CAUSTIC POTASH 45% LIQUID

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This MSDS complies with 29 CFR 1910.1200 (The Hazard Communication Standard)

Product Name: CAUSTIC POTASH 45% LIQUID
Product Number: 1310-38-3

HAYS REPUBLIC
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DATE 06 07 91 4112557-498
DATA SHEET NO. 2005575-002
LATEST REVISION DATE: 05/30-36003
PRODUCT: REGST
INVOICE: REGST
INVOICE DATE: 07/19/86

IDENTIFICATION

General or Generic ID: ALKALI
DOT Hazard Classification: Corrosive Material (173.240)

SECTION II-COMPONENTS

Ingredient % (by wt) PEL TLV
Potassium Hydroxide 45
CAS #: 1310-38-3

(1): PEL NOT ESTABLISHED FOR THIS MATERIAL

SECTION III-PHYSICAL DATA

Property Refinement Measurement
Boiling Point (271.00 DEG F) 132.77 DEG C
9 780.00 MMHG
Vapor Pressure (2.00 MMHG)
68.99 DEG F
Specific Vapour Density (20.00 DEG C)
Specific Gravity (1.450)
Percent Volatiles (68.99 DEG F)
Evaporation Rate (20.00 DEG C)

SECTION IV-FIRE AND EXPLOSION INFORMATION

FLASH POINT: NOT APPLICABLE
EXPLOSIVE LIMIT: NOT APPLICABLE
EXTINGUISHING MEDIA: WATER FOG
FIREFIGHTING PROCEDURES: WATER MAY BE USED TO KEEP FIRE-EXPOSED CONTAINERS COOL UNTIL FIRE IS OUT.
WEAR SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE OPERATED IN PRESSURE-DEMAND OR OTHER POSITIVE PRESSURE MODE WHEN FIGHTING FIRES.
SPECIAL FIRE & EXPLOSION HAZARDS: CAN REACT WITH CHEMICALLY REACTIVE METALS SUCH AS ALUMINUM, ZINC, MAGNESIUM, COPPER ETC. TO RELEASE HYDROGEN GAS WHICH CAN FORM EXPLOSIVE MIXTURES WITH AIR.

NFPA CODES: HEALTH- 3 FLAMMABILITY- 0 REACTIVITY- 1

SECTION V-HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE
2 MG/M3 - CEILING

SEE SECTION II

EFFECTS OF ACUTE EXPOSURE: FOR PRODUCT

EYES - CAUSES SEVERE DAMAGE AND EVEN BLINDNESS VERY RAPIDLY.
SKIN - CAUSES BURNS, POSSIBLE DEEP ULCERATION.
INHALED - DAMAGE TO NASAL AND RESPIRATORY PASSAGES.
SWALLOWED - OF MIST OR DUST CAN CAUSE SEVERE DAMAGE TO MUCOUS MEMBRANES AND DEEP TISSUES, CAN RESULT IN DEATH ON PENETRATION TO VITAL AREAS.

FIRST AID:

IF ON SKIN: IMMEDIATELY FLUSH EXPOSED AREA WITH WATER FOR AT LEAST 15 MINUTES, GET MEDICAL ATTENTION. REMOVE CONTAMINATED CLOTHING. LAUNDER CONTAMINATED CLOTHING BEFORE RE-USE.
IF IN EYES: IMMEDIATELY FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES, LIFTING UPPER AND LOWER LIDS OCCASIONALLY. GET IMMEDIATE MEDICAL ATTENTION.

IF SWALLOWED: DO NOT INDUCE VOMITING. VOMITING WILL CAUSE FURTHER DAMAGE TO THE THROAT. DILUTE BY GIVING WATER. GIVE MILK OF MAGNESIA. KEEP WARM, QUIET. GET MEDICAL ATTENTION IMMEDIATELY.

IF INHALED: IF AFFECTED, REMOVE INDIVIDUAL TO FRESH AIR. IF BREATHING IS DIFFICULT, GIVE INTERMITTENT OXYGEN. IF BREATHING HAS STOPPED GIVE ARTIFICIAL RESPIRATION. KEEP PERSON WARM, QUIET AND GET MEDICAL ATTENTION.

