## SAFETY DATA SHEET

#### SECTION I IDENTIFICATION

**GLASS CLEANER** PRODUCT NAME: Pg. 1/5 PRODUCT CODE: Fluid 5722 P/N: SP5722AI-SP5719AI-SP5723AI Version 8 4/27/2015 CHEMICAL FAMILY: ALCOHOL BASED CLEANER Meets GHS requirements SUPPLIER: CUL-MAC INDUSTRIES, INC. MANUFACTURED FOR: AIOD ADDRESS: 3720 S. VENOY ADDRESS: PO BOX 1861 WAYNE, MI 48184 MONTROSE, CO 81402 PHONE: (734) 728-9700 PHONE: (800) 313-2463 **EMERGENCY PHONE:** (866) 214-4235 (3E COMPANY) SECTION II HAZARD IDENTIFICATION **DANGER: ROUTES OF ENTRY:** Skin, Eyes, Ingestion, Inhalation HAZARD H226: Flammable Liquid and Vapour **STATEMENTS:** H303: May be Harmful if Swallowed H313: May be Harmful in Contact with Skin H319: Causes Serious Eye Irritation May be Harmful if Inhaled H333: H402: Harmful to Aquatic Life PRECAUTIONARY **P210:** Keep Away From Heat/Sparks/Open Flames/Hot Surfaces - NO Smoking STATEMENTS: P233: Keep Container Tightly Closed P240: Ground/Bond Container and Receiving Equipment P241: Use Explosion-Proof Electrical/Venting/Lighting/.../Equipment. P242: Use Only Non-Sparking Tools P243: Take Precautionary Measures Against Static Discharge Wash Thoroughly After Handling **P264**: P273: Avoid Release to the Environment **P280:** Wear Protective Gloves/Eye Protection/Face Protection P303+P361+P353: RESPONSE IF ON SKIN (or hair): Remove/Take off immediately all contaminated **STATEMENTS:** clothing. Rinse skin with water/shower. In case of fire: Use Dry Chemical, Alcohol Faom, or Carbon Dioxide P370+P378: for extinction. **P312:** Call a POISON CENTER or Doctor if you Feel Unwell P305+P351+P338: IF IN EYES: Rinse Cautiously with Water for Several Minutes. Remove Contact Lenses, if Present and Easy to do so. Continue Rinsing. P337+P313: If Eye Irritation Persists: Get Medical Advice P310: Immediately Call a POISON CENTER or Doctor P304+P340: IF INHALED: Remove Victim to Fresh Air and Keep at Rest in a Position Comfortable for Breathing

PRODUCT CODE: Fluid 5722 P/N: SP5722AI-SP5719AI-SP5723AI Version 8 CHEMICAL FAMILY: ALCOHOL BASED CLEANER 4/27/2015 Meets GHS requirements SECTION II HAZARD IDENTIFICATION CONTINUED STORAGE P403+P235: Store in a well-ventilated Place. Keep Cool. STATEMENTS: P501: DISPOSAL Dispose of contents/container in accordance with all applicable federal, STATEMENTS: state, and local regulations. **CARCINOGENICITY:** None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA, or ACGIH. SECTION III COMPOSITION / INFORMATION ON INGREDIENTS **CHEMICAL:** ACGIH TLV % by wt. CAS # OSHA PEL Isopropyl Alcohol 20 - 25 67-63-0 400 ppm 400 ppm 2-Butoxyethanol 10 - 15 111-76-2 25 ppm 20 ppm SECTION IV FIRST AID MEASURES **SKIN CONTACT:** Remove contaminated clothing; wash under shower with soap and water for 15 minutes. Seek medical attention if irritation occurs **EYE CONTACT:** Flush immediately with gently running water for a minimum of 15 minutes **INHALATION:** Seek medical attention immediately. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible do not leave individual unattended **INGESTION:** Remove to fresh air, restore or assist breathing, obtain medical attention if needed Swallowing methanol is life threatening. Symptoms of methanol poisoning may be delayed up to 24 hours. DO NOT induce vomitting or wait for symptoms to develop. Seek medical attention immediately. SECTION V FIRE FIGHTING MEASURES FLASH POINT: N/AV **EXTINGUISHING MEDIA:** Dry Chemical; Alcohol Foam; Carbon Dioxide SPECIAL PROCEDURES: Stay Upwind. Water spray may be ineffective on fire but can protect fire-fighters and cool closed containers. If water is used, use fog nozzles. Do not enter confined spaces without full bunker gear. Use NIOSH approved positive-pressure self-contained breathing apparatus. Do not walk through any spilled chemicals.

