

RFB TO-23-05  
Parts Washer  
Questions and Answers #2  
August 26, 2022

Q1. What size turntable is required?

A1. Current machine has a 28.00” pull out turntable and that’s what we need at a minimum.

Q2. Our standard 30.00” turntable machine has 36.00” of working height. Would that suffice or is more required.

A2. No, more is required.

Q3. How much working height is required?

A3. Our current machine has a height of 49.50” and that’s what we need at a minimum.

Q4. Is that 49.50” the height from turntable base to top spray manifold?

A4. Yes.

Q5. Does it need to be constructed in stainless steel or is carbon steel ok?

A5. Bid both and we will decide.

Q6. Do you need rinse and/or dry cycles?

A6. Current machine has a rinse cycle. Yes, we need a rinse cycle.

Q7. Is the rinse cycle a separate recirculated tank or a fresh rinse with factory water to drain.

A7. Fresh rinse.

Q8. Any other options that are required?

A8. It needs to be heated.

Q9. What type of wash chemistry do you intend to use?

A9. Currently we use a Sodium Nitrite cabinet cleaner. See Page 4-10 for more details.

Q10. Can you send a TDS and SDS of the wash chemistry?

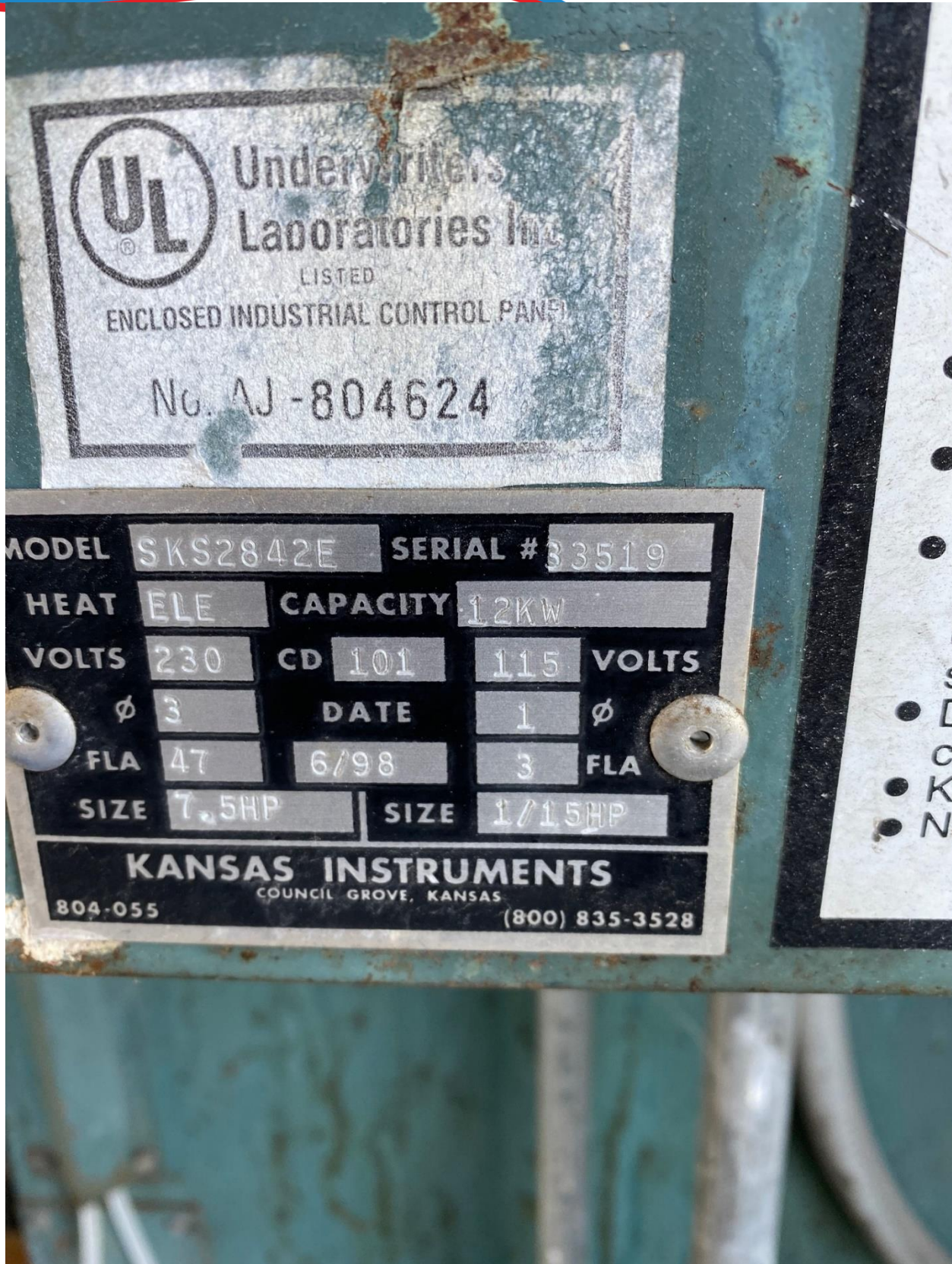
A10. Yes, see pages 4-10.

