



MATERIAL SAFETY DATA SHEET

OPTI-KLEEN

REVISION DATE 1/11/2003

SECTION 1

MANUFACTURER INFORMATION

Mid-West Solutions, Inc. 11193 Lawrence Dr. Crown Point, IN 46307 (219)661-8230
24 Hour HAZARDOUS EMERGENCY (SPILL/LEAK/FIRE/EXPOSURE/ACCIDENT) 1-800-451-8346

SECTION 2

PRODUCT IDENTIFICATION

PRODUCT # OPTI-KLEEN
CHEMICAL NAME BIOFILM CLEANER
SYNONYMS NA
CHEMICAL FAMILY CLEANING COMPOUND, OTHER THAN LIQUID
NFPA HEALTH HAZARD 1
FIRE HAZARD 0
REACTIVITY HAZARD 1

NFPA SCALE.....4=EXTREME.....3=HIGH.....2=MODERATE....1=SLIGHT....0=INSIGNIFICANT

SECTION 3

HAZARDOUS INGREDIENTS

CHEMICAL NAMES	CAS #	% WT	TLV	ITVA	PEL	SEC. 313	CARCINOGEN?
trade secret, INORGANIC PEROXYGEN COMPOUND trade secret Calcium Sequestrant							

END OF HAZARDOUS INGREDIENTS

SECTION 4

SHIPPING DATA

D.O.T. PROPER SHIPPING Not regulated
D.O.T. HAZARD CLASS NA
D.O.T. LABELS REQUIRED NA
UN NA I.D. NUMBER NA
PACKAGING GROUP NA
SHIPPING DOCUMENTATION Cleaning Compound, other than liquid

SECTION 5

PHYSICAL DATA

BOILING FREEZING POINT @ 760mmHg NA
PH 10.1%
VAPOR PRESSURE mmHg@20C NA
VAPOR DENSITY AIR is1 NA
PERCENT VOLATILE BY WEIGHT NA
SPECIFIC GRAVITY @ 20C 1.33-1.35
SOLUBILITY IN WATER Appreciable
EVAPORATION RATE <1
APPEARANCE IODOR White SOLID ENCAPSULATE

SECTION 6
FIRE AND EXPLOSIVE HAZARD DATA

FLASH POINT TEST METHOD	NA
AUTOIGNITION TEMPERATURE	NA
FLAMMABILITY LIMITS IN AIR PERCENT	V NA
EXTINGUISHING MEDIA	NA
SPECIAL FIREFIGHTING PROCEDURES	THIS PRODUCT IS NOT COMBUSTIBLE, WILL SUPPLY OXYGEN
UNUSUAL FIRE IEXPLOSION HAZARDS	ABOVE

SECTION 7
REACTIVITY DATA

PRODUCT STABILITY	STABLE
CONDITIONS TO AVOID	EXCESSIVE HEAT
CHEMICAL INCOMPATIBILITY	ORGANIC WHICH MAY OXIDIZE EASILY, EG SAWDUST, SOLVENTS, SURFACTANTS
HAZARDOUS DECOMPOSITION	EXTREME THERMAL DECOMPOSITION COULD RESULT IN OXIDES OF CARBON
HAZARDOUS POLYMER	WILL NOT OCCUR
CORROSIVE TO STEEL	NA

SECTION 8
HEALTH HAZARD DATA

SKIN CONTACT	MAY CAUSE MILD TO MODERATE IRRITATION UPON CONTACT
EYE CONTACT	WILL CAUSE IMMEDIATE IRRITATION AND POSSIBLE DAMAGE WITH PROLONGED EXP.
INHALATION	AIRBORNE MISTS MAY CAUSE IRRITATION TO RESPIRATORY PASSAGES
INGESTION	SAFETY SHOWERS AND EYE WASH SHOULD BE ACCESIBLE

SECTION 9
EMERGENCY AND FIRST AID PROCEDURES

SKIN	WASH TWICE WITH SOAP AND WATER ,IF IRRITATION OCCURS SEE A DOCTOR
EYES	IMMEDIATELY FLUSH EYES FOR 15 MINUTES,FAST RESPONSE IS NEEDED
INGESTION2	REMOVE TO FRESH AIR,PROVIDE OXYGEN
INHALATION2	WASHOUT MOUTH AND OTHER CONTACT PARTS ,DO NOT INDUCE VOMITING

SECTION 10
ENVIORNMENTAL DATA

SPILLILEAK PROCEDURE	CLEAN-UP REUSE ANY MATERIAL
WASTE DISPOSAL METHOD	DISPOSE OF IN ACCORDANCE WITH ALL STATE,FEDERAL LOCAL REG
HAZARDOUS WASTE 40CRF261	NOT REGARDED AS HAZARDOUS WASTE
CONTAINER DISPOSAL	TRIPLE RINSE,OFFER FOR RECYCLE

SECTION 11
SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION	DUST MASK
VENTILATION	RECOMMENDED
PROTECTIVE CLOTHING	HEAVY DUTY PVC,RUBBER OR SIMILAR FOR DIRECT USAGE
EYE PROTECTION	CHEMICAL SPLASH GOGGLES ARE ALWAYS RECOMMENDED
OTHER PRECAUTIONS	AVOID DIRECT SUNLIGHT OF CONTAINER

SECTION 12
SUPPLIER INFORMATION

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