**GLASS CLEANER** 

**UNUSUAL HAZARDS:** 

PRODUCT NAME:

N/AV

Pg. 2/5

|  | PRODUCT NAME:                  | GLASS CLEANER  |  | Pg. 3/5                |  |
|--|--------------------------------|--|--|------------------------|--|
| Medic di l'equireme         SPILL OR LEAK PROCEDURES:       Eliminate all ignition sources. Collect hiquid with explosion proof purps. Dilue with water for small spills, collect with a non-combustible solvent. Avoid release into the environment. Prevent from entering into suit, severs, waterways aud groundwater.         SECTION VII ILANDLING & STORAGE         HANDLING:       Keep away from oxidizers, bat, squats, open flames and electrical equipment. Use only with adequate ventilation and avoid breathing vapors. Do not get on skin or in yes. Wear the appropriate personal protection equipment when using. Enpry containers should be treated as full since residue will remain and is equally hazardous.         STORAGE:       Store in a well-ventilated area away from heat, sparks, open flames and storog oxidizers. Do not store above 120°F and keep containers tightly sealed and stored upright to prevent leaks.         SECTION VIII EXPOSURE CONTROLS - PERSONAL PROTECTION         War Met Exposure Control se above 120°F and keep containers tightly sealed and stored upright to prevent leaks.         SECTION VIII EXPOSURE CONTROLS - PERSONAL PROTECTION         Marce Exposure         Control se above 120°F and keep containers tightly sealed and stored upright to prevent leaks.         SECTION VIII EXPOSURE CONTROLS - PERSONAL PROTECTION         Guita di utilize gloves.         Section NULLING & STORAGE:         Section NULLING & Marcel Stabove 120°F <th< th=""><th colspan="2"></th><th>-SP5723AI</th><th>Version 8</th></th<>   |                                |  | -SP5723AI  | Version 8              |  |
| SECTION VI ACCIDENTAL RELEASE MEASURES         SPILL OR LEAK PROCEDURES:         Filminate all ignition sources. Collect liquid with explosion proof pumps. Dilute with water for small spills, collect with a non-combastible solvent. Avoid release into the environment. Prevent from entering into soil, sewers, waterways and groundwater.         SECTION VII HANDLING & STORAGE         HANDLING:         SECTION VII HANDLING & STORAGE         BIANDLING:         SECTION VII HANDLING & STORAGE         BANDLING:         SECTION VII HANDLING & STORAGE         BIANDLING:         SECTION VII HANDLING & STORAGE         STORAGE:         Store in a well-ventilated area away from heat, sparks, open flames and strong oxidizers. Do not store above 1207 F and keep containers tightly scaled and stored upright to prevent leaks.         STORAGE:         VENTILATION:         Local exhaust.         RESPIRATORY PROTECTION:         Not generally needed         GLOVES:         Butyl and nitrile gloves.         EVE PROTECTION:         Chemical splash goggles when transferring is taking place         CLOTINING AND FOOTWEAR   | CHEMICAL FAMILY:               | LCOHOL BASED CLEANER   |  | 4/27/2015              |  |
| SPILL OR LEAK PROCEDURES:       Eliminate all ignition sources. Collect liquid with explosion proof pumps. Dilute with water for small spills, collect with a non-combustible solvent. Avoid release into the environment. Prevent from entering into soil, sewers, waterways and groundwater.         SECTION VIII LANDLING & STORAGE         HANDLING:       SECTION VIII ANDLING & STORAGE         Very Sevent from exidizers, heat, sparks, open flames and electrical equipment. Use only with adequate ventilation and avoid breathing vapors. Do not get on skin or in eyes. Wear the appropriate personal protection equipment when using. Empty containers should be treated as full since residue will remain and is equally hazardous.         STORAGE:       Store in a well-ventilated area away from heat, sparks, open flames and strong oxidizers. Do not store above 120°F and keep containers tightly sealed and stored upright to prevent leaks.         SECTION VIII EXPOSURE CONTROLS - PERSONAL PROTECTION       EMENTION:         LEXENTRON       Lexeal exhaust.         RESPIRATORY PROTECTION:       Local exhaust.         RESPIRATORY PROTECTION:       Chemical splash goggles when transferring is taking place         CLOTHING AND FOOTWEAR       Not generally needed         SOLUNG POINT:       -212°F         PETEICN IN PHYSICAL/CHEMICAL CHARACTERISTICS       1         BOILING POINT:       -212°F       PIE         VAPOR PRESSURE:       NAV       PPEARANCE:       blue solubal sol   | G                              |  |  | Meets GHS requirements |  |
