Ingredient:** Dye. Total percent of ingredients 4,5,6 and 7 is >85.

**Ingredient Sequence Number:** 06

**NIOSH (RTECS) Number:** 1000093DY

**OSHA PEL:** N/K (FP N/ORNL)

**ACGIH TLV:** N/K (FP N/ORNL)

**Other Recommended Limit:** N/K (FP N/ORNL)

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**Proprietary:** No

**Ingredient:** Water. Total percent of ingredients 4,5,6 and 7 is >85.

**Ingredient Sequence Number:** 07

**NIOSH (RTECS) Number:** ZC0110000

**CAS Number:** 7732-18-5

**OSHA PEL:** N/K (FP N/ORNL)

**ACGIH TLV:** N/K (FP N/ORNL)

**Other Recommended Limit:** N/K (FP N/ORNL)

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## Physical/Chemical Characteristics

**Appearance And Odor:** Crystal clear, blue liquid with perfume odor.

**Boiling Point:** See Supp

**Melting Point:** N/K (FP N)

**Vapor Pressure (MM Hg/70 F):** See Supp

**Specific Gravity:** 0.992 (water=1)

**Decomposition Temperature:** N/K (FP N)  
**Evaporation Rate And Ref:** About 1 (water=1)  
**Solubility In Water:** Complete  
**Percent Volatiles By Volume:** Neglig  
**pH:** 9.2

### Fire and Explosion Hazard Data

**Flash Point:** 143F,62C  
**Flash Point Method:** SCC  
**Lower Explosive Limit:** See Supp  
**Upper Explosive Limit:** See Supp  
**Extinguishing Media:** N/A  
**Special Fire Fighting Proc:** N/A  
**Unusual Fire And Expl Hazrds:** N/A

### Reactivity Data

**Stability:** Yes  
**Cond To Avoid (Stability):** None known  
**Materials To Avoid:** None  
**Hazardous Decomp Products:** None known  
**Hazardous Poly Occur:** No

### Health Hazard Data

**LD50-LC50 Mixture:** LD50 rat acute peroral (see supp data)  
**Route Of Entry - Inhalation:** No  
**Route Of Entry - Skin:** No  
**Route Of Entry - Ingestion:** No  
**Health Haz Acute And Chronic:** NIOSH studies indicate 2-butoxyethanol has caused reproductive disorders in laboratory animals (rats or mice) and may have the potential for causing similar disorders in humans (FP N).  
**Carcinogenicity - NTP:** No  
**Carcinogenicity - IARC:** No  
**Carcinogenicity - OSHA:** No  
**Explanation Carcinogenicity:** None  
**Signs/Symptoms Of Overexp:** Eyes/skin/ingestion/inhalation: None expected.  
**Med Cond Aggravated By Exp:** N/K (FP N/ORNL)  
**Emergency/First Aid Proc:** Eyes: flush with large amounts of water for at least 15 minutes (FP N). skin: N/K (FP N/ORNL). Ingestion: call MD immediately (FP N). Inhalation: if discomfort from prolonged inhalation develops, remove patient to fresh air and seek medical attention.

### Precautions for Safe Handling and Use

**Steps If Matl Released/Spill:** Wipe up and/or rinse away with water.  
**Neutralizing Agent:** N/K (FP N/ORNL)  
**Waste Disposal Method:** Disposal must be in accordance with Federal, state and local regulations (FP N).

**Precautions-Handling/Storing:** None required  
**Other Precautions:** Do not spray directly into electrical outlets.

### Control Measures

**Respiratory Protection:** None required  
**Ventilation:** Normal  
**Protective Gloves:** None required  
**Eye Protection:** None required. Use safety glasses  
**Other Protective Equipment:** None  
**Work Hygienic Practices:** N/K (FP N/ORNL)  
**Suppl. Safety & Health Data:** Boiling Point: About 212F, 100C. Vapor Pressure: About 17.5 mm Hg. UEL: 12% of the alcohol component. LEL: 2% of the alcohol component. LD50-LC50 Mix: >30 ml/kg; LD50 Rabbit Acute Dermal >2 ml/kg. Routes of Entry: Inhalation/skin/ingestion (FP N).

### Transportation Data

**Trans Data Review Date:** 90222  
**DOT PSN Code:** ZZZ  
**DOT Proper Shipping Name:** Not regulated by this mode of transportation  
**IMO PSN Code:** ZZZ  
**IMO Proper Shipping Name:** Not regulated by this mode of transportation  
**IATA PSN Code:** ZZZ  
**IATA Proper Shipping Name:** Not regulated by this mode of transportation  
**AFI PSN Code:** ZZZ  
**AFI Prop. Shipping Name:** Not regulated by this mode of transportation  
**Additional Trans Data:** Not regulated for transportation

### Disposal Data

### Label Data

**Label Required:** P  
**Technical Review Date:** 15 Jun 90  
**Label Status:** N  
**Common Name:** Glass and Other Hard Surface Cleaner  
**Signal Word:** Warning!  
**Acute Health Hazard-Moderate:** X  
**Contact Hazard-Slight:** X  
**Fire Hazard-Moderate:** X  
**Reactivity Hazard-None:** X  
**Special Hazard Precautions:** Warning! Flammable Liquid Acute: None expected. Chronic: NIOSH studies indicate 2-butoxyethanol has caused reproductive disorders in laboratory animals (rats or mice) and may have the potential for causing similar disorders in humans (FP N). Protect Eye: Y  
**Label Name:** Dow Brands, Inc, Home Care Div  
**Label P. O. Box:** 368  
**Label City:** Greenville

**Label State:** SC

**Label Zip Code:** 29602-0368

**Label Country:** USA

**Label Emerg Ph #:** 803-963-4261