Q11. What amp, voltage, and phases do you need?

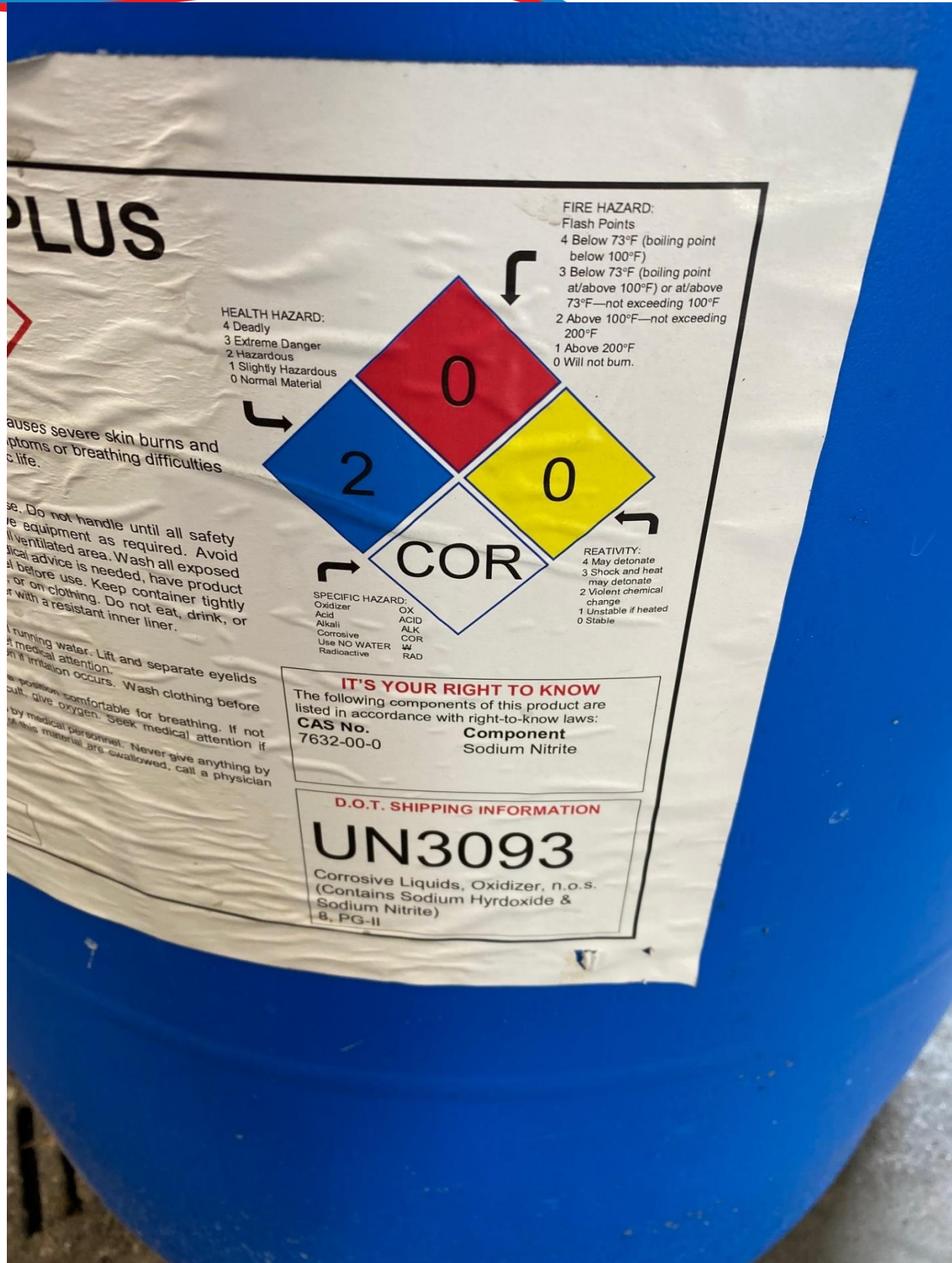
A11. 60 AMP, 240 Volt service to the machine's current location. We currently have a 3-phase machine and that's what we need. See Page 3 for a picture of the ID Tag on our current machine.

