

Lloyds Laboratories Inc.

Manufacturers of Environmentally Responsible Lubricants

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MATERIAL SAFETY DATA SHEET**SECTION 1 – MATERIAL IDENTIFICATION AND USE**

MATERIAL NAME/IDENTIFIER		H.P. ACTIVATOR PART # 84350	
MANUFACTURER'S NAME LLOYDS LABORATORIES INC.		SUPPLIER'S NAME LLOYDS LABORATORIES INC.	
STREET ADDRESS 613 NEAL DRIVE		STREET ADDRESS 613 NEAL DRIVE	
CITY PETERBOROUGH	PROVINCE ONTARIO	CITY PETERBOROUGH	PROVINCE ONTARIO
POSTAL CODE K9J 6X7	EMERGENCY TELEPHONE NO. 1-800-361-6766	POSTAL CODE K9J 6X7	EMERGENCY TELEPHONE NO. 1-800-361-6766
FAX NO. 705 876-6467	CHEMICAL NAME CARBONIC ACID DISODIUM SALT	CHEMICAL FAMILY PERCARBONATE SALT	CHEMICAL FORMULA 2NaCO₃·3H₂O
MOLECULAR WEIGHT 314G/MOLE	TRADE NAME AND SYNONYMS PEROXYHYDRATE	MATERIAL USE CLEANING, OXIDIZING	

SECTION 2 – HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	%	UN. NA. OR CAS NUMBER	LD ₅₀ OF MATERIAL (SPECIFY SPECIES AND ROUTE)	LC ₅₀ OF MATERIAL (SPECIFY SPECIES)
STABILIZED HYDROGEN PEROXIDE	30	15630-89-4	1900 TO 3000 MG/KG (RAT, ORAL)	N/AP

SECTION 3 – PHYSICAL DATA

PHYSICAL STATE SOLID	ODOUR AND APPEARANCE ODOURLESS, WHITE IN COLOUR			ODOUR THRESHOLD (PPM) N/D
VAPOUR PRESSURE (mm Hg) N/D	VAPOUR DENSITY (AIR=1) N/D	EVAPORATION RATE (nBuAc=1) N/D	BOILING POINT N/D	FREEZING POINT (°C) N/D
% VOLATILE (BY VOLUME) NOT VOLATILE	SOLUBILITY IN WATER (20°C) SOLUBLE IN HOT WATER	pH 10	SPECIFIC GRAVITY N/D	COEFF. WATER/OIL DIST. N/D

SECTION 4 – FIRE AND EXPLOSION DATA

FLAMMABILITY YES	IF YES, UNDER WHICH CONDITIONS? SLIGHTLY FLAMMABLE IN PRESENCE OF OPEN FLAMES AND SPARKS OF HEAT. NON-FLAMMABLE IN PRESENCE OF REDUCING MATERIALS, OF COMBUSTIBLE MATERIALS, OF MOISTURE.			
MEANS OF EXTINCTION	USE FLOODING QUANTITIES OF WATER. USE WATER SPRAY OR FOG. DO NOT USE DRY CHEMICALS, CO₂ OR HALON.			
SPECIAL PROCEDURES	FIRE FIGHTER SHOULD WEAR SELF-CONTAINED BREATHER APPARATUS.			
FLAME PROJECTION N/D	UPPER EXPLOSION LIMIT (% BY VOLUME) N/D		LOWER EXPLOSION LIMIT (% BY VOLUME) N/D	
AUTO IGNITION TEMPERATURE (°C) N/D	TDG FLAMMABILITY CLASSIFICATION CLASS 5.1	U.N. NUMBER N/D	HAZARDOUS COMBUSTION PRODUCTS CO, CO₂	
EXPLOSION DATA N/D	SENSITIVITY TO IMPACT N/D	RATE OF BURNING N/D	FLASH POINT N/D	SENSITIVITY TO STATIC DISCHARGE N/D

