

DONVIEW MANUFACTURING**3400 14TH AVE., SUITE 16 MARKHAM, ONTARIO L3R 0H7****MATERIAL SAFETY DATA SHEET****EMERGENCY PHONE NO: (905) 470-7925****PRODUCT NAME: ORANGE-KUTT****DATE: MARCH 1, 2017****PRODUCT USE: CLEANSER DEGREASER****CHEMICAL IDENTITY: ALCOHOL ETHOXYLATE, SODIUM METASILICATE, D-LIMONENE****WHMIS CLASSIFICATION: N/A****TDG CLASSIFICATION: NOT DANGEROUS GOODS****HAZARDOUS INGREDIENTS:**

CHEMICAL IDENTITY	APPROX % CONCENTRA- TION	CAS. #	EXPOSURE LIMITS	LD50 OF MATERIAL (SPECIES/ROUTE)
ALCOHOL ETHOXYLATE	5-10%	68131-39- 5	NOT A GAS OR AERSOL	LD50 (ORAL RAT) 3000 MG/KG LD50(DERMAL RABBIT) 2830 MG/KG
METSO BEADS	1-5% N	6834-92-0	N/A	N/A
D-LIMONENE	1-5%	5989-27-5	N/A	N/A

PHYSICAL DATA:**PHYSICAL STATE: LIQUID****ODOUR AND APPEARANCE: CLEAR ORANGE LIQUID, CITRUS ODOUR****ODOUR THRESHOLD: NOT AVAILABLE**

SPECIFIC GRAVITY (H2O EQUALS 1): .84-.88

VAPOUR DENSITY: N/A

BOILING POINT: 180 DEGREES C

FREEZING POINT: 3 DEGREES C

PH: 12-13

WATER SOLUBILITY (20 C): SOLUBLE

MSDS OF ORANGE-KUTT CONTINUED: PAGE 2

FIRE OR EXPLOSION HAZARD:

CONDITIONS OF FLAMMABILITY: NONE

MEANS OF EXTINCTION: NOT FLAMMABLE. USE WATER SPRAY, FOAM, DRY CHEMICAL.

UPPER FLAMMABLE LIMIT: N/A

LOWER FLAMMABLE LIMIT: N/A

AUTO IGNITION TEMPERATURE: N/A

FLASH POINT AND METHOD: N/A

HAZARDOUS COMBUSTION PRODUCTS: CARBON OXIDES

EXPLOSION DATA: NO SENSITIVITY TO MECHANICAL IMPACT OR STATIC DISCHARGE.

REACTIVITY DATA:

CHEMICAL STABILITY: AVOID HIGH HEAT CONDITIONS

INCOMPATIBLE SUBSTANCES: AVOID CONTAMINATION WITH STRONG OXIDIZING AGENTS

REACTIVITY AND CONDITIONS OF REACTIVITY: AVOID CONTAMINATION WITH REACTIVE SUBSTANCE

HAZARDOUS DECOMPOSITION PRODUCTS: NONE

TOXICOLOGICAL PROPERTIES:

ROUTES OF ENTRY: EYES, INGESTION

EFFECTS OF ACUTE EXPOSURE: IRRITANT TO RABBITS EYES 2 MG, 250 MG
DRAIZE TESTS PP 211 HSEAMS

SKIN CONTACT: DRYNESS OF SKIN

SKIN ABSORPTION: LD50 (DERMAL RABBIT) 2830 MG/KG

EYE CONTACT: SLIGHTLY IRRITATING, BUT DOES NOT CAUSE TISSUE DAMAGE

INHALATION: N/A

INGESTION: LOW ORDER OF TOXICITY, HOWEVER MINUTE AMOUNTS ASPIRED
INTO LUNGS DURING SWALLOWING

EFFECTS OF CHRONIC EXPOSURE: DELAYED IRRITATION TO EYES IF NOT
WASHED WITH WATER REGULARLY.

EXPOSURE LIMITS OF PRODUCT: NOT AVAILABLE. SEE HAZARDOUS
MATERIALS SECTION.

IRRITANCY OF PRODUCT: NONE

SENSITIZATION OF PRODUCT: NONE

**CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY,
MUTAGENICITY:** NOT AVAILABLE

MSDS OF ORANGE-KUTT CONTINUED: PAGE 3

PREVENTIVE MEASURES:

PERSONAL PROTECTIVE EQUIPMENT: WEAR EYE GOGGLES WHEN HANDLING
THIS PRODUCT

SPECIFIC ENGINEERING CONTROLS: NONE

LEAK AND SPILL PROCEDURE: CONTAIN SPILL OR LEAK. MOP UP INTO DRUMS.
WASH DOWN RESIDUE WITH WARM WATER.

WASTE DISPOSAL: SEND TO AUTHORIZED WASTE DISPOSAL AGENCY FOR
DISPOSAL ACCORDING TO PROVINCIAL AND LOCAL REGULATIONS.

HANDLING PROCEDURES & EQUIPMENT: NONE

**STORAGE REQUIREMENTS: KEEP CONTAINER SEALED WHEN NOT IN USE,
STORE AT ROOM TEMPERATURE OF 20-30 DEGREES C.**

FIRST AID MEASURES:

SKIN CONTACT: RINSE WITH WATER

EYE CONTACT: FLUSH WITH WATER FOR 15 MINUTES AND CALL A PHYSICIAN

**INHALATION: REMOVE TO FRESH AIR, OBTAIN MEDICAL ATTENTION IF
IRRITATION PERSISTS.**

**INGESTION: DRINK ONE GLASS OF WATER IMMEDIATELY. DO NOT INDUCE
VOMITING. KEEP AT REST AND CALL A PHYSICIAN.**

PREPARATION INFORMATION:

**PREPARED BY TERRENCE R. HANNA: DONVIEW MANUFACTURING : MARCH 1,
2017 SIGNATURE:**

SOURCES USED: - REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES

- HUMAN SAFETY AND ENVIRONMENTAL ASPECTS OF MAJOR SURFACTANTS