# MATERIAL SAFETY DATA SHEET

## SECTION I - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: BIG ORANGE ID NUMBER: DEGREASER & ODOR CONTROL PRODUCT USE/CLASS: CLEANER

MANUFACTURER: EST INC PO.BOX-11232 SHAWNEE MISSION, KS 66207 EMERGENCY TELEPHONE: -1-800-424-9300

PREPARER: REGULATORY COMPLIANCE PHONE: -913 677-4900 PREPARE DATE: 08/29/2014

## SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

| CHEMICAL NAME | CAS NUMBER | WT. PERCENT IS LESS THAN | TLV-TWA | TLV-STEL | PEL-TWA | SKIN DESIGNATION |
|---|---|---|---|---|---|---|
| TERPENE EXTRACT | 8052-41-3 | 30% TO 40% | NA | NA | NA | NO INFO |
| ORANGE EXTRACT | NA | 20% TO 50% | NA | NA | NA | NO INFO |

(See Section 11 for abbreviation legend)

## SECTION III - PHYSICAL DATA

BOILING RANGE: 82 – 125F VAPOR DENSITY: Is heavier than air ODOR: CHARACTERISTIC - ORANGE SPECIFIC GRAVITY: .81
APPEARANCE: ORANGE EVAPORATION RATE: Is slower than Ether SOLUBILITY IN H2O: NIL
(See Section XI for abbreviation legend)

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 105 F (TAGLIABUE CLOSED CUP) LOWER EXPLOSIVE LIMIT: NA UPPER EXPLOSIVE LIMIT: NA

EXTINGUISHING MEDIA: CO2 - DRY CHEMICAL - WATER FOG

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE KNOWN. SPECIAL FIREFIGHTING PROCEDURES: NONE KNOWN.

## SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE - EYE CONTACT: IRRITATION AND TEARING

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: MAY IRRITATE SENSITIVE SKIN.

EFFECTS OF OVEREXPOSURE - INHALATION: NONE KNOWN.

EFFECTS OF OVEREXPOSURE - INGESTION: MAY CAUSE MILD DIARRHEA (SOAP EFFECT).

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: NONE KNOWN.

FIRST AID - EYE CONTACT: FLUSH WITH WATER 15 MINUTES, LIFTING EYELIDS.

FIRST AID - SKIN CONTACT: FLUSH WITH WATER.

FIRST AID - INHALATION: NONE KNOWN.

FIRST AID - INGESTION: DRINK WATER. IF LARGE AMOUNTS ARE INGESTED, INDUCE VOMITING. CALL PHYSICIAN.

PRIMARY ROUTE (S) OF ENTRY: INHALATION INGESTION EYE CONTACT

## SECTION VI - REACTIVITY DATA

HAZARDOUS DECOMPOSITION PRODUCTS: MAY FORMS TOXIC MATERIALS: CARBON DIOXIDE AND CARBON MONOXIDE, HYDROGEN CHLORIDEPHOSGENE. CONDITIONS TO AVOID: HEAT AND POOR VENTILATION.
INCOMPATABILITY: NA. AVOID CONTACT WITH PLASTIC AND RUBBER SURFACES.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions. STABILITY: This product is stable under normal storage conditions.

(Continued on Page 2)

## SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: DIKE FOR RECOVERY, SOAKUP WITH NONCOMBUSTIBLE ABSORBENT.FLUSH AREA WITH WATER TO REMOVE TRACE RESIDUE.COLLECT FLUSH SOLUTION FOR DISPOSAL.

WASTE DISPOSAL METHOD: DISPOSE IN ACCORDANCE WITH APPROPRIATE FEDERAL, STATE AND LOCAL REGULATIONS.

## SECTION VIII - SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: AIR SUPPLIED RESPIRATOR IS REQUIRED.ALSO PERMITES OTHER NIOSH/MSHA UNDER SPECIFIEC ONDITIONS.
VANTILATION: PROVIDE SUFFICIENT GENERAL AND OR LOCAL EXHAUST VENTILATION TO MAINTAIN EXPOSURE BELOTLV (S) VAPORS ARE HEAVIER THAN AIR, EXHAUST AT FLOOR LEVEL.

## SECTION VIII - SAFE HANDLING AND USE INFORMATION

SKIN PROTECTION: SOLVENT –RESISTANT GLOVES REQUIRED.SUCH AS PVA OR PE/EVAL. EYE PROTECTION: SAFETY GLASSES OR GOGGLES.

OTHER PROTECTIVE EQUIPMENT: RUBBER GLOVES AND BOOTS REQUIRED
HYGENIC PRACTICES: WASH AFTER EACH USE.

## SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: STORE AWAY FROM HEAT AND MOISTURE.KEEP CONTAINER TIGHTLY CLOSED WHEN NOT DESPENSING PRODUCT. OTHER PRECAUTIONS: KEEP OUT OF SURFACE WATER AND WATER COURSES, OR SEWER ENTRANCE.

## SECTION X - HMIS RATINGS

HMIS RATINGS - HEALTH: 1 FLAMMABILITY: 1 REACTIVITY: 0

## SECTION XI - OTHER REGULATIONS

SARA SECTION 313: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

The information contained on this MSDS is been checked and should be accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the user to comply with all Federal, State, and Local laws and regulations.

<END OF MSDS>