

89

07/14/97 as of 07/14/97
3:12 7151

MATERIAL SAFETY DATA SHEET
VANGO

PAGE: 1

ATCO INTERNATIONAL: 1401 BARCLAY CIRCLE, MARIETTA, GA 30060
DAY TELEPHONE: (770)424-7550 EMERGENCY TELEPHONE: (800)255-3924
EVENINGS OR WEEKENDS: (800)255-3924

***** SECTION I: IDENTIFICATION OF PRODUCT *****

PRODUCT NAME: VANGO
PRODUCT NUMBER: 7151
LAST REV. DATE: 07/10/97
PREPARED BY:
F.J.SPAETH
DIRECTOR OF TECHNICAL SERVICES.

***** SECTION II: HAZARDOUS INGREDIENTS *****

INGREDIENT	CAS #	%WGT	VF	VD		PPM	MG/MS
1-BUTOXYETHANOL			00.6	4.1	OSHA	25.00	0.000
	111-76-2		0	20.00	C	ACGIH	50.00 120.00
PROPYLENE GLYCOL MONOMETHYL			ND	ND	OSHA	0.000	0.000
OTHER	107-98-2				ACGIH	0.000	0.000

HMIS 2:H 2:F 0:R 5:P

***** SECTION III: PHYSICAL DATA *****

BOILING POINT (F): 212 F
EVAPORATION RATE (BUTYL ETHER=1): <1
WEIGHT PER GALLON (25 C): 8.120 LBS/GL
VAPOR DENSITY (AIR=1): >1
VOLATILE BY WEIGHT: NO DATA
VOLATILE BY VOLUME: NO DATA
SPECIFIC GRAVITY: 0.98
VOC: 129.00 GM/L METHOD: C
PHOTOCHEMICAL REACTIVITY:
This product's solvent system is not considered photochemical reactive.
APPEARANCE: GREY TOWEL.
ODOR: BANANA.
WATER SOLUBILITY: INSOLUBLE.

***** SECTION IV: FIRE AND EXPLOSION HAZARD DATA *****

FLAMMABILITY CLASSIFICATION
OSHA: COMBUSTIBLE LIQUID - CLASS II
DOT: NOT REGULATED.
FLASH POINT (DEG. F): 136 F
LOWER EXPLOSIVE LIMIT (LEL): NO DATA
UPPER EXPLOSIVE LIMIT (UEL): NO DATA
EXTINGUISHING MEDIA:
Carbon dioxide, dry chemicals, foam, and vaporizing liquid
type extinguishing agents have all been found suitable for
use on flammable liquid fires of moderate size. Water spray
(fog) is particularly effective on flammable liquid and
volatile solids having flash points above 100 F, but with

***** SECTION VI: REACTIVITY DATA *****

STABILITY: Stable.

CONDITIONS TO AVOID: Open flame; sparks; or high temperature.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS:

Thermal decomposition and/or burning may produce oxides of carbon and various hydrocarbons.

HAZARDOUS POLYMERIZATION: Will not occur.

***** SECTION VII: SPILL OR LEAK PROCEDURES *****

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Stop source of spill. Sweep solid material into a suitable container and dispose of in a manner consistent with applicable regulations.

WASTE DISPOSAL METHOD:

Dispose of in accordance with applicable Federal, State, and local regulations. Under the Resource Conservation and Recovery Act (RCRA) regulations, it is the responsibility of the product user to determine, at the time of disposal, whether a material should be classified as a hazardous waste. Consult your attorney or appropriate regulatory affairs officer for information on proper disposal.

***** SECTION VIII: SPECIAL PROTECTION INFORMATION *****

RESPIRATORY PROTECTION:

None required in excess of normal ventilation.

VENTILATION:

Local mechanical exhaust to provide normal ventilation.

PROTECTIVE GLOVES:

Impervious gloves recommended.

EYE PROTECTION:

Use safety eyewear designed to protect against splash of liquids.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

None required.

HYGIENIC PRACTICES:

Wash thoroughly after handling.

***** SECTION IX: SPECIAL PRECAUTIONS *****

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Do not store above 120 F.

Keep closure tight and container upright to prevent leakage.

Store drum out of sunlight and away from heat, sparks, or flame.

Store only in well-ventilated areas.

OTHER PRECAUTIONS:

Follow label instructions. KEEP OUT OF REACH OF CHILDREN.

Liquids having flash points above 212 F. frothing may occur.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

WATER SPRAY; WATER FOG; FOAM; CARBON DIOXIDE; DRY CHEMICAL.

SPECIAL FIRE-FIGHTING PROCEDURES:

If water is used, fog nozzles are preferable. Water may be used to cool closed containers in order to prevent pressure build up which may result in an explosion.

***** SECTION V: HEALTH HAZARD DATA *****

PRIMARY ROUTE(S) OF ENTRY: Inhalation: Y Skin Contact: Y

Ingestion: Y

EXPOSURE LIMIT: Refer to Section II for complete PEL/TLV data.

ACUTE EFFECTS OF OVEREXPOSURE

INHALATION:

Excessive inhalation may affect the brain or nervous system causing dizziness, headache, nausea, palpitations or inflammation of the mucous membrane of the nose.

SKIN CONTACT:

May cause skin irritation on repeated or prolonged contact.

EYE CONTACT:

May cause stinging of eyes followed by irritation. Does not cause injury to eye tissue.

SKIN ABSORPTION:

No evidence of adverse effects from available information.

INGESTION: Ingestion not a likely route of exposure.

CHRONIC EFFECTS OF OVEREXPOSURE:

Chronic effects and medical conditions aggravated by over-exposure to this product have not been established.

Unnecessary exposure to this product or any chemical should be avoided.

CARCINOGENICITY: IARC: N NTP: N OSHA: N

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY OVEREXPOSURE:

No additional effects of overexposure to this material can be found from available information.

ADDITIONAL TOXICITY INFORMATION:

No additional information available.

EMERGENCY AND FIRST AID PROCEDURES

INHALATION:

Remove to fresh air. If breathing has stopped give artificial respiration. Get IMMEDIATE MEDICAL ATTENTION

EYE CONTACT:

In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

SKIN CONTACT:

In case of contact, immediately flush skin with soap and water.

INGESTION: Unlikely route of exposure.

***** SECTION X: REGULATORY INFORMATION *****

TOXIC SUBSTANCES CONTROL ACT (TSCA) STATUS:

All components of this product are listed on the TSCA
Section 8(b) Inventory.

SARA SECTION 312 HAZARD CATEGORIES:

N-Fire Hazard	N-Pressure Hazard
N-Reactivity Hazard	N-Acute Health Hazard
N-Chronic Health Hazard	

SARA SECTION 313 STATUS

Component/Category Name	CAS Number	Weight %
-------------------------	------------	----------

DISCLAIMER

The information and/or data contained herein are based on
available literature and information we believe to be
reliable. They are offered in good faith, but without
guarantee, as conditions and methods of use of our product
are beyond our control. We recommend that the prospective
user determine the suitability of our materials from
the contained information before adopting them for use.