

**MATERIAL SAFETY DATA SHEET: GREEN ADVANTAGE GLASS & PLASTIC CLEANER**

**Section I - General Information**

(000000-000000- - 4225 )

Date of Issue:  
10/30/2006 12:00:00 AM  
Chemical Name & Synonyms:  
N/A  
Chemical Family:  
AQUEOUS PIGMENTED LATEX  
Manufacturer Name:  
MANTEK, DIVISION OF NCH CORP.  
Manufacturer Address:  
BOX 152170  
IRVING, TEXAS 75015  
Prepared By:  
M McDowell/Chemist

Supercedes:  
10/30/2006 12:00:00 AM  
Trade Name & Synonyms:  
GREEN ADVANTAGE GLASS & PLASTIC CLEANER  
Formula is a mixture: [v]

Product Code Number:  
4225

Emergency Phone Number:  
800-424-9300

**Section II - Hazardous Ingredients**

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS

Chemical Name (Ingredients)	Hazard	TLV	PEL	STEL	CAS #
SODIUM LAURYL SULFATE	IRRITANT	N/E 1	N/E 2	N/E	151-21-3
1-BUTOXY-2-PROPANOL	IRRITANT	N/E 1	N/E 2	N/E	5131-66-8

**Section III - Physical Data**

Boiling Point (°F):212°  
Vapor Pressure (mm Hg):>18  
Vapor Density (Air=1):0.6  
pH @ 100% :7.8  
% Volatile by Volume:>95  
H<sub>2</sub>O Solubility:COMPLETE

Specific Gravity (H<sub>2</sub>O=1):1.03  
Color:BLUE  
Odor:ODORLESS  
Clarity:OPAQUE  
Evaporation Rate (BuAc=1):<1  
Viscosity:NON-VISCOUS

**Section IV - Fire and Explosion Hazard**

Flash Point:168°F  
Flammable Limits:1-BUTOXY-2-PROPANOL  
LEL:1.1

Method Used:T.C.C.  
UEL:N/E  
Aerosol Level (NFPA 30B):N/A

Extinguishing Media:

<input checked="" type="checkbox"/> Foam	<input checked="" type="checkbox"/> Alcohol Foam	<input checked="" type="checkbox"/> CO2
<input checked="" type="checkbox"/> Dry Chemical	<input checked="" type="checkbox"/> Water Spray	<input type="checkbox"/> Other

NFPA 704 Hazard Rating:

4-Extreme	Health: 2
3-High	Flammability: 2
2-Moderate	Instability: 0
1-Slight	Special:
0-Insignificant	

**Special Fire Fighting Procedures:**

FIREFIGHTERS SHOULD WEAR A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. EXTINGUISHING MEDIA SHOULD BE CHOSEN BASED ON THE NATURE OF THE SURROUNDING FIRE.

**Unusual Fire and Explosion Hazards:**

VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL TO DISTANT AND/OR LOW-LYING SOURCES OF IGNITION AND FLASHBACK. THE USE OF WATER SPRAY (FOG) WHILE EFFECTIVE, MAY CAUSE FROTHING AND FOAMING. NEVER USE A WATER JET AS THIS WILL JUST SPREAD THE FIRE. USE CARE AS SPILLS MAY BE SLIPPERY.

**Section V - Health and Hazard Data**

Threshold Limit Value:  
NOT ESTABLISHED.

**Effects of Overexposure:**

**Acute: (Short Term Exposure)**

EYE CONTACT: CAUSES IRRITATION SEEN AS TEARING AND REDNESS. SKIN CONTACT: CAUSES IRRITATION SEEN AS ITCHING AND REDNESS. MAY CAUSE ALLERGIC SKIN REACTION SEEN AS DELAYED SKIN RASH WHICH MAY BE FOLLOWED BY BLISTERING, SCALING, AND OTHER SKIN EFFECTS. PROLONGED OR REPEATED CONTACT AS FROM CLOTHING WET WITH MATERIAL MAY CAUSE DRYING, DEFATTING, AND CRACKING OF THE SKIN. INHALATION: MAY CAUSE IRRITATION SEEN AS COUGHING AND SNEEZING. INGESTION: MAY CAUSE IRRITATION SEEN AS NAUSEA, VOMITING, AND DIARRHEA.