Q12. For the voltage, is that 208v and 480v, 3 phase?

A12. 208v.







# SAFETY DATA SHEET

## SECTION 1

## MATERIAL IDENTIFICATION

PRODUCT NAME / DESCRIPTION: Cabinet Cleaner Plus

DISTRIBUTED / MANUFACTURED BY:

Chem Quest Inc.

P.O. Box 750413

Topeka,

KS

66675

Date: 2/17/2015

Phone: 785-232-2722

Emergency Phone: (800) 535-5053

FUNCTION Industrial Cleaner

## SECTION 2

## HAZARD IDENTIFICATION

CLASSIFICATION:

Corrosive:	Category 1
Oxidizer:	Category 2
Acute Toxicity:	Category 3
Skin Corrosion/Irritation:	Category 1
Serious Eye Damage/Eye Irritation:	Category 1
Respiratory Sensitizer:	Category 1
Aspiration:	Category 1
Aquatic Toxicity: Acute	Category 1

SIGNAL WORD:

**DANGER!**

HAZARD STATEMENTS:

May intensify fire; oxidizer.

May be corrosive to metals.

Toxic if swallowed.

Causes severe skin burns and eye damage.

Causes serious eye damage.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

May be fatal if swallowed and enters airways.

Very toxic to aquatic life.



PRECAUTIONARY STATEMENTS

Obtain Special instructions before use.

Do not handle until all safety precautions have been read and understood.

Use personal protective equipment as required.

Avoid breathing dust/fume/gas/mist/vapors/spray.

Use only outdoors or in a well ventilated area.



Wash all exposed skin thoroughly after handling.  
Avoid release to the environment.  
If medical advice is needed, have product container or label at hand.  
Keep out of reach of children.  
Read label before use.  
Keep container tightly closed.  
Keep only in original container.  
Do not get in eyes, on skin, or on clothing.  
Do not eat, drink, or smoke when using this product.  
Store in corrosive resistant/container with a resistant inner liner.

TOXICITY:  
See Section 11

### **SECTION 3**

### **HEALTH HAZARDS**

<b><u>CHEMICAL NAME</u></b>	<b><u>%W/W</u></b>	<b><u>CAS NUMBER</u></b>
Sodium Hydroxide	<50	1310-73-2
Sodium Nitrite	<15	7632-00-0
(Proprietary Formula)		

### **SECTION 4**

### **FIRST AID**

#### **Potential acute health effects:**

**Eyes:** May cause severe irritation, burns, and/or damage  
**Skin:** May cause severe irritation, burns, and/or damage  
**Inhalation:** Inhalation may cause severe irritation  
**Ingestion:** Ingestion may cause irritation, corrosion/ulceration, nausea, and vomiting.

