

MATERIAL SAFETY DATA SHEET

PRODUCT IDENTITY / TRADE NAME: MEGACLEAN ACTIVE

MANUFACTURER: KIWO, INC.

ADDRESS: 1929 MARVIN CIRCLE, P.O. BOX 1009, SEABROOK, TX 77586

INFORMATION TELEPHONE NUMBER: 281-474-9777

HAZARDOUS INGREDIENTS

	%RANGE	CAS NUMBER
FATTY ALCOHOL ETHER	2-22%	68439-50-9,68439-45-2
2(2-METHOXYMETHYLETHOXY)- METHYLETHOXYPROPANOL	15-35%	25498-49-1
N-METHYL PYRROLIDONE	5-25%	872-50-4
SODIUM HYDROXIDE	1-21%	1310-73-2

BOILING POINT: 200°C (392°F) VAPOR PRESSURE: < 0.01 MM HG @ 20°C
 SOLUBILITY: 100% IN WATER DENSITY: 1.02 G/CM³
 APPEARANCE AND ODOR: LIGHT YELLOW TO BEIGE PASTE, MILD AMINE ODOR

PHYSICAL HAZARD DATA

COMPRESSED GAS: NO PYROPHORIC: NO OXIDIZER: NO
 ORGANIC PEROXIDE: NO FLAMMABLE/COMBUSTIBLE: YES

FLASH POINT: >200°F (93°C)

EXTINGUISHING MEDIA: CO₂, DRY CHEMICAL, FOAM, WATER FOG

SPECIAL FIREFIGHTING PROCEDURES: WEAR SCBA AND FULL PROTECTIVE EQUIPMENT. COOL FIRE EXPOSED CONTAINERS WITH WATER FOG.

EXPLOSIVE: YES LEL: 1.2 % UEL: 12.0%

REACTIVITY/INCOMPATIBILITY: STRONG OXIDIZING AGENTS, STRONG ACIDS.

HAZARDOUS DECOMPOSITION PRODUCTS: COMBUSTION PRODUCTS CAN INCLUDE CO, CO₂,

SPECIAL STORAGE PRECAUTIONS: KEEP CONTAINERS CLOSED. STORE IN A COOL, DRY, WELL-VENTILATED PLACE AWAY FROM HEAT OR SOURCES OF IGNITION AND INCOMPATIBLE MATERIALS.

HEALTH HAZARD DATA

ACUTE EFFECTS OF OVEREXPOSURE: CAUSES IRRITATION AND BURNS ON SKIN AND MUCOUS MEMBRANES. EYE CONTACT CAN CAUSE BURNS AND CORNEAL DAMAGE.

INHALATION OF MIST CAN CAUSE RESPIRATORY IRRITATION, CENTRAL NERVOUS SYSTEM, DEPRESSION, HEADACHE, DIZZINESS, DROWSINESS, NAUSEA.

CHRONIC EFFECTS OF OVEREXPOSURE: REPEATED, PROLONGED, EXCESSIVE EXPOSURE MAY RESULT IN KIDNEY DAMAGE.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: EXISTING DERMATITIS MAY BE AGGRAVATED. MAY AGGRAVATE EXISTING KIDNEY OR BLADDER DISEASE.

PRIMARY ROUTE(S) OF EXPOSURE: EYE, SKIN, INHALATION, CAN BE ABSORBED THROUGH INTACT SKIN.

LISTED CARCINOGEN: NO

EXPOSURE LIMITS:

OSHA PEL: SODIUM HYDROXIDE - 2 MG/M3 (INHALATION, MIST)

ACGIH TLV: SODIUM HYDROXIDE - 2 MG/M3 CEILING

FIRST AID: EYE-FLUSH WITH WATER 30 MINUTES THEN SEEK MEDICAL ATTENTION IMMEDIATELY. SKIN-REMOVE CONTAMINATED CLOTHING WHILE WASHING UNDER SAFETY SHOWER, WASH AREAS THOROUGHLY, SEEK MEDICAL ATTENTION. INHALATION-REMOVE TO FRESH AIR, GIVE ARTIFICIAL RESPIRATION IF NEEDED, SEEK MEDICAL ATTENTION IF SYMPTOMS PERSIST. INGESTION-DO NOT INDUCE VOMITING-GIVE WATER TO DILUTE AND SEEK IMMEDIATE MEDICAL ATTENTION.

SAFE HANDLING PROCEDURES

HYGIENIC PRACTICES: USE RECOMMENDED PROTECTIVE EQUIPMENT, AVOID CONTACT.

SPECIAL PROTECTIVE MEASURES DURING REPAIR/MAINTENANCE OF CONTAMINATED EQUIPMENT: USE RECOMMENDED PROTECTIVE EQUIPMENT, AVOID CONTACT.

SPILL HANDLING/CLEAN-UP: REMOVE ALL SOURCES OF IGNITION, VENTILATE, CONTAIN SPILL, NEUTRALIZE, ABSORB, PICK UP AND PLACE IN CONTAINERS FOR DISPOSAL. KEEP ALL SOURCES OF IGNITION AWAY UNTIL ALL VAPORS HAVE DISSIPATED.

CONTROL MEASURES

RECOMMENDED ENGINEERING CONTROLS: GOOD GENERAL VENTILATION SHOULD BE SUFFICIENT (APPROXIMATELY 10 AIR CHANGES PER HOUR). EYE WASH & SAFETY SHOWER SHOULD BE LOCATED NEAR AREA OF USE.

RECOMMENDED WORK PRACTICES: KEEP CONTAINERS CLOSED WHEN NOT IN USE. NO SMOKING OR IGNITION SOURCES IN USE AREAS. AVOID CREATING MIST OR SPLATTERING MATERIAL. USE PROTECTIVE CLOTHING AND AVOID CONTACT WITH MATERIAL.

RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATORY PROTECTION: RESPIRATOR SELECTION DEPENDS ON CONTAMINANT TYPES AND FORM. IF NEEDED, CONSULT AN INDUSTRIAL HYGIENIST FOR ASSISTANCE IN SELECTION AND USE.

GLOVES: RUBBER GLOVES OR OTHER RECOMMENDED FOR USE WITH STRONG ALKALIS.

EYE PROTECTION: CHEMICAL SPLASH GOGGLES MUST BE USED.

OTHER: CHEMICAL PROTECTIVE APRON OR OTHER CLOTHING MAY BE USED AS NEEDED.

COMMENTS: FOR INDUSTRIAL/COMMERCIAL USE ONLY

REGULATORY STATUS

TSCA - ALL INGREDIENTS OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY

THE FOLLOWING CHEMICAL INGREDIENTS ARE REGULATED UNDER PROPOSITION 65 OF THE STATE OF CALIFORNIA

NONE

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICALS 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 (SARA 313 - TOXIC CHEMICAL RELEASE REPORTING.)

SODIUM HYDROXIDE 1310-73-2

VOC CONTENT - 3.85 LBS/GAL 462 G/L

DATE PREPARED/UPDATED: FEBRUARY 13, 2003
PREPARED BY: CLARK KING, EXEC. V.P., KIWO, INC.