SECTION VI-REACTIVITY DATA

HAZARDOUS POLYMERIZATION: CANNOT OCCUR

STABILITY: STABLE

INCOMPATIBILITY: AVOID CONTACT WITH: STRONG MINERAL ACIDS, ORGANIC MATERIALS, REACTIVE METALS SUCH AS ALUMINUM AND MAGNESIUM, ORGANIC MATERIALS, STRONG ORGANIC ACIDS, COPPER

SECTION VII-SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

SMALL SPILL: NEUTRALIZE AND MOP UP. SOLUTION.

LARGE SPILL: PERSONS NOT WEARING PROTECTIVE EQUIPMENT SHOULD BE EXCLUDED FROM AREA OF SPILL UNTIL CLEAN-UP IS COMPLETED. STOP SPILL AT SOURCE. DIBE TO PREVENT SPREADING. PUMP TO SALVAGE TANK.

WASTE DISPOSAL METHOD:

SMALL SPILL: NEUTRALIZE WITH 6% HYDROCHLORIC ACID AND FLUSH DOWN DRAIN WITH EXCESS WATER IN ACCORDANCE WITH APPLICABLE REGULATIONS.

LARGE SPILL: PUMP INTO A LARGE TANK OF WATER AND NEUTRALIZE. FLUSH TO DRAIN WITH LARGE EXCESS OF WATER IN ACCORDANCE WITH APPLICABLE REGULATIONS.

SECTION VIII-PROTECTIVE EQUIPMENT TO BE USED

RESPIRATORY PROTECTION: IF TLV OF THE PRODUCT OR ANY COMPONENT IS EXCEEDED, A NIOSH/MSHA JOINTLY APPROVED AIR SUPPLIED RESPIRATOR IS ADVISED IN ABSENCE OF PROPER ENVIRONMENTAL CONTROL. OSHA REGULATIONS ALSO PERMIT OTHER NIOSH/MSHA RESPIRATIONS UNDER SPECIFIED CONDITIONS. (SEE YOUR SAFETY EQUIPMENT SUPPLIER).

ENGINEERING OR ADMINISTRATIVE CONTROLS SHOULD BE IMPLEMENTED TO REDUCE EXPOSURE.

VENTILATION: PROVIDE SUFFICIENT MECHANICAL (GENERAL AND/OR LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV's.

PROTECTIVE GLOVES: WEAR RESISTANT GLOVES SUCH AS: NATURAL RUBBER, NEOPRENE.

EYE PROTECTION: CHEMICAL SPLASH GOGGLES AND FACE SHIELD (B' MTL.) IN COMPLIANCE WITH OSHA REGULATIONS ARE ADVISED. HOWEVER, OSHA REGULATIONS ALSO PERMIT OTHER EYE PROTECTION OPTIONS. (CONSULT YOUR SAFETY EQUIPMENT SUPPLIER)

OTHER PROTECTIVE EQUIPMENT: TO PREVENT SKIN CONTACT, WEAR IMPERVIOUS CLOTHING AND BOOTS.

SECTION IX-SPECIAL PRECAUTIONS OR OTHER COMMENTS

CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTYED. SINCE EMPTYED CONTAINERS RETAIN PRODUCT RESIDUES (VAPOR, LIQUID, AND/OR SOLID), ALL HAZARD PRECAUTIONS GIVEN IN THE DATA SHEET MUST BE OBSERVED.

THE INFORMATION ACCUMULATED HEREIN IS BELIEVED TO BE ACCURATE BUT IS NOT WARRANTED TO BE WHETHER ORIGINATING WITH THE COMPANY OR NOT. RECIPIENTS ARE ADVISED TO CONFIRM IN ADVANCE OF NEED THAT THE INFORMATION IS CURRENT, APPLICABLE, AND SUITABLE TO THEIR CIRCUMSTANCES.