#### **Medical conditions aggravated by exposure:**

None known.

**Eye Contact:** In case of contact, immediately flush eyes with cool running water. Lift and separate eyelids while flushing with plenty of water for at least 15 minutes. Get medical attention.

**Skin Contact:** Wash with soap and water. Get medical attention if irritation occurs. Wash clothing before reuse. Destroy contaminated shoes.

**Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if symptoms develop.

**Ingestion:** Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Give plenty of water.

### **SECTION 5**

### **FIRE FIGHTING MEASURES**

**Fire Hazard Classification (OSHA/NFPA):** 0  
**Extinguishing Media:** As required for fire being fought.  
**Special Fire Fighting Procedures:** Use self-contained breathing apparatus.

**Hazardous Combustion Products:**

None known.

**SECTION 6****ACCIDENTAL RELEASE MEASURES**

<b>Personal Precautions, PPE, and Emergency Procedures:</b>	Wear protective clothing as described in Section 8 of this safety data sheet.
<b>Containment Procedures:</b>	Stop the flow of material, if this is without risk. Wear appropriate protective equipment and clothing during clean-up. Do not allow the spilled product to enter public drainage system or open water courses.
<b>Clean-Up Procedures:</b>	Sweep up or gather material and place in appropriate container for disposal. Wash spill area thoroughly. Wear appropriate protective equipment during cleanup. Dispose of collected material according to regulations.

**SECTION 7****HANDLING AND STORAGE**

<b>Handling:</b>	Avoid contact with eyes, skin, and clothing. Do not take internally. For industrial use only. Wash after handling. Don't breath dust, vapor, or gas. Keep this and all chemicals out of reach of children.
<b>Storage:</b>	Keep away from heat, sparks, and open flames. Prevent spills. Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials. Empty product containers may contain product residue, do not reuse.

**SECTION 8****PERSONAL PROTECTION / EXPOSURE CONTROLS**

<b>Ventilation System:</b>	Always keep exposure below permissible exposure limits. In general dilution ventilation is a satisfactory health hazard control for this substance. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered.
<b>Airborne Exposure Limits:</b>	None Established.
<b>Personal Protection:</b>	As prescribed in the OSHA Standard for Personal Protective Equipment (29 CFR 1920.132), employers must perform a Hazard Assessment for all workplaces to determine the need for, and selection of, proper protective equipment for each task performed.
<b>Eyes:</b>	Wear face shield, safety glasses, or chemical goggles.
<b>Hands &amp; Skin:</b>	For prolonged or repeated handling, use impervious gloves. Gloves should be tested to determine suitability for prolonged contact. Use of impervious apron and boots are recommended.
<b>Respiratory:</b>	If ventilation is not sufficient appropriate NIOSH/MSHA respiratory protection must be provided.
<b>Work Practices:</b>	Eye wash fountain and emergency showers are recommended.

**SECTION 9****TYPICAL PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical Form:</b>	Liquid
<b>Color:</b>	Clear
<b>Odor:</b>	None

<b>Odor Threshold:</b>	NE
<b>pH:</b>	13.0+/-0.5
<b>Boiling Point:</b>	NE
<b>Melting Point:</b>	NE
<b>Flash Point:</b>	NE
<b>Evaporation Rate (Butylacetate=1):</b>	NE
<b>Flammability:</b>	Non-Flammable
<b>UEL:</b>	NE
<b>LEL:</b>	NE
<b>Vapor Pressure:</b>	NE
<b>Vapor Density:</b>	NE
<b>Specific Gravity (Water=1):</b>	1.28+/-0.05
<b>Solubility Water:</b>	Soluble
<b>Partition Coefficient:</b>	NE
<b>Auto-ignition Temperature:</b>	NE
<b>Decomposition Temperature:</b>	NE
<b>Viscosity (CPS):</b>	NE

