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Emergency No. 1-800-535-5053 (INFOTRAC)
Call nearest Sales Office for MSDS Information

MATERIAL SAFETY DATA SHEET

SECTION 1. IDENTIFICATION OF PRODUCT

Product Name: VANGUARD AEROSOL
Product Code: GGRO55/886
Type of Product: AEROSOL GRAFFITI/
PAINT REMOVER
Prepared By: IAN R. GECKER
Date Issued: 02/05/90
Supercedes: 11/30/89
National Item#: 2660XX

SECTION 2. INGREDIENTS	CAS #	%WT	OSHA-PEL (PPM)	ACGIH-TLV (PPM)	CARCINOGEN REF. SOURCE
ISOPROPYL ALCOHOL	67-63-0	25	400	400	D
TOLUENE	108-88-3	35	200	100	D
ACETONE	67-64-1	10	1000	750	D
METHANOL	67-56-1	2	200	200	D
ISOBUTANE/PROPANE BLEND	75-28-5/74-98-6	20	1000	1000	D
ETHYLENE GLYCOL N-BUTYL ETHER	111-76-2	5	50	25	D

SECTION 3. PHYSICAL DATA

Vapor Density (air=1): NE
Specific Gravity (H2O=1) Concentrate Only: 0.80
Solubility in Water: SOLUBLE
Vapor Pressure, psig @ 70 F: MAX. 60
Water Reactive: NO
Boiling Point: N/A
Evaporation Rate (buAce=1): NE
Vapor Pressure (Non-Aerosols) (mm Hg and Temperature): NA
Appearance and Odor: CLEAR GEL, AROMATIC SOLVENT ODOR.

SECTION 4. FIRE AND EXPLOSION HAZARD DATA

Flash Point, F (TCC): NA
Auto Ignition Temperature, F: NE
Flammability as per USA Flame Projection Test (Aerosols): EXTREMELY FLAMMABLE
Flammable Limits in Air, Volume %: LOWER (LEL)-NE UPPER (UEL)-NE
Extinguishing Media: WATER FOG, FOAM, CARBON DIOXIDE, DRY CHEMICAL
Special Firefighting Procedures: SELF CONTAINED BREATHING APPARATUS
Unusual Fire and Explosion Hazards: DO NOT EXPOSE AEROSOLS TO TEMPERATURES ABOVE 130F OR THE CONTAINER MAY EXPLODE.

SECTION 5. REACTIVITY DATA

Stability: STABLE
Conditions to Avoid: OPEN FLAME, WELDING ARCS, HEAT, SPARKS
Incompatibility - Materials to Avoid: STRONG OXIDIZERS, ACIDS.
Hazardous Polymerization Products: WILL NOT OCCUR
Conditions to Avoid: NONE KNOWN
Hazardous Decomposition Products: CO, CO2

SECTION 6. SPILL, LEAK AND DISPOSAL PROCEDURES

Steps to be Taken if Material is Spilled or Released:
ABSORB WITH SUITABLE MEDIUM. INCINERATE OR LANDFILL ACCORDING TO LOCAL, STATE, OR FEDERAL REGULATION. PREVENT FROM ENTERING DRAINS AND SEWER.
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 130F.
Other Precautions and/or Special Hazards: AVOID FOOD CONTAMINATION. KEEP OUT OF REACH OF CHILDREN. REMOVE IGNITION SOURCES. AVOID BREATHING VAPORS.

SECTION 7. HEALTH HAZARD DATA

Primary Route(s) of Entry: INHALATION, SKIN ABSORPTION
Acute Effects:
Inhalation: EXCESSIVE INHALATION OF VAPORS CAN BE HARMFUL AND MAY CAUSE HEADACHE, DIZZINESS, ASPHYXIS, ANESTHETIC EFFECTS AND POSSIBLE UNCONSCIOUSNESS.
Eye Contact: IRRITATION
Skin Contact: IRRITATION
Ingestion: POSSIBLE CHEMICAL PNEUMONITIS IF ESPIRATED INTO LUNGS. NAUSEA.
Chronic Effects: LAB ANIMALS HAVE EXPERIENCED ANEMIA, LIVER, KIDNEY, LUNG, BLOOD DAMAGE TO GLYCOL ETHER EB. *** MAY CAUSE CARDIAC ABNORMALITY, LIVER ABNORMALITIES, KIDNEY AND/OR LIVER DAMAGE.
Medical Conditions Generally Aggravated by Exposure: MAY AGGRAVATE EXISTING EYE, SKIN, OR UPPER RESPIRATORY CONDITIONS.

SECTION 8. EMERGENCY AND FIRST AID PROCEDURES

Eye Contact: FLUSH WITH WATER FOR MINIMUM OF 15 MINUTES. IF IRRITATED, SEE PHYSICIAN.
Skin Contact: WASH WITH SOAP AND WATER. IF IRRITATED, SEE PHYSICIAN.
Inhalation: REMOVE TO FRESH AIR. RESUSCITATE IF NECESSARY. GET MEDICAL AID.
Ingestion: DO NOT INDUCE VOMITING. CALL PHYSICIAN. NO SPECIFIC ANTIDOTE KNOWN.

SECTION 9. CONTROL AND PROTECTIVE MEASURES

Respiratory Protection: IF VAPOR CONC. EXCEEDS TLV, USE RESPIRATOR BY U.S. BUREAU OF MINES FOR ORGANIC VAPOR.
Protective Gloves: RUBBER GLOVES
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 10. ADDITIONAL INFORMATION

OSHA TITLE III H&P RATING: Acute, YES: Chronic, YES: Fire, YES:
Press. Release: NO: Reactive, NO:

HAZARD RATING: HEALTH -2 FLAMMABILITY -4 REACTIVITY- 0 SPECIAL -0

RFP RATING: HEALTH -2 FLAMMABILITY -4 REACTIVITY -0 SPECIAL -0

WARNING:

THIS PRODUCT CONTAINS METHYLENE CHLORIDE, A SUBSTANCE WHICH THE STATE OF CALIFORNIA HAS DETERMINED TO CAUSE CANCER.
THE INFORMATION ON THIS MATERIAL SAFETY DATA SHEET REPRESENTS THE LATEST DATA AND BEST OPINION AS TO THE PROPER USE AND HANDLING OF THIS PRODUCT UNDER NORMAL CONDITIONS. ANY USE OF THIS PRODUCT OR METHOD OF APPLICATION WHICH IS NOT IN CONFORMANCE WITH THIS DATA SHEET AND THE PRODUCT LABEL DIRECTIONS, IS THE RESPONSIBILITY OF THE USER. THIS MATERIAL SAFETY DATA SHEET WAS PREPARED TO COMPLY WITH THE OSHA HAZARD COMMUNICATION REGULATION.