| with water for small yeills, collect with a non-combasible solvent. Avoid release ind<br>the environment. Prevent from entering into soil, swers, waterways and groundwate.SECTION UTANDLINGSee away from oddizers, base, sparks, open flames and electrical equipment. Use<br>only with adequate ventilation and avoid breakling wapors. Do not get on skin or in<br>eyes. Wear the appropriate personal protection equipment when using. Empty<br>ouniairer stoldub te reated a full since residue will remain and is equally hazardous<br>outiaters should be treated as full since residue will remain and is equally hazardous<br>outiaters should be treated as full since residue will remain and is equally hazardous<br>outiaters should be treated as full since residue will remain and is equally hazardous<br>outiaters should be treated as full since residue will remain and is equally hazardous<br>outiaters should be treated as full since residue will remain and is equally hazardous<br>outiaters should be treated as full since residue will remain and is equally hazardous<br>outiaters should be treated as full since residue will remain and is equally hazardous<br>outiaters should be treated as full since residue will remain and is equally hazardous<br>outiaters should be treated as full since residue will remain and is equally hazardous<br>outiaters.EXERCENT LEXPONENTIONExercent LEXPONENTION<br>Exercent KaterLocal exhaustEXERCENT PROTECTION:Local exhaustNot generally neededEXERCENT NET NET NET NET NET NET NET NET NET  |                                |  |  | of numps Dilute        |  |
| the environment. Prevent from entering into soil, sewers, waterways and groundwater.          SECTION VI HANDLING & STORAGE         HANDLING:       Keep away from oxidizers, heat, sparks, open flames and electrical equipment. Use only with adequate ventilation and avoid breathing wapers. Do not skin or in eyes. Wear the appropriate personal procedulo equipment when using. Empry containers should be treated as full since residue will remain and is equally hazardous.         STORAGE:       Store in a well-ventilated area away from heat, sparks, open flames and strong oxidozers. Do not store above 120° F and keep containers sibuly sealed and stored upright to prevent leaks.         SECTION VIT EXPOSURE CONTROLS - FERSONAL PROTECTION         WWW       Store above 120° F and keep containers its prevent leaks.         SECTION VIT EXPOSURE CONTROLS - FERSONAL PROTECTION         WWW       Store above 120° F and keep containers its prevent leaks.         SECTION VIT EXPOSURE CONTROLS - FERSONAL PROTECTION         WENTELXTON:       Local exhaust.         RESPIRATORY PROTECTION:       Not generally needed         GLOVES:       Buryl and nitride gloves.         EYE PROTECTION:       -212° F         SECTION EX PHYSICAL/CHEMICAL CHARACCERISTICS       1         NAV       PRECENT VOLATILE:       9         VAPOR PRESSURE:       NAV       PRECENT VOLATILE:       9         VAPOR PRESSURE:       NAV       APPEARANCE:       blue         SOLUBILITY IN W  | SI ILL OK LEAK I KOCEDOKES.    |  |  |                        |  |