**Chronic: (Long Term Exposure)**

MAY CAUSE SKIN SENSITIZATION IN SOME INDIVIDUALS. MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE ARE PRE-EXISTING RESPIRATORY AND SKIN CONDITIONS SUCH AS ASTHMA, EMPHYSEMA, AND DERMATITIS. TARGET ORGANS: BLOOD-FORMING ORGANS AND CENTRAL NERVOUS SYSTEM. THE PRIMARY ROUTES OF EXPOSURE ARE SKIN AND EYE CONTACT.

**Primary Routes of Entry**

<input checked="" type="checkbox"/> Inhalation	<input type="checkbox"/> Ingestion	<input checked="" type="checkbox"/> Absorption
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**Emergency First Aid Procedures:**

**Inhalation:**

REMOVE FROM THE AREA TO FRESH AIR. SEEK MEDICAL ATTENTION IF RESPIRATORY IRRITATION DEVELOPS OR IF BREATHING BECOMES DIFFICULT.

**Eye Contact:**

RINSE THE EYES WITH WATER. REMOVE ANY CONTACT LENSES AND CONTINUE FLUSHING WITH PLENTY OF WATER FOR SEVERAL MINUTES. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS.

**Skin Contact:**

WASH AFFECTED AREAS WITH LARGE AMOUNTS OF SOAP AND WATER FOR 15-MINUTES. REMOVE CONTAMINATED CLOTHING AND SHOES. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS. WASH CLOTHING AND CLEAN SHOES BEFORE REUSE.

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Ingestion:

GIVE 3 TO 4 GLASSES OF WATER, BUT DO NOT INDUCE VOMITING. IF VOMITING OCCURS, GIVE FLUIDS AGAIN. SEEK MEDICAL ATTENTION IF DISCOMFORT OCCURS.

Notes to Physician:

THERE IS NO SPECIFIC ANTIDOTE. TREAT THE PATIENT SYMPTOMATICALLY.

Section VI - Toxicity Information

Product Contains Chemicals Listed as Carcinogen or Potential Carcinogen By: [ ] IARC [ ] NTP [ ] OSHA [ ] ACGIH [ ] Other

VOC CONTENT: 40% BY WEIGHT; 398 G/L

SODIUM LAURYL SULFATE
ORL-RAT LD50: 1288 MG/KG 4.
IHL-RAT LC50: >3900 MG/M3/1H 4.
SKN-RBT LD50: >2000 MG/KG AND <20000 MG/KG 3.
SKN-RBT SDT: 50 MG/24H SEVERE 4.
EYE-RBT SDT: 100 MG/24H MODERATE 4.
EYE-RBT IRR SCORE: 34.3 3.

1-BUTOXY-2-PROPANOL
ORL-RAT LD50: 4980 MG/KG 3.
SKN-RBT LD50: 3100 MG/KG 3.
IHL-RAT TCLO: 600 PPM/6H/11D-I 3.

Section VII - Reactivity Data

Stability: [x] Stable [ ] Unstable
Hazardous Polymerization: [x] Will not occur [ ] May occur
Conditions to Avoid: NONE KNOWN. N/A

Incompatibility (Materials to Avoid): STRONG OXIDIZING AGENTS SUCH AS CHLORINE BLEACH AND CONCENTRATED HYDROGEN PEROXIDE.

Hazardous Decomposition Products: OXIDES OF CARBON.

Section VIII - Spill Or Leak Procedures

Steps to be Taken if Material is Released or Spilled: WEAR APPROPRIATE PROTECTIVE CLOTHING. ELIMINATE ALL SOURCES OF IGNITION AND VENTILATE THE AREA. USE ONLY NON-SPARKING EQUIPMENT. USE CARE AS SPILLS MAY BE SLIPPERY. SHUT OFF SOURCE OF LEAK. DIKE AND CONTAIN SPILL. ABSORB WITH AN INERT MATERIAL AND TRANSFER ALL MATERIAL INTO A PROPERLY LABELED CONTAINER FOR DISPOSAL.

Waste Disposal Method(s): DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS.

Neutralizing Agent: N/A

Section IX - Special Protection Information

Required Ventilation: LOCAL VENTILATION IS RECOMMENDED TO CONTROL EXPOSURE FROM OPERATIONS THAT CAN GENERATE EXCESSIVE LEVELS OF MISTS OR VAPORS. LOCAL VENTILATION IS PREFERRED, BECAUSE IT PREVENTS DISPERSION INTO WORK AREAS BY CONTROLLING IT AT ITS SOURCE.

