

PRODUCT CODE: 3003H (Q,G,P,D)
 PRODUCT NAME: GLASS CLEANER CONCENTRATE

MATERIAL SAFETY DATA SHEET

DATE PREPARED: 03/01/91

SECTION I: MANUFACTURER

ARMOUR GUARD PRODUCTS, INC
 4074 NE 7TH AVENUE
 FT LAUDERDALE, FLORIDA 33334-3028

EMERGENCY TELEPHONE NUMBER
 305-564-9001
TELEPHONE # FOR INFORMATION
 305-564-9001

SECTION II: HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

<u>HAZARDOUS COMPONENTS</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>OTHER</u>	<u>8*</u>
Isopropanol Alcohol	400 ppm	400 ppm		
Ammonia	35 ppm	35 ppm		
2-Butoxyethanol	25 ppm	25 ppm		

*This is a compound product and any hazardous components only represent a percentage of the total mixture

SECTION III: PHYSICAL DATA

APPROX BOILING POINT: 175°F VAPOR DENSITY: <AIR: EVAPORATION RATE: S/A water WOLATILE:
 (AIR = 1) (N-BUTYL ACETATE = 1)
WOLUBILITY IN WATER: Completely VAPOR PRESSURE: 37 SPECIFIC GRAVITY: 8.5#/gal MELTING POINT: N/A
 (mm.Hg)
APPEARANCE AND ODOR: Dark pink liquid, strong Ammonia-Alcohol odor.

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 54°F FLAMMABLE LIMITS: N/A LEL: 2.0 UEL: 12.0

EXTINGUISHING MEDIA: Use dry chemical, foam or carbon dioxide. Water may be ineffective; however, use water to keep involved containers cool.

UNUSUAL FIRE & EXPLOSION HAZARDS: Water may be ineffective; however, use water to keep involved containers cool. Water spray may be used to disperse vapors. OSHA/NFPA CLASSIFICATION: II. Treat as an alcohol fire.

SPECIAL FIRE FIGHTING PROCEDURES: Use appropriate NIOSH/MSHA approved respirator. Protect eyes & skin. Vapors are heavier than air and may travel to remote ignition sources.

SECTION V: REACTIVITY DATA

STABLE: YES x NO INCOMPATIBLE MATERIALS: Do not mix with anything except water.

HAZARDOUS DECOMPOSITION PRODUCTS: None known.

HAZARDOUS POLYMERIZATION: WILL WILL NOT x OCCUR

POLYMERIZATION CONDITIONS TO AVOID: None known.

SECTION VI: HEALTH HAZARD DATAROUTES OF ENTRY:

EYES: Flush with running water for 15 minutes. Get Medical Aid.
SKIN: Wash with soap & water. Remove & discard contaminated clothes & shoes.
INHALATION: Remove patient to fresh air. Use oxygen if indicated.
INGESTION: DO NOT induce vomiting without medical advice. GET MEDICAL AID AT ONCE.
 If vomiting occurs, place patient's head below knees to prevent aspiration.

SIGNS AND SYMPTOMS OF EXPOSURE:

EYE CONTACT: Liquid & high concentrations of vapor will cause eye irritation.

SKIN CONTACT: Prolonged contact may cause drying due to natural oil removal.

INHALATION (BREATHING): May cause nausea, dizziness, depression and anesthetic effect above TLV.

INGESTION (SWALLOWING): Nausea, vomiting. Aspiration of liquid may cause pneumonitis.

HEALTH HAZARDS (ACUTE AND CHRONIC): Liver, Kidney, Blood & CNS Diseases may be aggravated.

CARCINOGENICITY: No

HTP: No

IARC MONOGRAPHS: No

OSHA REGULATED: No

continue...Glass Cleaner Concentrate #30030

SECTION VII: PRECAUTIONS FOR SAFE HANDLING

IN CASE OF SPILL OR RELEASE: WARNING: FLAMMABLE. Eliminate ALL ignition sources. VENTILATE AREA. For large spills: Evacuate area. Wear appropriate respiratory & protective equipment. Remove leaking containers to open air. Absorb with clay absorbent & remove outside for safe evaporation. Use only non-sparking tools. VAPOR IS HEAVIER THAN AIR & CAN TRAVEL TO REMOTE IGNITION SOURCES.

WASTE DISPOSABLE METHOD: COMPLY WITH ALL LOCAL, STATE & FEDERAL REGULATIONS. All surfactant components are biodegradable. The solvent is classed "oil". Toxic to aquatic life. DO NOT discharge into streams, ponds or waterways. EPA/HW classified as hazardous waste (Ignitability) 40CFR 261.1 Incineration or evaporation are the usual disposal methods, with EPA approval. DOT emergency response guidebook DOT 5800.3 #27. EPA regulation 40 CFR 302 reportable quantity (RQ) not listed.

STORAGE AND SPECIAL PRECAUTIONS: Store in a clean, cool, ventilated area, away from all sources of ignition. Refer to NFPA 30 & OSHA 29cfr 1910.106; "Storage & handling flamm. liquids. Clean up spills at once. Use only electrically grounded handling equipment. Keep container tightly closed when not in use. Protect containers from damage. Always wear protective equipment. Wash thoroughly after handling. KEEP AWAY FROM CHILDREN. FOR COMMERCIAL & PROFESSIONAL USE ONLY. NOT FOR HOUSEHOLD USE.

SECTION VIII: CONTROL MEASURESVENTILATION:

Provide general ventilation or explosion proof exhaust (60 FPM)

RESPIRATORY PROTECTION: Use self-contained breathing equipment when TLV is exceeded

PROTECTIVE GLOVES: Recommended

EYE PROTECTION:

Use splash goggles or face shield when eye contact may occur.

OTHER PROTECTIVE

EQUIPMENT: Apron recommended

PRECAUTIONARY WARNING

Workers should not be permitted to handle this product without proper training and using protective equipment. Training before exposure is mandated by 29CFR (OSHA) & State RTK. Avoid prolonged contact with skin, particularly under jewelry (watches & rings) & from contaminated clothing (cuffs & shoes). Containers of this product may be hazardous when "emptied" due to residue & vapors, therefore, all hazard precautions in this data sheet must be observed. Never use a cutting torch on and "emptied" container. Never use air pressure to discharge container contents. Mechanical spraying of this product may increase the hazard potential. Read label directions carefully. Always handle so as to avoid spilling. Clothes & absorbent used to apply or pick up this product retain the same hazards of fire & health as the liquid product. Take care with storage & disposal. Post spill contingency plans in use & storage areas.

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