| SECTION VII HANDLING & STORAGE         ITANDLING:       Keep away from oxidizers, heat, sparks, open flames and electrical equipment. Use only with adequate ventilation and avoid breathing vapors. Do not get on skin or in eyes. Wear the appropriate personal protection equipment when using. Empty vocunianers should be treated as full since residue will emenian and is equally hazardous.         STORAGE:       Store in a well-ventilated area away from heat, sparks, open flames and strong oxidizers. Do not stor above 120 F and keep containers tightly sealed and stored upright to prevent leaks.         SECTION VIII EXPOSURE CONTROLS - PERSONAL PROTECTION       Stored upright to prevent leaks.         VENTILATION:       Local exhaust.         RESPIRATORY PROTECTION:       Not generally needed         GLOVES:       Butyl and nitrile gloves.         EYE PROTECTION:       Chemical splash goggles when transferring is taking place         CLOTHING AND FOOTWEAR       Not generally needed         PIENEZING POINT:       -212° F         SPECIFIC GRAVITY:       1         VAPOR PRESSURE:       NAV         PIENCENT VOLATILE:       99         VAPOR PRESSURE:       NAV         SOLUBILITY IN WATER:       COMPLETE:         OUTUTI, ACTATE 1:       Stable         EXAMONATIE:       Stable         MAX       PERCENT VOLATILE:         Stable       HAZARDOUS POLYMERIZATION:  |                                |  |  |                        |  |
| HANDLING:       Keep away from oxidizers, heat, sparks, open flames and electrical equipment. Use only with adequate ventilation and avoid breathing vapors. Do not get on skin or in eyes. Were the appropriate personal protection equipment when using. Empty containers should be treated as full since residue will remain and is equally hazardous.         STORAGE:       Store in a well-ventilated area away from heat, sparks, open flames and strong oxidizers. Do not store above 120'F and keep containers tightly sealed and stored upright to prevent leaks.         SECTION VIII EXPOSURE CONTROLS - PERSONAL PROTECTION         VENTILATION:       Local exhaust.         RESPIRATORY PROTECTION:       Not generally needed         GLOVES:       Butyl and nitrile gloves.         EYE PROTECTION:       Chemical splash goggles when transferring is taking place         CLOTHING AND FOOTWEAR       Not generally needed         SOURD FIT:       -212'F         PREEZING POINT:       -212'F         SECTION IX PHYSICAL/CHEMICAL CHARACTERISTICS         BOILING POINT:       -212'F         VAPOR PRESSURE:       N/AV         PERCENTY OLATILE:       99         VAPOR PRESSURE:       N/AV         PERCENT VOLATILE:       90         VAPOR PRESSURE:       N/AV         PERCENT VOLATILE:       90         VAPOR PRESSURE:       N/AV         RECTION X STABILITY AND REACTIVITY DATA  |                                |  |  |                        |  |
| only with dequate ventilation and avoid breathing vapors. Do not get on skin or in eyes. Wear the appropriate personal protection equipment when using. Empty containers should be treated as full since residue will remain and is equally hazardous.         STORAGE:       Sorie in a well-ventilated area away from heat, sperks, open flames and strong sorie durpright to prevent leaks.         SECTION ULE DOSURE CONTROL > DESONAL PROTECTION       Section varies and strong heat.         VENTILATION:       Local exhaust.         RESPIRATORY PROTECTION:       Not generally needed         GLOVES:       Butyl and nitrile gloves.         FETEROTECTION:       Chemical splash goggles when transferring is taking place         CLOTHING AND FOOTWEAR       Not generally needed         SECTION VERSECAL/CHEMICAL CHARACTERISTICS       110-1120.         REFERENCE QONTE:       -212° F       Pfi:       110-120.         VAPOR DENSITY (AIR = 1):       NAV       PERCENT VOLATILE:       1000.         SOLUPOR PRESSURE:       NAV       PERCENT VOLATILE:       1000.         SOLUPOR TITY IN WATER:       COMPLET:       ODOR:       alcohol         SUPORTATION   |                                |  |  |                        |  |
| eys. War he appropriate personal protection equipment when using. Empty<br>containers should be treated a full since residue will remain and is equally hazardow.<br>STORAGE: Store in a well-ventilated area away from heat, sparks, open flames and strong<br>oxidizers. Do not a love 120°F and keep containers tightly scaled and<br>sored urgight to prevent leaks.<br>SECTION ULE EXPOSENCE CONTROLES PERSONAL PROTECTION<br>SECTION ULE EXPOSENCE CONTROLES PERSONAL PROTECTION<br>SECTION ULE PROSENCE CONTROLES PERSONAL PROTECTION<br>SECTION ULE PROSENCE CONTROLES PERSONAL PROTECTION<br>SECTION UNIT IN MATERINE Control Net and nitrile gloves.<br>SECTION TEXPENSION CONTROLES Buryl and nitrile gloves.<br>SECTION TEXPENSION CONTROLES Description<br>SECTION TEXPENSION CONTROLES<br>SECTION TEXPENSION CONTROLES<br>SOLUBILITY IN WATER: COMPLETE<br>SIGNE<br>SIGNENTY (AIR = 1):<br>NAV<br>SECTION TEXPENSION CONTROLES<br>SIGNENTY (AIR = 1):<br>SIGNENTY (AIR = 1):     | HANDLING:                      |  |  |                        |  |
