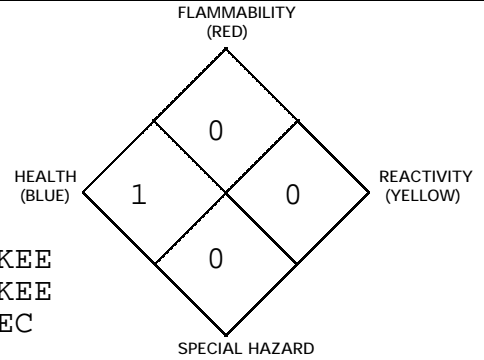


ENVIRO-LUBE

DEGREE OF HAZARD

4 = EXTREME
3 = HIGH
2 = MODERATE
1 = SLIGHT
0 = INSIGNIFICANT



EMERGENCY TELEPHONES:
NON-EMERGENCY INFORMATION
24 HOUR MEDICAL EMERGENCY
24 HOUR SHIPPING EMERGENCY

414 357-8515 MILWAUKEE
414 985-7962 MILWAUKEE
800 424-9300 CHEMTREC

FILE NO. 1XM477BJAH

REVISION: 2

EFFECTIVE: 01-01-14

PRINTED: 03-11-14

PREPARED FOR USE BY.....

=====

INFORMATION PROVIDED BY...:

IDENTIFICATION =====

J. KRETSCH
ACE CHEMICAL PRODUCTS, INC.
8415 N. 87TH STREET
MILWAUKEE, WI 53224-2409

=====

HAZARDOUS COMPONENT(S) =====

Component
Common Name(s)

Isopropyl Alcohol
IPA, 2-propanol, Dimethyl Carbinol,
Isopropanol

Chemical Formula

C3H8O

CAS Number

67-63-0

OSHA PEL

400 ppm

ACGIH TLV

400 ppm

Reportable under EPCRA
Section 313 (40CFR372)

No

PerCent in Formulation

< 10

The balance of materials
OSHA

in this product are non-hazardous as defined by

Materials listed as EPCRA
requirements of Emergency
law requires certain users
Contact the EPA or your
information should be
this product.

reportable may be subject to the reporting
Planning and Community Right-To-Know Act. This
to report annual emissions of specific chemicals
local DNR for additional information. This
included in all MSDS's that are distributed for

=====

PRODUCT INFORMATION =====

APPEARANCE

Clear amber liquid

Odor

Slight alcohol

DENSITY

1.04 or 8.68 pounds per gallon

BOILING POINT

> 212° F

VAPOR PRESSURE

ND

VAPOR DENSITY

ND

EVAPORATION RATE

ND

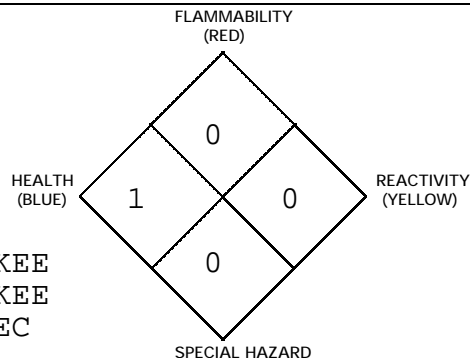
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===== PRODUCT INFORMATION =====	
NA ->	NOT APPLICABLE
ND ->	NOT DETERMINED
===== FIRE & EXPLOSION =====	
FLASH POINT	> 160° F
AUTOIGNITION TEMPERATURE	Not Determined
FLAMMABILITY LIMITS IN AIR	% by Volume - Upper 10.2 % by Volume - Lower 1.6
===== FIRE & EXPLOSION - EXTINGUISHING MEDIA =====	
EXTINGUISHING MEDIA	Under certain conditions, this product may be combustible. Water spray, foam, carbon dioxide, or dry chemical may be used on product or in areas where the product is stored.
===== SPECIFIC FIRE FIGHTING PROCEDURES =====	
	Wear full protective clothing. Run-off from fire control may cause pollution. Neutralize run-off, if allowed, as described below.
===== UNUSUAL FIRE FIGHTING HAZARDS =====	
	Not applicable
===== REACTIVITY - INSTABILITY =====	
	This material is stable
===== REACTIVITY - INCOMPATIBILITY =====	
	Avoid contact with strong acids.
===== REACTIVITY - HAZARDOUS DECOMPOSITION PRODUCTS =====	
	None known