Respiratory Protection: RESPIRATORS SHOULD BE SELECTED BY AND USED UNDER THE DIRECTION OF A TRAINED HEALTH AND SAFETY PROFESSIONAL FOLLOWING REQUIREMENTS FOUND IN OSHA'S RESPIRATOR STANDARD (29 CFR 1910.134) AND ANSI'S STANDARD FOR RESPIRATORY PROTECTION (Z88.2-1992).

Glove Protection: NEOPRENE OR NITRILE RUBBER GLOVES SHOULD BE WORN. ENSURE COMPLIANCE WITH OSHA'S PERSONAL PROTECTIVE EQUIPMENT (PPE) STANDARD FOR HAND PROTECTION, 29 CFR 1910.138.

Eye Protection: SAFETY GLASSES WITH SIDE SHIELDS IF THE METHOD OF USE PRESENTS THE LIKELIHOOD OF EYE CONTACT. ENSURE COMPLIANCE WITH OSHA'S PERSONAL PROTECTIVE EQUIPMENT (PPE) STANDARD FOR EYE AND FACE PROTECTION, 29 CFR 1910.133.

Other Protection: WEAR PROTECTIVE CLOTHING WHEN HANDLING. A SAFETY SHOWER AND AN EYEWASH STATION SHOULD BE AVAILABLE.

Section X - Storage and Handling Information

Storage Temperature: Max: 120°F Min: 35°F
Storage Conditions: [x] Indoors [ ] Outdoors [ ] Heated [ ] Refrigerated

Precautions to be Taken in Handling and Storing: ALWAYS STORE MATERIAL IN ITS ORIGINAL CONTAINER. KEEP THE CONTAINER TIGHTLY CLOSED WHEN NOT IN USE. USE WITH CAUTION AROUND HEAT, SPARKS, PILOT LIGHTS, STATIC ELECTRICITY, AND OPEN FLAME.

Other Precautions: KEEP OUT OF REACH OF CHILDREN. READ THE ENTIRE LABEL BEFORE USING THE PRODUCT. FOLLOW THE LABEL DIRECTIONS.

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CLEANER

Section XI - Regulatory Information

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Upper % Limit</u>
None.		

Those Ingredients listed above are subject to the reporting requirements of 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

Please call 1-800-527-9919 for additional information if you are a California customer. This MSDS is not intended for users in the state of California.

Section XII - References

1. THRESHOLD LIMIT VALUES FOR CHEMICAL SUBSTANCES AND PHYSICAL AGENTS AND BIOLOGICAL EXPOSURE INDICES, ACGIH, 2006.
  2. OSHA PEL.
  3. VENDOR'S MSDS.
  4. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES, CCINFODisc, 2006.
- ALL THE COMPONENTS OF THIS PRODUCT ARE IN COMPLIANCE WITH THE TOXIC SUBSTANCES CONTROL ACT (TSCA) AND ARE EITHER LISTED ON THE TSCA INVENTORY OR OTHERWISE EXEMPTED FROM LISTING.
- IRR:IRRITANT, FLAM/FLAMM:FLAMMABLE, TOX:TOXIC, IHL:INHALATION, COMB:COMBUSTIBLE, CORR:CORROSIVE, CARC:CARCINOGENIC, N/A:NOT APPLICABLE, N/E:NOT ESTABLISHED, COC:CLEVELAND OPEN CUP, PMCC:PENSKY-MARTIN CLOSED CUP, TCC:TAGLIABUE CLOSED CUP, LEL:LOWER EXPLOSION LIMIT, UEL:UPPER EXPLOSION LIMIT, HMN:HUMAN, IARC:INTERNATIONAL AGENCY FOR THE RESEARCH ON CANCER, NFPA:NATIONAL FIRE PROTECTION ASSOCIATION, ORL:ORAL, NTP:NATIONAL TOXICOLOGY PROGRAM, OSHA:OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION, ACGIH:AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS, TLV:THRESHOLD LIMIT VALUE, PEL:PERMISSIBLE EXPOSURE LIMIT, STEL:SHORT-TERM EXPOSURE LIMIT, MLD:MILD, MOD:MODERATE, SEV:SEVERE, MUT:MUTAGENIC, ASPHYX:ASPHYXIANT, PNOC:PARTICULATES NOT OTHERWISE CLASSIFIED, PNOR:PARTICULATES NOT OTHERWISE REGULATED, PNOI:PARTICULATES (INSOLUBLE) NOT OTHERWISE SPECIFIED, SDT:STANDARD DRAIZE TEST
- THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED ACCURATE IN LIGHT OF CURRENT FORMULATION. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF.

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