| cotainers should be treated as full since residue will remain and is equally hazardous.<br>STORAGE: Store in a well-ventilated are as way from heat, sparks, open flames and strong survey used and survey loss fand keep containers tightly sealed and survey loss.<br>SECTION VIE EXPOSURE CONTROLS - PERSONAL PROTECTION<br>EXETINATION: Exposure controls - DESCONAL PROTECTION<br>EXEMPTILATION: Local exhaust.<br>RESPIRATORY PROTECTION: Store above 120 ° And we and |                                |  |  | -                      |  |
| STORACE:       Store in a well-ventilate area away from heat, sparks, open flames and store avoid upright to prevent leaks.         SECTON VILE POSURE CONTROL > PESSONAL PROTECTION         Device       Device         D   |                                |  |  |                        |  |
| oxidizers. Do not store above 120°F and keep containers tightly sealed and stored upright to prevent leaks.         SECTION VIII EXPOSURE CONTROLS - PERSONAL PROTECTION         Image: Section VIII EXPOSURE CONTROLS - PERSONAL PROTECTION         Constant Section VIII Section VIIII Section VIII Section VIIII Section VIIII Section VIII Section VIIII Section VIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII  |                                | containers should be its   | eace as full since residue will remain and is        | s equally hazardous.   |  |
| In the second period basis.  SECTION VIII EXPOSURE CONTROLS - PERSONAL PROTECTION  SECTION VIII EXPOSURE CONTROLS - PERSONAL PROTECTION  VENTILATION  EXPENDIAL  SECTION PROTECTION:  CENTRIATION  SECTION PROTECTION:  CENTRICATOR PROTECTION:  SECTION SECTION SECTION  SECTION SE           | STORAGE:                       | Store in a well-ven  | tilated area away from heat, sparks, open fla        | ames and strong        |  |
| SECTION VIIL EXPOSURE CONTROLS - PERSONAL PROTECTION         WARK STATUS ST  |                                | oxidizers. Do not store above 120°F and keep containers tightly sealed and |  |                        |  |
| VENTILATION:       Local exhaust.         RESPIRATORY PROTECTION:       Not generally needed         GLOVES:       Butyl and nitrile gloves.         EYE PROTECTION:       Chemical splash goggles when transferring is taking place         CLOTHING AND FOOTWEAR       Not generally needed         BUILING POINT:       -212° F       PH:       11.0-12.0         BOILING POINT:       -212° F       PH:       11.0-12.0         REEZING POINT:       -232° F       SPECIFIC CRAVITY:       1         VAPOR PRESSURE:       N/AV       PERCENT VOLATILE:       99         VAPOR DENSITY (AIR = 1):       N/AV       APPEARANCE:       blue         SOLUBILITY IN WATER:       COMPLETE       ODOR:       alcohol         EVAPOR ATION RATE:       <1  |                                | stored upright to prevent leaks.   |  |                        |  |
| VENTILATION:       Local exhaust.         RESPIRATORY PROTECTION:       Not generally needed         GLOVES:       Butyl and nitrile gloves.         EYE PROTECTION:       Chemical splash goggles when transferring is taking place         CLOTHING AND FOOTWEAR       Not generally needed         BUILING POINT:       -212° F       PH:       11.0-12.0         BOILING POINT:       -212° F       PH:       11.0-12.0         REEZING POINT:       -232° F       SPECIFIC CRAVITY:       1         VAPOR PRESSURE:       N/AV       PERCENT VOLATILE:       99         VAPOR DENSITY (AIR = 1):       N/AV       APPEARANCE:       blue         SOLUBILITY IN WATER:       COMPLETE       ODOR:       alcohol         EVAPOR ATION RATE:       <1  | SECTION                        | VIII EXPOSURE CONTRO   | LS - PERSONAL PROTECTION                             |                        |  |
