

# MATERIAL SAFETY DATA SHEET

## SECTION I - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **KWIK ORANGE** ID NUMBER: 4500 PRODUCT USE/CLASS: HAND CLEANER  
MANUFACTURER: CHEMICAL UNIVERSE 1133 SALINE N. KANSAS CITY, MO 64116 EMERGENCY TELEPHONE: 816-820-0332  
PREPARED BY: Regulatory Dept. PHONE: 816-471-3602 PREPARE DATE: 12/01/04

## SECTION II - HAZARDOUS COMPOSITION/ INGREDIENTS

CHEMICAL NAME	CAS NUMBER	WT. PERCENT IS LESS THAN	TLV-TWA	TLV-STEL	PEL-TWA	SKIN DESIGNATION
d-Limonene	5989-27-5	< 5	None Est	None Est	None Est	NO

(See Section 11 for abbreviation legend)

## SECTION III - PHYSICAL DATA

BOILING RANGE: 212 - 237 F VAPOR DENSITY : Is heavier than air ODOR: CITRUS SPECIFIC GRAVITY: 1.06  
APPEARANCE: NATURAL VISCOUS LIQUID EVAPORATION RATE: SLOWER THAT ETHER SOLUBILITY IN H2O : COMPLETE

(See Section XI for abbreviation legend)

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: > 250 F LOWER EXPLOSIVE LIMIT: N.A. UPPER EXPLOSIVE LIMIT: N.A.

EXTINGUISHING MEDIA: CO2 DRY CHEMICAL FOAM WATER FOG

UNUSUAL FIRE AND EXPLOSION HAZARDS: THIS PRODUCT NONCOMBUSTIBLE. IT MAY DECOMPOSE RELEASING OXYGEN, INTENSIFYING THE FIRE. A STRONG OXIDIZER, IT MAY INITIATE COMBUSTION OF ORGANIC MATERIALS OR EXPLOSION OF FLAMMABLE LIQUIDS.

SPECIAL FIREFIGHTING PROCEDURES: COOL CONTAINERS IN VICINITY TO PREVENT OVERHEATING. FIREFIGHTERS SHOULD WEAR SELF CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING.

## SECTION V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE - EYE CONTACT: EYE CONTACT WILL CAUSE IRRITATION.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: NONE KNOWN

EFFECTS OF OVEREXPOSURE - INHALATION: EXCESSIVE INHALATION MAY IRRITATE RESPIRATORY TRACT. POSSIBLE NAUSEA, DIZZINESS.

EFFECTS OF OVEREXPOSURE - INGESTION: CORROSIVE. LARGE QUANTITIES COULD CAUSE SEVERE PAIN, NAUSEA.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: No Information.

FIRST AID - EYE CONTACT: FLUSH WITH WATER 10-20 MINUTES, LIFTING EYELIDS. GET MEDICAL ATTENTION.

FIRST AID - SKIN CONTACT: FLUSH WITH WATER 10 MINUTES. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.

FIRST AID - INHALATION: REMOVE TO FRESH AIR.

FIRST AID - INGESTION: DO NOT INDUCE VOMITING. GIVE LARGE QUANTITIES OF WATER OR MILK. IF VOMITING OCCURS SPONTANEOUSLY, KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION. GET MEDICAL ATTENTION.

PRIMARY ROUTE(S) OF ENTRY: INGESTION EYE CONTACT

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SECTION VI - REACTIVITY DATA

HAZARDOUS DECOMPOSITION PRODUCTS: No Information.

CONDITIONS TO AVOID: NONE KNOWN

INCOMPATIBILITY: NONE KNOWN

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

STABILITY: This product is not stable under normal storage conditions.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: PREVENT SPILLS FROM ENTERING SEWERS, OR ANY UNAUTHORIZED WATER SYSTEMS. SPILL MAY BE ABSORBED ONTO APPROPRIATE ABSORBENT MATERIAL.

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

SECTION VIII - SAFE HANDLING AND USE INFORMATION

RESPIRATORY PROTECTION: NONE NEEDED

VENTILATION: NO SPECIAL REQUIREMENTS

SKIN PROTECTION: NONE

EYE PROTECTION: SAFETY GLASSES WITH SIDE SHIELDS OR FACE SHIELD RECOMMENDED.

OTHER PROTECTIVE EQUIPMENT: NONE KNOWN

HYGENIC PRACTICES: WASH AFTER EACH USE.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: STORE IN A COOL DRY AREA KEEP AWAY FROM SPARKS AND OPEN FLAMES.

OTHER PRECAUTIONS: OBEY ALL HAZARD WARNINGS WHEN CONTAINERS ARE EMPTIED.

SECTION X - HMIS RATINGS

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

----- CHEMICAL NAME -----	CAS NUMBER	WT/WT %
No SARA Section 313 components exist in this product.		

PREVIOUS MSDS REVISION DATE: 11/17/97

LEGEND: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

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