

MATERIAL SAFETY DATA SHEET

HMIS HAZARDOUS MATERIALS
IDENTIFICATION SYSTEM

(Prepared According to 29 CFR 1910.1200)

A = Safety Glasses
B = A + Gloves
C = B + Apron
D = C + Face Shield
E = B + Dust Mask

F = C + Dust Mask
G = B + Respirator
H = F + Goggles
I = B + Respirator
X = Ask Supervisor

4 = Extreme
3 = High
2 = Moderate
1 = Slight
0 = Insignificant

Health.... 1
Flammability.... 0
Reactivity.... 0
Protection.... B

SECTION I - PRODUCT IDENTIFICATION

Product Code: 665 Supersedes date: April 25, 2003 Section(s) changed: I, II, III, IV Effective date: July 1, 2004

PRODUCT NAME: F.C. 45 CHEMICAL FAMILY: Cleaner
GENERIC NAME: Concentrated Freezer Cleaner FORMULA: Proprietary Mixture
DISTRIBUTORS NAME: DISTRIBUTORS ADDRESS:
INFORMATION PHONE NUMBER: 314-771-6600
EMERGENCY PHONE NUMBER IN THE EVENT OF CHEMICAL EMERGENCIES INVOLVING A SPILL, LEAK, FIRE OR ACCIDENT: CHEMTREC 800-424-9300
PROPER SHIPPING DESCRIPTION: >119 gal.: Combustible liquid, n.o.s. (Contains isopropanol), Combustible, NA1993, III LABEL: Combustible
<119 gal.: Cleaning Compounds, Not Regulated

SECTION II - HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS No.	Wt%	OSHA PEL	ACGIH TLV	OTHER
Potassium Hydroxide	1310-58-3	<2	2mg/m ³	2mg/m ³	
Isopropyl Alcohol	67-63-0	<5	400 ppm	400 ppm	

The information & recommendations set forth herein are presented in good faith & believed to be current & reliable. The manufacturer makes no representation as to the completeness or accuracy thereof & supplies information upon the condition that the persons receiving same will make their own determination as to its suitability for their purpose prior to use. In no event will the manufacturer be responsible for any damage of any nature whatsoever resulting from the use of or reliance upon this information. No representation or warranty, either expressed or implied, of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to information or the product to which it refers.

SECTION III - PHYSICAL/CHEMICAL DATA

Boiling Point (°F): 212
Vapor Pressure (mm Hg): NE
Vapor Density (Air=1): NE
Evaporation Rate: (Water=1): NE
Solubility in Water: Complete
Physical Description: Clear Colorless Thin Liquid
Characteristic Odor

Specific Gravity: 1.03
Lbs/Gal Density: 8.45
pH Concentrate: 11
pH Use Dilution: 9

SECTION IV - FIRE & EXPLOSION HAZARD DATA

FLASH POINT (Method Used): 121°F LIMITS: LEL: NA UEL: NA
EXTINGUISHING MEDIA: Water spray or fog, foam, dry chemical, carbon dioxide, alcohol foam, if product is involved.
SPECIAL FIRE FIGHTING PROCEDURES: Avoid exposure to fumes or vapors. Wear self-contained positive pressurized breathing apparatus MSHA/NIOSH Approved or equivalent to maintain TLV.
UNUSUAL FIRE & EXPLOSION HAZARD: Use water spray to cool adjacent fire exposed containers. Product may splatter if temperature exceeds boiling point.

SECTION V - REACTIVITY DATA

Stability: Stable.
Hazardous Polymerization: Will not occur.
Incompatibility (Materials to Avoid): Strong oxidizing agents.
Hazardous Decomposition Products: If burned, normal combustion products:
Carbon Dioxide, Carbon Monoxide; Nitrous Oxides.

SECTION VI - STORAGE & HANDLING INFORMATION

KEEP OUT OF REACH OF CHILDREN. CAUTION.
Store upright in original closed container.
Other Precautions: Do not get in eyes, on skin or on clothing.

SECTION VII - HEALTH HAZARDS AND FIRST AID

Carcinogenicity:	NTP?	IARC Monographs?	OSHA REGULATED?
NE	NE	NE	NO

EFFECTS OF OVEREXPOSURE: SKIN: Burns
EYES: Burns
INHALATION: Irritation
INGESTION: Burns, nausea

EMERGENCY FIRST AID PROCEDURES:
SKIN: Wash with soap & water for 15 minutes. See physician if irritation persists.
EYES: Flush with flowing water for 15 minutes & see physician.
INHALATION: Remove to fresh air.
INGESTION: Give milk or water to dilute material; DO NOT induce vomiting. Avoid alcohol. CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: (Specify type) N/A
VENTILATION: Normal room ventilation.
PROTECTIVE GLOVES: Alkali proof.
EYE PROTECTION: Safety glasses.
OTHER PROTECTIVE EQUIPMENT: Eye wash facilities. Safety Shower.

SECTION IX - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Mop up & flush to sewer with plenty of water. Floors may be slippery. Use care to avoid falls.
WASTE DISPOSAL METHOD: Dispose of in accordance with applicable Federal, State & Local regulations.

SECTION X - ADDITIONAL FEDERAL REGULATIONS

SARA TITLE III (EPCRA) NOTIFICATION: ISOPROPYL ALCOHOL [Reportable under section 313 and section 6607 of the Pollution Prevention Act]
COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT (CERCLA) NOTIFICATION: POTASSIUM HYDROXIDE
For more information, consult 40 CFR parts 302, 355, 370, 372, and 40 CFR part 68.

NE - Not Established NA - Not Applicable GT - Greater Than

Manufactured by: Intercon Chemical Company 1100 Central Industrial Drive, St. Louis, MO 63110