| RESPIRATORY PROTECTION:Not generally neededGLOVES:Buty land nitrile gloves.EYE PROTECTION:Chemical splask goggles when transferring is taking placeCLOTHING AND FOOTWEARNot generally neededEECTION IX FURSICAL/CHEMICAL CHARACTERISTICS11.0-12.0BOILING POINT:~212° FPH:CAPOR PRESSURE:N/AVPERCENT VOLATILE:NAVPERCENT VOLATILE:90VAPOR PRESSURE:N/AVAPPEARANCE:BOILUBILITY IN WATER:COMPLETEODOR:SOLUBILITY IN WATER:COMPLETEODOR:alcoholEVAPORATION RATE:STABILITY:StableHAZARDOUS POLYMERIZATION:StapeICOMPATIBILITY:StapeICOMPATIBILITY:StapeStapeStapeICOMPATIBILITY:StapeStapeStapeICOMPATIBILITY:StapeStapeStapeICOMPATIBILITY:StapeStapeStapeICOMPATIBILITY:StapeStapeStapeICOMPATIBILITY:StapeStapeStapeICOMPATIBILITY:StapeStapeStapeICOMPATIBILITY:StapeStapeStapeICOMPATIBILITY:StapeStapeStapeICOMPATIBILITY:StapeStapeStapeICOMPATIBILITY:StapeICOMPATIBILITY:StapeICOMPATIBILITY:StapeICOMPATIBILITY:Stape<  |                                |  |  |                        |  |
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| GLOVES:       Butyl and nitrile gloves.         EYE PROTECTION:       Chemical splash goggles when transferring is taking place         CLOTHING AND FOOTWEAR       Not generally needed         SECTION IX PHYSICAL/CHEMICAL CHARACTERISTICS       11.0 - 12.0         BOILING POINT:       ~212° F       PH:       11.0 - 12.0         FREEZING POINT:       <32° F  | VENTILATION:                   |  | Local exhaust.                                       |                        |  |
| EYE PROTECTION:       Chemical splash goggles when transferring is taking place         CLOTHING AND FOOTWEAR       Not generally needed         SECTION IX PHYSICAL/CHEMICAL CHARACTERISTICS       11.0 - 12.0         BOILING POINT:       ~212° F       PH:       11.0 - 12.0         FREEZING POINT:       <32° F       SPECIFIC GRAVITY:       1         VAPOR PRESSURE:       N/AV       PERCENT VOLATILE:       9         VAPOR DENSITY (AIR = 1):       N/AV       APPEARANCE:       blue         SOLUBILITY IN WATER:       COMPLETE       ODOR:       alcohol         EVAPORATION RATE:       <1   | <b>RESPIRATORY PROTECTION:</b> |  | Not generally needed                                 |                        |  |
| CLOTHING AND FOOTWEAR       Not generally needed         SECTION IX PHYSICAL/CHEMICAL CHARACTERISTICS         BOILING POINT:       ~212° F       pH:       11.0 - 12.0         FREEZING POINT:       <32° F  | GLOVES:                        |  | Butyl and nitrile gloves.                            |                        |  |
| SECTION IX PHYSICAL/CHEMICAL CHARACTERISTICS         BOILING POINT:       ~212° F       pH:       11.0 - 12.0         FREEZING POINT:       <32° F       SPECIFIC GRAVITY:       1         VAPOR PRESSURE:       N/AV       PERCENT VOLATILE:       99         VAPOR DENSITY (AIR = 1):       N/AV       APPEARANCE:       blue         SOLUBILITY IN WATER:       COMPLETE       ODOR:       alcohol         EVAPORATION RATE:       <1           (BUTYL ACETATE = 1)       Stability AND REACTIVITY DATA           HAZARDOUS POLYMERIZATION:       Will not occur           INCOMPATIBILITY:       Strong oxidizers, strong acids, and strong bases. Keep away from heat, sparks, open flame and static discharge  | EYE PROTECTION:                | Chemical splash goggles when transferring is taking place                  |  |                        |  |
| BOILING POINT:~212° FpH:11.0 - 12.0FREEZING POINT:< 32° FSPECIFIC GRAVITY:1VAPOR PRESSURE:N/AVPERCENT VOLATILE:99VAPOR DENSITY (AIR = 1):N/AVAPPEARANCE:blueSOLUBILITY IN WATER:COMPLETEODOR:alcoholEVAPORATION RATE:< 1(BUTYL ACETATE = 1)Stability AND REACTIVITY DATASECTION X STABILITY AND REACTIVITY DATAHAZARDOUS POLYMERIZATION:Will not occurINCOMPATIBILITY:Strong oxidizers, strong acids, and strong bases. Keep<br>away from heat, sparks, open flame and static discharge  | CLOTHING AND FOOTWEAR          |  | Not generally needed                                 |                        |  |