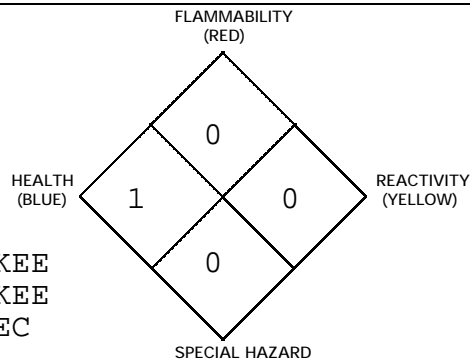
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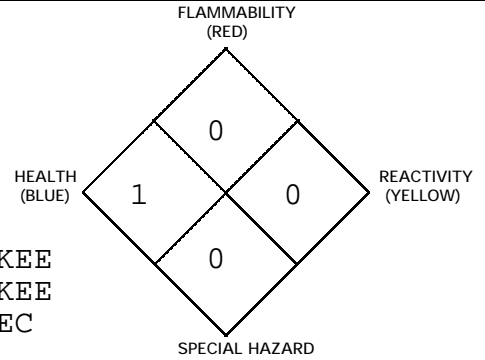
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<p>===== =====</p> <p>INHALATION - - -</p> <p>SKIN - - -</p> <p>EYE CONTACT - - -</p> <p>INGESTION - - -</p> <p>===== =====</p> <p>ACUTE - - -</p> <p>CHRONIC - - -</p> <p>HUMAN DERMAL EXPOSURE - - -</p> <p>CARCINOGENICITY - - -</p> <p>CONDITIONS AGGRAVATED BY EXPOSURE - - -</p>	<p>CONDITIONS FAVORING HAZARDOUS POLYMERIZATION ===</p> <p>Not known to polymerize.</p> <p>===== HEALTH HAZARDS - ROUTES OF EXPOSURE =====</p> <p>This product can be introduced into the body by inhalation, skin contact, eye contact and ingestion.</p> <p>Airborne concentrations of dust, mist or spray of this product may cause irritation to upper respiratory tract and lung tissues.</p> <p>This product may be irritating to skin and can produce burns.</p> <p>This product may be irritating to the eyes on contact. It could result in damage to the eyes.</p> <p>This product, if swallowed, could cause slight irritation and/or burns to the mouth and throat.</p> <p>===== HEALTH HAZARD - EFFECTS OF OVEREXPOSURE =====</p> <p>May be irritating to body tissues with which it comes in contact. Irritation and slight burns may result.</p> <p>No known chronic effects.</p> <p>Regardless of concentration, the severity of irritation and the extent of its irreversibility increases with the length of contact time.</p> <p>None of the components listed are cited as carcinogens by National Toxicology Program (NTP) the International Agency for Research on Cancer (IARC) or OSHA.</p> <p>Pre-existing eye and skin disorders may be further aggravated by exposure, regardless of</p>
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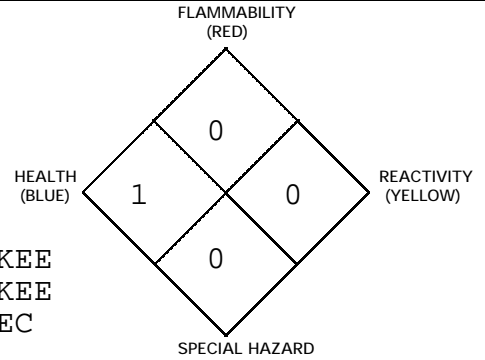
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=====	HEALTH HAZARD - EFFECTS OF OVEREXPOSURE =====	
	product concentration and exposure duration.	
=====	HEALTH HAZARD INFORMATION - EMERGENCY/FIRST AID	
EYES	IMMEDIATELY flush eyes with large amounts of water for at least 15 minutes. Call a physician	
SKIN	IMMEDIATELY flush skin with large amounts of water for at least 15 minutes, while removing contaminated clothing. If irritation persists, call a physician.	
IHNALATION	Remove to fresh air; if breathing is difficult, give oxygen.	
INGESTION	NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. If swallowed, DO NOT INDUCE VOMITING! Give large quantities of water. Call a physician	
=====	PERSONAL PROTECTION - VENTILATION =====	
	Special ventilation is not required under normal use. Use local exhaust ventilation where dust, mist or spray may be generated.	
=====	PERSONAL PROTECTION - SPECIFIC =====	
RESPIRATORY	Wear NIOSH/MSHA approved respirator where dust, mist or spray exceeding established limits may be generated. Consult respirator manufacturer to determine appropriate type of equipment for given application	
EYE	Wear goggles or safety glasses with side shields to protect from spills or splashing.	
GLOVES	Chemical resistant gloves should be worn.	
OTHER CLOTHING AND EQUIPMENT	Impervious protective clothing and chemically resistant safety shoes should be worn to	
	CONTINUED ...	PAGE 4