## **SECTION 10**

## **STABILITY AND REACTIVITY**

<b>Stability:</b>	This product is stable under normal temperatures and pressures.
<b>Incompatibility:</b>	Strong Acids
<b>Decomposition</b>	Unknown
<b>Products:</b>	
<b>Conditions to Avoid:</b>	None Known

## **SECTION 11**

## **TOXICOLOGICAL PROPERTIES**

Raw Material	Test	Result	Route	Species
Sodium Hydroxide (1310-73-2)	LD50	1350 mg/kg	dermal	rabbit
Sodium Nitrite (7632-00-0)	LD 50	175 mg/kg	Oral	mouse

See Section 4 for symptoms.

### **CARCINOGENICITY**

No known carcinogens.

### **MUTAGENICITY:**

No known mutagens.

### **REPRODUCTIVE TOXINS:**

No known reproductive toxins.

## **SECTION 12**

## **ECOLOGICAL INFORMATION**

Raw Material	Test	Result	Time	Species
Sodium Hydroxide (1310-73-2)	LC50	25 ppm	24 hrs	Brook trout



PERSISTENCE & DEGRADABILITY:  
NE

BIOACCUMULATION:  
NE

MOBILITY:  
NE

### **SECTION 13**

### **DISPOSAL CONSIDERATIONS**

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use, or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose container and unused contents in accordance with federal, state, and local requirements.

### **SECTION 14**

### **TRANSPORT INFORMATION**

CORROSIVE LIQUIDS, OXIDIZER, n.o.s.,  
(Contains Sodium Hydroxide & Sodium Nitrite)  
8, UN3093, PGII  
LABEL/PLACARD REQUIRED

### **SECTION 15**

### **REGULATORY INFORMATION**

#### **US FEDERAL REGULATIONS**

#### **SARA (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):**

SARA 302 EXTREMELY HAZARDOUS SUBSTANCES LIST: N/A

SARA 312 HAZARD CATEGORY: N/A

SARA 313 TOXIC CHEMICALS LIST: N/A

**CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT):**  
N/A

**RCRA (RESOURCE CONSERVATION AND RECOVERY ACT) LISTED HAZARDOUS WASTES:**  
N/A

**CWA (CLEAN WATER ACT) LISTED SUBSTANCES:**  
N/A

**FDA (FOOD AND DRUG ADMINISTRATION):**  
N/A

**TOXIC SUBSTANCES CONTROL ACT (TSCA):**

ALL INGREDIENTS ARE LISTED.

**NFPA HAZARD INFORMATION SIGN**

<b>[2] HEALTH HAZARD (BLUE DIAMOND)</b> 4-DEADLY 3-EXTREME DANGER 2-HAZARDOUS 1-SLIGHTLY HAZARDOUS 0-NORMAL MATERIAL	<b>[0]</b>	<b>REACTIVITY HAZARD (YELLOW DIAMOND)</b> 4-MAY DETONATE 3-SHOCK AND HEAT MAY DETONATE 2-VIOLENT CHEMICAL CHANGE 1-UNSTABLE IF HEATED 0-STABLE
<b>[0] FIRE HAZARD (RED DIAMOND)</b> FLASH POINTS: 4-BELOW 73 F 3-BELOW 100 F 2-BELOW 200 F 1-ABOVE 200 F 0-WILL NOT BURN	<b>[COR]</b>	<b>SPECIFIC HAZARD (WHITE DIAMOND)</b> OXY      OXIDIZER ACID      ACID ALK      ALKALI COR      CORROSIVE W      USE NO WATER

**SECTION 16**

**OTHER INFORMATION**

THIS INFORMATION IS OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. NO WARRANTY, EXPRESSED OR IMPLIED, IS HEREBY MADE. THE RECOMMENDED INDUSTRIAL HYGIENE AND SAFE HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE INTENDED USE AND DETERMINE WHETHER THEY ARE APPROPRIATE.