| FREEZING POINT:< 32° FSPECIFIC GRAVITY:1VAPOR PRESSURE:N/AVPERCENT VOLATILE:99VAPOR DENSITY (AIR = 1):N/AVAPPEARANCE:blueSOLUBILITY IN WATER:COMPLETEODOR:alcoholEVAPORATION RATE:< 1(BUTYL ACETATE = 1)EXETIONX STABILITY AND REACTIVITY DATAFREEZING POLYMERIZATION:StableIncomparing in the sparks, open flame and static dischargeIncomparing in the sparks, open flame and static dischargeStatic dischargeIncomparing in the sparks, open flame and static dischargeIncomparing in the sparks, open flame and static dischargeIncomparing in the sparks, open flame and static dischargeIncomparing in the sparks open flame and static discharg  | SECT                           | TON IX PHYSICAL/CHEM   | ICAL CHARACTERISTICS                                 |                        |  |
| VAPOR PRESSURE:N/AVPERCENT VOLATILE:99VAPOR DENSITY (AIR = 1):N/AVAPPEARANCE:blueSOLUBILITY IN WATER:COMPLETEODOR:alcoholEVAPORATION RATE:<1   | <b>BOILING POINT:</b>          | ~212° F  | pH:  | 11.0 - 12.0            |  |
| VAPOR DENSITY (AIR = 1):N/AVAPPEARANCE:blueSOLUBILITY IN WATER:COMPLETEODOR:alcoholEVAPORATION RATE:<1(BUTYL ACETATE = 1)SECTION X STABILITY AND REACTIVITY DATASTABILITY:StableHAZARDOUS POLYMERIZATION:Will not occurINCOMPATIBILITY:Strong oxidizers, strong acids, and strong bases. Keep<br>away from heat, sparks, open flame and static discharge   | FREEZING POINT:                | < 32° F  | SPECIFIC GRAVITY:                                    | 1                      |  |
| SOLUBILITY IN WATER:<br>EVAPORATION RATE:<br>(BUTYL ACETATE = 1)COMPLETE<br><br><br><br><br><br><br><br>   |                                |  |  |                        |  |
| EVAPORATION RATE:<br>(BUTYL ACETATE = 1)       < 1         SECTION X STABILITY AND REACTIVITY DATA         STABILITY:       Stable         HAZARDOUS POLYMERIZATION:       Will not occur         INCOMPATIBILITY:<br>(CONDITIONS TO AVOID)       Strong oxidizers, strong acids, and strong bases. Keep<br>away from heat, sparks, open flame and static discharge  |                                |  |  |                        |  |
| (BUTYL ACETATE = 1)         SECTION X STABILITY AND REACTIVITY DATA         STABILITY:         Stable         HAZARDOUS POLYMERIZATION:         Will not occur         INCOMPATIBILITY:         Strong oxidizers, strong acids, and strong bases. Keep<br>away from heat, sparks, open flame and static discharge  |                                |  | ODOR:  | alcohol                |  |
| SECTION X STABILITY AND REACTIVITY DATA         STABILITY:       Stable         HAZARDOUS POLYMERIZATION:       Will not occur         INCOMPATIBILITY:       Strong oxidizers, strong acids, and strong bases. Keep<br>away from heat, sparks, open flame and static discharge  |                                | < 1  |  |                        |  |
| STABILITY:StableHAZARDOUS POLYMERIZATION:Will not occurINCOMPATIBILITY:Strong oxidizers, strong acids, and strong bases. Keep<br>away from heat, sparks, open flame and static discharge   | (BUTYL ACETATE = 1)            |  |  |                        |  |
| HAZARDOUS POLYMERIZATION:Will not occurINCOMPATIBILITY:Strong oxidizers, strong acids, and strong bases. Keep<br>away from heat, sparks, open flame and static discharge   | S                              | ECTION X STABILITY AN  | D REACTIVITY DATA                                    |                        |  |
| INCOMPATIBILITY:Strong oxidizers, strong acids, and strong bases. Keep(CONDITIONS TO AVOID)away from heat, sparks, open flame and static discharge   | STABILITY:                     |  | Stable   |                        |  |
| (CONDITIONS TO AVOID) away from heat, sparks, open flame and static discharge  | HAZARDOUS POLYMERIZATION:      |  | Will not occur                                       |                        |  |
| (CONDITIONS TO AVOID) away from heat, sparks, open flame and static discharge  | INCOMPATIBILITY:               | Strong   | Strong ovidizers strong soids and strong bases. Voon |                        |  |
| HAZARDOUS DECOMPOSITION: N/A   |                                | -  |  |                        |  |
| HAZAKDOUS DECOMPOSITION: N/A   | HAZADDOUGDEGOMDOGUNON          |  | N/A  |                        |  |
|  | nalakduus deuumpusiiiun:       |  | N/A  |                        |  |