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===== PERSONAL PROTECTION - SPECIFIC =====
 minimize contact.

===== STORAGE & HANDLING =====
 Do not get into eyes, on skin or clothing. Avoid breathing dusts, mists or spray. Do not take internally. Use with adequate ventilation and employ respiratory protection when exposure to dust, mist or spray is possible. When handling, wear safety glasses with side shields and rubber gloves. Wash thoroughly after handling or contact - exposure can cause irritation. Keep container closed when not in use. Always read and observe label directions and warnings.

===== SPECIAL MIXING AND HANDLING INSTRUCTIONS =====
 This product can be safely added to water with no heat generated. Always add this product to water, not water to product. Wear protective clothing mentioned above when handling product.

===== ENVIRONMENTAL HAZARDS - SPILLS/LEAKS =====
 Spills should be cleaned up immediately. Dilute with water and neutralize spill with any inorganic acid such as hydrochloric, sulfuric, nitric, phosphoric or acetic acid. The spill area should then be flushed with water. Persons performing clean-up operations should wear adequate personal protective equipment and clothing. Spills and releases should be reported, if required, to the appropriate local, state and federal regulatory agencies.

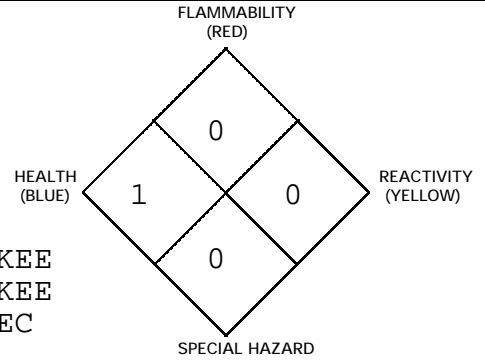
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===== ENVIRONMENTAL HAZARDS - WASTE DISPOSAL =====
 Material which cannot be used for its intended purpose should be disposed of in accordance with all applicable local, state and federal regulations. Neutralization/dilution is the suggested method of disposal.

===== INFORMATION NOTE =====
 The data contained herein relates only to the specific material designated and does not relate to its use in combination with other materials or processes. The data contained is believed to be correct. However, since conditions of use are outside our control, it should not be taken as a warranty or representation for which Ace Chemical Products assumes legal responsibility. This information is provided solely for your consideration, investigation and verification.

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