ORANGE DEODORANT

NFPA/HMIS : Health -1
Flammability - 0
Reactivity - 0

Complies With USDL Safety and Health Regulations, (29 CFR 1910.200)
Material Safety Data Sheet US Department Of Labor

SECTION - 1 CHEMICAL AND COMPANY IDENTIFICATION

PRODUCT NAME: Orange Deodorant
PRODUCT USE: Odor Counteractant

American Formula
4720 Frederick Drive, S.W.
Atlanta, GA 30336

EMERGENCIES: 1-800-255-3924
REVISION DATE: 03/30/05

SECTION - 2 COMPOSITION ON INGREDIENTS

CHEMICAL NAMES	Wt%	TLV (UNITS)
Nonyphenoxypolyoxyethanol	>5	NE

NE: Not Established

SECTION - 3 HAZARDS INFORMATION

PRIMARY ROUTE(S) OF ENTRY: Skin contact /absorption and inhalation
SIGNS AND SYMPTOMS OF OVEREXPOSURE: Gastrointestinal irritation (nausea, vomiting, diarrhea), irritation to nose, throat, and respiratory tract.
TARGET ORGAN EFFECTS: None expected.
IMMEDIATE HEALTH EFFECTS
EYES: Exposure may cause noticeable pain, and severe irritation.
SKIN: Exposure may cause mild skin irritation. Prolonged or repeated exposure may dry the skin. Symptoms may include redness, burning, and drying and cracking. Additional symptoms of skin contact may include: allergic reaction. Skin absorption is possible, but harmful effects are not expected from this route of exposure under normal handling and use.
INHALATION: Exposure to vapor or mist is possible. Short term inhalation is no likely to cause harmful effects: breathing large amounts may be harmful. Symptoms are more typically seen at air concentrations exceeding the recommended exposure limits.
INGESTION: Single dose oral toxicity is low. Swallowing small amounts during normal handling is not likely to cause harmful effects: swallowing large amounts may be harmful.
REPRODUCTIVE / DEVELOPMENTAL INFORMATION
No Data
CARCINOGENIC INFORMATION: This material is not listed as a carcinogen by IARC, NTP, or OSHA
LONG TERM EFFECTS: No Data

SECTION - 4 FIRST AID MEASURES

EYES- Immediately flush with water. Remove contact lenses if applicable, and continue flushing with water. call a physician if irritation persists.
SKIN- Flush with water. Wash thoroughly with soap and water. Call physician if irritation persists.
INHALATION- If symptoms develop, move victim to fresh air. If symptoms persist call a physician.
INGESTION- Do not induce vomiting. Rinse mouth with water, then drink one glass of water. Call a physician immediately. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness or is convulsing.

SECTION - 5 FIRE FIGHTING MEASURES

FLASH POINT No Flash at Boil (C.C. method)
EXPLOSIVE LIMITS Not Applicable
AUTOIGNITION TEMPERATURE Not Applicable
HAZARDOUS PRODUCTS OF COMBUSTION Not Applicable
EXTINGUISHING MEDIA Not Applicable
FIRE FIGHTING INSTRUCTIONS Avoid contact with this material. Avoid walking in spilled material.
Wear protective clothing for skin and eyes

SECTION - 6 ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Absorb with an inert solid and scoop up for disposal, then rinse soiled area with water down the drain.
LARGE SPILL: Stop leak at the source and collect into a suitable container, then treat as a small spill.

SECTION - 7 HANDLING AND STORAGE

HANDLING: Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed.
STORAGE: Store in a cool, dry place. Keep container closed when not in use.

SECTION - 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

EYE PROTECTION: Chemical Splash goggle in compliance with OSHA regulations are advised: however , OSHA regulations also permit other type safety glasses. Consult your safety representative.
SKIN PROTECTION: Wear rubber gloves (consult your safety equipment supplier). To prevent repeated or prolonged skin contact, wear impervious clothing and boots.
RESPITORY PROTECTION: If workplace exposure limits of product or any component are exceeded (see exposure guidelines), NIOSH/OSHA approved air supplied respirator is advised in the absence of proper environmental control. OSHA relations also permit other NIOSH/OSHA respirators (negative pressure type) under specific conditions (see your industrial hygienist). Engineering or administrative controls should be implemented to reduce exposure.
ENGINEERING CONTROLS: Provide sufficient mechanical (general and local exhaust) ventilation to maintain exposure below level of overexposure (from known, suspected or apparent adverse effects).

SECTION - 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR Thin, orange liquid with a citrus odor
PH CONCENTRATE 11.5 - 12.5
VAPOR PRESSURE Unknown
VAPOR DENSITY Unknown
BOILING POINT 212 Degrees Fahrenheit
SOLUBILITY IN WATER Complete
PERCENT VOLITILE 90%
SPECIFIC GRAVITY (H2O =1) 1.01 +/- 0.02

SECTION - 10 STABILITY AND REACTIVITY

CHEMICAL STABILITY Stable
CONDITIONS TO AVIOD Temperature Extremes
INCOMPATABILITY None
HAZARDOUD DECOMPOSITION Will not Occur
HAZARDOUS PLOYMERIZATION Will not Occur

SECTION - 11 TOXICOLOGICAL INFORMATION

NO DATA AVAILABLE

SECTION - 12 ECOLOGICAL INFORMATION

NO DATA AVAILABLE

SECTION - 13 DISPOSAL CONSIDERATION

Waste Disposal Information: Dispose of in accordance with all applicable Federal, State, and Local regulations.
RCRA Information: If this material becomes a waste, it would not be considered hazardous under 40 CFR 261.22.

SECTION - 14 TRANSPORT INFORMATION

DOT INFORMATION: 49 CFR 172.101
DOT Description:
33440 Class 55
DOT Hazard Class:
Non Hazardous
Hazardous Component:
None
REPORTABLE QUANTITY (RQ) - 49 CFR 172.101
Not Applicable

SECTION - 15 REGULATORY INFORMATION

US FEDERAL REGULATIONS
TSCA (Toxic Substances Control Act) Status
TSCA (United States) The intentional ingredients of this product are listed.
CERCLA RQ - 40 CFR 355 Appendix A None SARA 302 Components 40 CFR Appendix A None
Section 311/312 Hazard Class 40 CFR 370.2
Immediate (X) Delayed (X) Fire ( ) Reactivity ( ) Sudden Release of Pressure ( )
SARA 313 Components - 40 CFR 372 none

STATE AND LOCAL REGULATIONS
California Proposition 65 None California SCAQMD Rule 443.1 VOC's None
North Carolina Administrative Code 2D.1104 and 2B.0610 None
South Carolina Regulation 62.5 Standard Number 8 None

SECTION - 16 OTHER INFORMATION

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the
information is current, applicable and suitable to their circumstances.
This information was compiled from current manufacturer's MSDS's of the component parts of the product. as well as other sources, such as:
Code of Federal Regulations 29, Revised as of July 1. 1994.
Code of Federal Regulations 40, Revised as of July 1, 1994.
ACGIH, Guide to Occupational Exposure Values, 1996.
ANSI Z129.1-1994, Precautionary Labeling for Hazardous Industrial Chemicals.
Hazard Communication Handbook, A Right To Know Compliance Guide. Craig A. Moyer & Michael Francis. Clark Broadman Company. Ltd. New York, NY 1992
RCRA Regulations and Keyword Index, Compiled and Published by McCoy and Associates, Inc Lakewood, Colorado. 1992.