



Manufacturers of Carpet Cleaning Equipment,
Chemicals, and Janitorial Supplies.
1651 Blalock, Houston, TX 77080
(713) 932-8293 * (713) 932-7605

**MATERIAL SAFETY DATA SHEET
AND SAFE HANDLING AND DISPOSAL INFORMATION**

DATE: JANUARY 02, 2002 **PRODUCT NAME:** VISION
SUPERSEDES: ALL OTHERS **PRODUCT NUMBER:** 3054

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SECTION I - EMERGENCY CONTACTS

NAMCO MANUFACTURING INC. (713) 932-8293 OR (800) 634-5816

POISON CENTER: (800) 764-7661

**SECTION II - MATERIAL IDENTIFICATION AND INFORMATION -
COMPONENTS-CHEMICAL NAMES
AND COMMON NAMES**

(HAZARDOUS COMPONENTS 1% OR GREATER; CARCINOGENS 0.1% OR GREATER)	CAS NUMBER	SARA III LIST	OSHA PEL (PPM)	ACGIH TLV (PPM)	CARCINOGEN REF. SOURCE**
2-BUTOXYETHANOL*	111-76-2	YES	50	25	D
ETHANOL	64-17-5	NO	1000	1000	D
ISOBUTANE/PROPANE BLEND D	75-28-5	NO	NO	800	800
	74-98-6	NO	1000	1000	D

*GLYCOL ETHER

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS -

BOILING POINT: N/A
SPECIFIC GRAVITY (H2O=1): CONCENTRATE ONLY = 0.985
VAPOR PRESSURE PSIG @ 70°F (AEROSOL): MAX 70
VAPOR PRESSURE (NON-AEROSOLS)(MM HG AND TEMPERATURE): N/A
VAPOR DENSITY (AIR = 1): N/E
EVAPORATION RATE: N/E
SOLUBILITY IN WATER: SOLUBLE
WATER REACTIVE: NO
APPEARANCE AND ODOR: WHITE FOAM, SASSAFRAS FRAGRANCE

SECTION IV - FIRE & EXPLOSION HAZARD DATA -

FLAMMABILITY AS PER USA FLAME PROJECTION TEST (AEROSOLS): NON-FLAMMABLE
AUTO IGNITION TEMPERATURE: N/E
FLASH POINT AND METHOD USED (NON-AEROSOLS): N/A
SPECIAL FIRE FIGHTING PROCEDURES: SELF-CONTAINED BREATHING APPARATUS
EXTINGUISHING MEDIA: FOAM, DRY CHEMICAL, CARBON DIOXIDE
UNUSUAL FIRE & EXPLOSION HAZARDS: DO NOT EXPOSE AEROSOLS TO TEMPERATURES ABOVE 130°F OR THE CONTAINER MAY RUPTURE.

HEALTH : 1
FIRE : 1
REACTIVITY : 0
SPECIAL :

SECTION V - REACTIVITY HAZARD DATA -**STABILITY:** STABLE**HAZARDOUS POLYMERIZATION:** WILL NOT OCCUR**INCOMPATIBILITY (MATERIALS TO AVOID):** STRONG OXIDIZERS**CONDITIONS TO AVOID:** OPEN FLAME, WELDING ARCS, HEAT, SPARKS**HAZARDOUS DECOMPOSITION PRODUCTS:** CARBON MONOXIDE, CARBON DIOXIDE

SECTION VI - HEALTH HAZARD DATA -**PRIMARY ROUTES OF ENTRY:** INHALATION AND SKIN ABSORPTION**ACUTE EFFECTS:****INHALATION:** EXCESSIVE INHALATION OF VAPORS CAN BE HARMFUL AND MAY CAUSE HEADACHE, DIZZINESS, ASPHYXIA, ANESTHETIC EFFECTS AND POSSIBLE UNCONSCIOUSNESS**EYE CONTACT:** SLIGHT IRRITATION**SKIN CONTACT:** SLIGHT IRRITATION**INGESTION:** POSSIBLE CHEMICAL PNEUMONITIS IF ASPIRATED INTO LUNGS**CHRONIC EFFECTS:** NONE KNOWN TO HUMANS. NOTE: SOME ANIMAL DATA INDICATES SOME REPORTS OF ANEMIA, LIVER, KIDNEY, LUNG, BLOOD DAMAGE WHEN EXCESSIVELY EXPOSED TO **2-BUTOXYETHANOL****MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** MAY AGGRAVATE EXISTING EYE, SKIN OR UPPER RESPIRATORY CONDITIONS

SECTION VII - EMERGENCY FIRST AID PROCEDURES -**EYE CONTACT:** FLUSH WITH WATER FOR 15 MINUTES. IF IRRITATED, SEEK MEDICAL ATTENTION**SKIN CONTACT:** WASH WITH SOAP AND WATER. IF IRRITATED, SEEK MEDICAL ATTENTION**INHALATION:** REMOVE TO FRESH AIR. RESUSCITATE IF NECESSARY. GET MEDICAL ATTENTION**INGESTION:** DO NOT INDUCE VOMITING. DRINK TWO LARGE GLASSES OF WATER. GET IMMEDIATE MEDICAL ATTENTION

SECTION VIII - CONTROL AND PROTECTIVE MEASURES -**RESPIRATORY PROTECTION (SPECIFY TYPE):** IF VAPOR CONCENTRATION EXCEEDS TLV, USE RESPIRATOR APPROVED BY NIOSH/MSHA FOR ORGANIC VAPORS**PROTECTIVE GLOVES:** DISPOSABLE LATEX GLOVES SUGGESTED.**EYE PROTECTION:** SAFETY GLASSES RECOMMENDED**VENTILATION REQUIREMENTS:** ADEQUATE VENTILATION TO KEEP VAPOR CONCENTRATION BELOW TLV**OTHER PROTECTIVE CLOTHING AND EQUIPMENT:** NONE**HYGIENIC WORK PRACTICES:** WASH WITH SOAP AND WATER BEFORE HANDLING FOOD. REMOVE CONTAMINATED CLOTHING

SECTION IX - PRECAUTIONS FOR SAFE HANDLING AND USE -**STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED:** FLUSH TO SEWER WITH WATER**WASTE DISPOSAL METHODS:** AEROSOL CANS WHEN VENTED TO ATMOSPHERIC PRESSURE THROUGH NORMAL USE, POSE NO DISPOSAL HAZARD**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** DO NOT PUNCTURE OR INCINERATE CONTAINERS. DO NOT STORE AT TEMPERATURES ABOVE 130°F**OTHER PRECAUTIONS AND/OR SPECIAL HAZARDS:** KEEP OUT OF REACH OF CHILDREN. AVOID FOOD CONTAMINATION. AVOID BREATHING VAPORS