

S A F E T Y D A T A S H E E T



3141 Clifty Drive • Madison, IN 47250

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

NAME:

COMPOUND IDC-30

TYPE:

Iodophor Sanitizer E.P.A. Reg. No. 4959-16-110

PRODUCT #

413401

FOR INDUSTRIAL USE ONLY – KEEP OUT OF THE REACH OF CHILDREN

EMERGENCY RESPONSE INFORMATION:

CHEMTREC	800-424-9300	24-Hour Service
Company Offices:	812-273-6000	Weekdays
Cara Cyrus:	812-599-3611	Evenings and Weekends
Bill Torline:	812-599-4976	Evenings and Weekends

PREPARED DATE:

04-01-15

PREPARED BY:

Marjorie E. Hare

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification

Corrosive to Metals	Category 1	H290
Skin Corrosion/Irritation	Category 2	H315
Serious Eye Damage/Eye Irritation	Category 2A	H319
Aquatic Toxicity (Acute)	Category 1	H400

Signal Word

DANGER

Symbol



Hazard Statements

H290	May be corrosive to metals.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.

Precautionary Statements

P234	Keep only in original container.
P264	Wash hands, forearms, and exposed areas thoroughly after handling.
P270	Do not eat, drink, or smoke when using this product.
P273	Avoid releases to the environment.
P280	Wear eye protection, face protection, protective clothing, protective gloves.
P301 + P330 + P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321	Specific treatment (see Section 4).
P332+P313	If skin irritation occurs: Get medical attention.
P337+P313	If eye irritation persists: Get medical attention.
P362	Take off contaminated clothing and wash before reuse.
P390	Absorb spillage to prevent material damage.
P406	Store in corrosive resistant container with a resistant inner liner.
P501	Dispose of contents / container according to local, regional, national and international regulations.

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SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

<u>COMPONENT</u>	<u>SYNONYM</u>	<u>CAS NO.</u>	<u>% BY WEIGHT</u>
Phosphoric acid	Orthophosphoric acid	7664-38-2	15 – 25
Iodine	None	7553-56-2	1.75

SECTION 4: FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES:

EYES:	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
SKIN:	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
INGESTION:	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
INHALATION:	Move person to fresh air. If person is not breathing, call 911 or ambulance. Call a Poison Control Center or doctor for treatment advice.
PRIMARY ROUTE(S) OF ENTRY:	Eyes, skin, ingestion.
MOST IMPORTANT SYMPTOMS / EFFECTS, ACUTE AND DELAYED:	
GENERAL:	Causes skin and eye irritation.
EYE CONTACT:	Contacted areas may exhibit irritation and can be burned if not flushed immediately.
SKIN CONTACT:	Contacted areas may exhibit irritation and can be burned if not flushed immediately.
INGESTION:	Harmful if swallowed.
INHALATION:	No hazard in normal industrial use. May cause nasal and respiratory irritation.
CHRONIC SYMPTOMS:	None expected under normal conditions of use.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED, IF NECESSARY:

If you experience any of the symptoms / effects listed above seek medical advice.

SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:

Use extinguishing media as appropriate for surrounding fire.

SPECIFIC HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE:

Product is not explosive, however this product reacts with most metals to release hydrogen gas which can form explosive mixtures with air. Hazardous reactions will not occur under normal conditions.

ADVICE FOR FIRE FIGHTERS:

Wear self-contained breathing apparatus with full face piece operated in positive pressure mode and full body protective clothing. Use water spray to keep containers cool.

Hazardous Combustion Products: Iodine vapors from high temperatures; hydrogen gas from contact with many metals, phosphorus oxides.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES:

Avoid all contact with skin, eyes and clothing. Avoid breathing vapors. Wear impermeable gloves. Goggles and face shield necessary. Wear full protective acid resistant clothing. Use NIOSH / MSHA approved positive pressure self-contained breathing apparatus when any material is involved in a fire.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:

Contain liquid spills with sand and absorb on inert material. Dispose with solid waste. See Waste Disposal Method. Ventilate area. Do not discharge to sewers or waterways without proper treatment. Contact state and federal environment organizations if RQ is exceeded.

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SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:

Wear proper safety equipment when handling this product. Handle in accordance with good industrial hygiene and safety procedures.

CONDITIONS FOR SAFE STORAGE, INCLUDING INCOMPATIBILITIES:

Keep container closed when not in use. Do not store below 25°F. or above 100°F. for extended periods. Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Do not reuse or refill this container. Triple rinse container and dispose per instructions on E.P.A. label. Always add **COMPOUND IDC-30** to water; never add water to **COMPOUND IDC-30**.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES:

CHEMICAL IDENTITY

CAS NO.

OSHA PEL

ACGIH TLV

Phosphoric acid

7664-38-2

1mg/M³

1 mg/M³

Iodine

7553-56-2

0.1 ppm*

0.01 ppm**

*Denotes ceiling limit. **Inhalable fraction and vapor.

ENGINEERING CONTROLS:

Use good ventilation. Local exhaust is recommended if TLVs are exceeded.

INDIVIDUAL PROTECTION MEASURES:

Selection of personal protective equipment should be based upon the anticipated exposure and made in accordance with OSHA's Personal Protective Equipment Standard found in 29 CFR 1910 Subpart I. The following information may be used to assist in PPE selection.

RESPIRATORY PROTECTION:

In absence of proper environmental control, use NIOSH / MSHA approved inorganic acid vapor respirator for mists where airborne exposure is excessive.

