



**Recovery Systems, Inc.**

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# MATERIAL SAFETY DATA SHEET

## DK-50

Emergency Telephone Number: (800) 424-9300

Latest Revision: 4 June 2002

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SECTION 1: PRODUCT IDENTIFICATION									
PRODUCT NAME OR NUMBER	DK-50								
TRADE NAME OR CHEMICAL NAME	DK-50								
SYNONYMS	None								
FORMULA	Proprietary								
CHEMICAL FAMILY	Alkali Cleaner								
MOLECULAR WEIGHT	N/A								
NFPA	See Section 8								
HMS RATING	See Section 8								
SECTION 2: HAZARDOUS INGREDIENTS AND HAZARD DATA									
	CAS				SEC.				PROP.
CHEMICAL NAME	NUMBER	% WT	TLV-AACGIH	PEL-OSHA	313	NTP	IARC		43
Sodium Nitrate	7320-00-0	<10	N/A	N/A	Yes	No	No		No
Sodium Metasilicate	5834-92-0	<10	N/A	N/A	No	No	No		No
Trisodium Phosphate	10101-89-0	<15	N/A	N/A	No	No	No		No
SECTION 3: REGULATORY DATA									
NTP	NATIONAL TOXICOLOGY PROGRAM								
IARC	INTERNATIONAL AGENCY FOR RESEARCH ON CANCER								
PROPOSITION 65	THIS PRODUCT DOES NOT CONTAIN INGREDIENTS ON THE LIST OF PROPOSITION 65, STATE OF CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986								
SECTION 313, SARA TITLE III	THE CHEMICAL(S) MARKED WITH A "YES" ON SECTION 313 ARE SUBJECT TO THE REPORTING REQUIREMENTS OF THIS SECTION								
SECTION 4: PHYSICAL DATA									
BOILING/MELTING POINT	N/A								
Ph	>11.5% at recommended dilution								
PERCENT VOLATILE BY WEIGHT (%)	N/A								
SPECIFIC GRAVITY OR BULK DENSITY	N/A								
SOLUBILITY IN WATER	COMPLETE								
APPEARANCE	WHITE, FREE FLOWING POWDER								
ODOR	NONE								
SECTION 5: FIRE AND EXPLOSION HAZARD DATA									
FLASH POINT OF	N/A								
AUTOIGNITION TEMPERATURE	N/A								
FLAMMABILITY LIMITS IN AIR (%V)	NOT DETERMINED								
EXTINGUISHING MEDIA	WATER, CARBON DIOXIDE, FOAM, DRY CHEMICAL								
UNUSUAL FIRE & EXPLOSIVE HAZARD	EXTINGUISH ALL NEARBY SOURCES OF IGNITION								

**SECTION 6, HEALTH HAZARD DATA – EFFECTS OF OVEREXPOSURE**

THRESHOLD LIMIT VALUE.....SEE SECTION 2

**SIGN AND SYMPTOMS OF EXPOSURE**

EYES.....DIRECT CONTACT WITH CONCENTRATED PRODUCT MAY CAUSE MODERATE IRRITATION AND TEARING.  
 SKIN.....REPEATED OR PROLONGED CONTACT MAY CAUSE IRRITATION  
 INHALATION.....BREATHING DUST OR MIST MAY IRRITATE THE NOSE & THROAT.  
 INGESTION.....SWALLOWING OF LARGE QUANTITY MAY CAUSE NAUSEA, VOMITING, DIARRHEA AND ABDOMINAL PAIN.  
 CRONIC OVEREXPOSURE.....NONE KNOWN.

**SECTION 7, EMERGENCY AND FIRST AID PROCEDURES**

INHALATION.....MOVE VICTIM TO FRESH AIR AND OBTAIN MEDICAL HELP  
 EYES.....FLUSH EYES WITH A LARGE AMOUNT OF WATER FOR AT LEAST 15 MINUTES. REMOVE ANY CONTACT LENS, CONTINUE WITH FLUSH. CONSULT A PHYSICIAN.  
 SKIN.....WASH AFFECTED SKIN AREAS WITH WATER FOR 15 MIN. REMOVE CONTAMINATED CLOTHING & FOOTWEAR. GET MEDICAL ATTENTION. WASH CLOTHING BEFORE REUSE.  
 INGESTION.....NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. DO NOT INDUCE VOMITING. GIVE LARGE QUANTITIES OF WATER & GET MEDICAL IMMEDIATELY.

**SECTION 8, HMIS RATING SYSTEM**

HMIS RATING

HEALTH HAZARD.....2  
 FIRE HAZARD.....0  
 REACTIVITY.....I  
 PERSONAL PROTECTION.....SEE SECTION 10

NFPA



**SECTION 9, REACTIVITY DATA**

PRODUCT STABILITY.....STABLE  
 CONDITIONS TO AVOID.....EXCESSIVE HEAT OR SPARKS  
 CHEMICAL INCOMPATIBILITY.....CONCENTRATED ACIDS  
 HAZARDOUS DECOMPOSITION PRODUCTS.....OXIDES OF CARBON, OXIDES OF SULFUR WHEN HEATED  
 HAZARDOUS POLYMERIZATION.....WILL NOT OCCUR  
 CORROSIVE TO METAL.....NO  
 OXIDIZER.....NO

**SECTION 10, SPECIAL PROTECTION INFORMATION**

RESPIRATORY PROTECTION.....AVOID BREATHING VAPOR OR MIST. FOR SPILL OR EMERGENCY, USE NIOSE APPROVED RESPIRATOR WHEN AIRBORNE EXPOSURE LIMITS ARE EXCEEDED.

VENTILATION: LOCAL EXHAUST.....RECOMMENDED

PROTECTIVE CLOTHING.....CHEMICAL SAFETY GOGGLES AND RUBBER GLOVES

**SECTION 11, ENVIRONMENTAL DATA**

ENVIRONMENTAL TOXICITY DATA.....NONE KNOWN  
SPILL OR LEAK PROCEDURES.....CONTAIN, COLLECT AND DISPOSE PER LOCAL, STATE AND FEDERAL REGULATIONS.  
WASTE DISPOSAL METHODS.....PER LOCAL, STATE AND FEDERAL REGULATIONS.  
CONTAINER DISPOSAL.....PER LOCAL, STATE AND FEDERAL REGULATIONS.

**SECTION 12, SHIPPING DATA**

D.O.T. PROPER SHIPPING NAME..... CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (SODIUM METASILICATE)

HAZARDOUS SUBSTANCES 49CFR CERCLA NONE

D.O.T. HAZARD CLASS..... 8  
D.O.T. LABELS REQUIRED..... CORROSIVE  
D.O.T. PLACARDS REQUIRED..... CORROSIVE

POISON CONSTITUENT.....NONE

BILL OF LADING DESCRIPTION..... DK-50

PACKING GROUP..... II

UN/NA CODE..... UN 3262

**SECTION 13, SUPPLIER INFORMATION**

Worldwide Recovery Systems, Inc supplies DK-50. For additional information call (866) 909-2783