SECTION 5 – REACTIVITY DATA

CHEMICAL STABILITY YES	IF NO, UNDER WHICH CONDITIONS	
INCOMPATIBILITY WITH OTHER SUBSTANCES YES	IF SO, WHICH ONES HIGHLY REACTIVE WITH REDUCING AGENTS, ACIDS. REACTIVE WITH ORGANIC MATERIAL, METALS, MOISTURE.	
REACTIVITY AND UNDER WHAT CONDITIONS	AVOID EXCESSIVE HEATING AND MIXING WITH FLAMMABLE ORGANIC SOLVENTS.	
HAZARDOUS DECOMPOSITION PRODUCTS	OXYGEN	

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SECTION 6 – TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY			
<input type="checkbox"/> SKIN CONTACT <input type="checkbox"/> SKIN ABSORPTION <input checked="" type="checkbox"/> EYE CONTACT <input checked="" type="checkbox"/> INHALATION ACUTE <input type="checkbox"/> INHALATION CHRONIC <input checked="" type="checkbox"/> INGESTION			
EFFECTS OF ACUTE EXPOSURE TO MATERIAL			
EYES: MAY CAUSE INFLAMMATION, REDNESS, WATERING, ITCHING. SKIN: MAY CAUSE BURNS AND ULCERATIONS, ITCHING, SCALING, REDDENING OR BLISTERING. INHALATION: MAY CAUSE RESPIRATORY IRRITATION. INGESTION: HARMFUL IF SWALLOWED.			
EFFECTS OF CHRONIC EXPOSURE TO MATERIAL			
N/D			
LD ₅₀ OF MATERIAL 1900 TO 3000 MG/KG (RAT, ORAL)	LC ₅₀ OF MATERIAL N/D	EXPOSURE LIMIT OF MATERIAL (TLV) NONE	IRRITANCY OF MATERIAL N/D
SENSITIZATION OF MATERIAL N/D	CARCINOGENICITY OF MATERIAL NEGATIVE	REPRODUCTIVE EFFECTS OF MATERIAL NONE	SYNERGISTIC MATERIALS N/D

SECTION 7 – PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT		
GLOVES	RESPIRATOR	EYE
MOISTURE RESISTANT RUBBER LATEX GLOVES	NATURAL, LOCAL VENTILATION	PROTECTIVE GLASSES, SPLASH GOGGLES, FACE SHIELD
FOOTWEAR	CLOTHING	OTHER
MOISTURE RESISTANT SHOES OR BOOTS	SHOP COAT	NONE
ENGINEERING CONTROLS		
NATURAL OR MECHANICAL VENTILATION.		
LEAK AND SPILL PROCEDURES		
MINIMIZE AIRBORNE SPREADING OF DUST. AVOID CONTACT WITH COMBUSTIBLE MATERIAL. ELIMINATE ALL SOURCES OF IGNITION.		
WASTE DISPOSAL		
DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE LOCAL, PROVINCIAL AND FEDERAL REGULATIONS.		
HANDLING PROCEDURES AND EQUIPMENT		
WASH SKIN WITH SOAP AND WATER AFTER CONTACT. REMOVE CONTAMINATED CLOTHING.		
STORAGE REQUIREMENTS		
DO NOT KEEP CONTAINER TIGHTLY CLOSED. KEEP DRY. STORE IN COOL PLACE. GROUND ALL EQUIPMENT CONTAINING MATERIAL.		
SPECIAL PRECAUTIONS		
DO NOT SHIP BY AIR.		

SECTION 8 – FIRST AID MEASURES

EYES
FLUSH WITH WATER FOR 15 – 20 MINUTES. CALL A PHYSICIAN.
SKIN
WASH WITH NON-ABRASIVE SOAP AND WATER.
INHALATION
REMOVE TO FRESH AIR. CALL A PHYSICIAN.
INGESTION
HAVE CONSCIOUS PERSON DRINK 2 – 4 GLASSES OF WATER OR MILK. CALL A PHYSICIAN.
OTHER INFORMATION

SECTION 9 – PREPARATION DATE OF MSDS

PREPARED BY (GROUP, DEPARTMENT, ETC.)	DATE PREPARED	SUPERSEDE MSDS DATED
TECHNICAL SERVICES: 1-800 361-6766	MAY 1, 2008	JUNE 1, 2005

LEGEND: N/AP – NOT APPLICABLE N/D – NO DATA AVAILABLE