| PRODUCT NAME: GLASS  | CLEANER Pg  |  |  |
|--|---|--|--|
|  | P5722AI-SP5719AI-SP5723AI Versi   |  |  |
| CHEMICAL FAMILY: ALCOHOL B   | BASED CLEANER 4/27/2  |  |  |
|  | Meets GHS requirem  |  |  |
| SECTION X  | XI TOXICOLOGICAL INFORMATION  |  |  |
| Prod   | luct has not been tested as a whole                                       |  |  |
| Isopropyl Alcohol:   | Acute oral toxicity (LD50): 3600 mg/kg, 4 hours [Mouse].                  |  |  |
|  | Acute dermal toxicity (LD50): 12800 mg/kg, 4 hours [Rabbit].              |  |  |
|  | Acute toxicity of the vapor (LC50): 16000, 8 hours [Rat].                 |  |  |
| 2-Butoxyethanol:   | Acute oral toxicity (LD50): 470 mg/kg, 4 hours [Rat].                     |  |  |
|  | Acute dermal toxicity (LD50): 220 mg/kg, 4 hours [Rabbit].                |  |  |
|  | Acute toxicity of the vapor (LC50): 450, 8 hours [Rat].                   |  |  |
| SECTION  | N XII ECOLOGICAL INFORMATION  |  |  |
| Prod   | duct has not been tested as a whole                                       |  |  |
| ***  |   |  |  |
| Isopropyl Alcohol:   | Ecotoxicity in water (LC50): 100000 mg/L, 96 hours [Fathead Minnow]       |  |  |
| 2-Butoxyethanol:   | Ecotoxicity in water (LC50): >100 mg/L, 96 hours [Fish]                   |  |  |
| SECTION  | XIII DISPOSAL CONSIDERATIONS  |  |  |
| WASTE DESCRIPTION:   | Wastes must be tested using methods described in 40 CFR Part 261 to       |  |  |
|  | determine if it meets applicable definitions of hazardous wastes          |  |  |
| GENERAL DISPOSAL CONSIDERATIONS:   | Clean up and dispose of waste in accordance with all                      |  |  |
|  | federal, state, and local environmental regulations.                      |  |  |
| SECTION  | N XIV TRANSPORT INFORMATION   |  |  |
| PROPER SHIPPING NAME:  | Flammable Liquid, N.O.S. (contains isopropyl alcohol)                     |  |  |
| UN/NA NUMBER:  | UN1993  |  |  |
| HAZARD CLASS:  | 3   |  |  |
| PACKING GROUP:   | Π   |  |  |
|  | 11  |  |  |
| <b>REPORTABLE QUANTITY (RQ lbs):</b>   | 5000 lbs  |  |  |
| EMERGENCY RESPONSE GUIDEBOOK:  | 5000 lbs<br>128   |  |  |
|  | 5000 lbs  |  |  |
| EMERGENCY RESPONSE GUIDEBOOK:<br>PLACARD/LABELS REQUIRED:  | 5000 lbs<br>128   |  |  |
| EMERGENCY RESPONSE GUIDEBOOK:<br>PLACARD/LABELS REQUIRED:  | 5000 lbs<br>128<br>Flammable  |  |  |
| EMERGENCY RESPONSE GUIDEBOOK:<br>PLACARD/LABELS REQUIRED:<br>SECTION   | 5000 lbs<br>128<br>Flammable<br>XXV REGULATORY INFORMATION<br>yes<br>none |  |  |
| EMERGENCY RESPONSE GUIDEBOOK:<br>PLACARD/LABELS REQUIRED:<br>SECTION<br>OSHA HAZARDOUS CHEMICAL:                         | 5000 lbs<br>128<br>Flammable<br>••••••••••••••••••••••••••••••••••••      |  |  |
| EMERGENCY RESPONSE GUIDEBOOK:<br>PLACARD/LABELS REQUIRED:<br>SECTION<br>OSHA HAZARDOUS CHEMICAL:<br>SARA 302 COMPONENTS: | 5000 lbs<br>128<br>Flammable<br>XXV REGULATORY INFORMATION<br>yes<br>none |  |  |

### **GLASS CLEANER**

PRODUCT NAME: PRODUCT CODE: CHEMICAL FAMILY:

Fluid 5722 P/N: SP5722AI-SP5719AI-SP5723AI ALCOHOL BASED CLEANER Pg. 5/5 Version 8 4/27/2015 Meets GHS requirements

#### HMIS:

# SECTION XVI OTHER INFORMATION

Health = 1; Flammability = 3; Reactivity = 0; Personal Protection Equipment = B

#### DISCLAIMER

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End of SDS