SKIN PROTECTION:

Impermeable gloves. Other equipment as required to avoid contact.

EYE PROTECTION:

Goggles and face shield necessary.

GENERAL HYGIENE CONSIDERATIONS:

Eyewash facility and emergency shower should be in close proximity. Always wash hands after handling any chemical.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:

Clear, brown liquid.

ODOR:

Mild acid

ODOR THRESHOLD:

Not available.

pH (100%):

1.9 – 2.1

MELTING POINT/FREEZING POINT

18°F.

INITIAL BOILING POINT AND BOILING RANGE

220°F (104°C)

FLASH POINT (METHOD USED)

Not available.

EVAPORATION RATE

Not available.

FLAMMABILITY (SOLID, GAS)

Not available.

UPPER/LOWER FLAMMABLE OR EXPLOSIVE LIMIT

Not available.

VAPOR PRESSURE

Not available.

VAPOR DENSITY

Not available.

SPECIFIC GRAVITY

1.14

SOLUBILITY IN WATER

Complete.

PARTITION COEFFICIENT: N-OCTANOL/WATER

Not available.

AUTO-IGNITION TEMPERATURE

Not available.

VISCOSITY, DYNAMIC

Not available.

DECOMPOSITION TEMPERATURE

Not available.

VISCOSITY

Not available.

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SECTION 10: STABILITY AND REACTIVITY

REACTIVITY:	Hazardous reactions will not occur under normal conditions.
CHEMICAL STABILITY:	Stable under recommended handling and storage conditions (see Section 7).
POSSIBILITY OF HAZARDOUS REACTIONS:	Hazardous polymerization will not occur.
CONDITIONS TO AVOID:	High temperatures.
INCOMPATIBLE MATERIALS:	Alkalies, reducing agents; aluminum, copper, brass and zinc metals.
HAZARDOUS DECOMPOSITION PRODUCTS:	Iodine vapors from high temperatures; hydrogen gas from contact with many metals, phosphorus oxides.

SECTION 11: TOXOLOGICAL INFORMATION

ACUTE TOXICITY:	Not classified
LD50 AND LC50 DATA:	Not available.
ROUTES OF EXPOSURE / SYMPTOMS	
EYES:	WARNING! Contacted areas may exhibit irritation and can be burned if not flushed immediately.
SKIN:	WARNING! Contacted areas may exhibit irritation and can be burned if not flushed immediately.
INGESTION:	WARNING! Harmful if swallowed.
INHALATION:	No hazard in normal industrial use. May cause nasal and respiratory irritation.
GERM CELL MUTAGENICITY:	Not classified.
TERATOGENICITY:	Not available.
CHRONIC EFFECTS / CARCINOGENICITY:	This material contains no ingredients above de minimus concentrations known or suspected to cause cancer.
SPECIFIC TARGET ORGAN TOXICITY (Repeated exposure):	Not classified.
REPRODUCTIVE TOXICITY:	Not classified.
SPECIFIC TARGET ORGAN TOXICITY (Single exposure):	Not classified.
ASPIRATION HAZARD:	Not classified.
COMPONENT INFORMATION:	
Phosphoric acid	LD50 Oral Rat 1530 mg/kg
Iodine	No data.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY	The ecotoxicity of this product is not known.
COMPONENT INFORMATION	

Data upon request.

PERSISTENCE AND DEGRADABILITY:	Not available.
BIOACCUMULATIVE POTENTIAL:	Not available.
MOBILITY IN SOIL:	Not available.
OTHER ADVERSE EFFECTS:	This material contains no hazardous air pollutants (HAPS).

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD	Normal for acidic, iodine containing wastes. May require pH adjustment for neutralization. ENVIRONMENTAL HAZARDS: This product is toxic to fish and aquatic organisms. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other water unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.
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SECTION 14: TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME: Corrosive liquid, acidic, inorganic, n.o.s., (contains phosphoric acid).
HAZARD CLASS: 8
IDENTIFICATION NUMBER: UN3264
PACKING GROUP: III
EMERGENCY RESPONSE GUIDE: ERG #154

SECTION 15: REGULATORY INFORMATION

VOC: 0 pounds per gallon (0 grams per liter).
TSCA STATUS: All ingredients are listed on the TSCA inventory.
CERCLA REPORTABLE QUANTITY: 5,000 pounds for phosphoric acid (approximately 3,282 gallons).

SARA 311 / 312 HAZARD CLASSES

x	ACUTE HEALTH
	FIRE
	SUDDEN RELEASE OF PRESSURE
	CHRONIC HEALTH
	REACTIVE

SARA 312 INFORMATION

Storage of 10,000 pounds or more may require filing a Tier 2 form. Threshold planning quantity for reporting is 10,000 pounds. This material is not an extremely hazardous substance (EHS).

SARA 313 INFORMATION

This material contains the following substances subject to the reporting requirements of Section 313 of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372

CHEMICAL NAME
None

CATEGORY CODE

CAS NUMBER

% BY WEIGHT

STATE REGULATORY INFORMATION

CALIFORNIA PROPOSITION 65

California has not identified the ingredients listed in Section 3 as known to cause cancer or reproductive toxicity.

SECTION 16: OTHER INFORMATION

MSDS STATUS: Revised to GHS Standards on 04-01-15.

HEALTH	2
FLAMMABILITY	0
PHYSICAL HAZARD	0

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