



**MATERIAL SAFETY DATA SHEET**

IDENTITY (AS USED ON LABEL AND LIST)

p.a.w.s.

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Date: March 13, 2012

**SECTION 4 - FIRE FIGHTING MEASURES**

FLASH POINT (METHOD USED)

81°F (TOC)

FLAMMABLE LIMITS (% Volume in Air for Lowest Flashing Component)

LEL: 3.3

UEL: 19

EXTINGUISHING MEDIA

Dry chemicals, alcohol-type or all-purpose foam, CO<sub>2</sub>

SPECIAL FIRE FIGHTING PROCEDURES

Use water spray to cool fire-exposed containers and structures. Use water spray to disperse vapors; re-ignition is possible.

UNUSUAL FIRE AND EXPLOSIVE HAZARDS

Flammable material. Toxic gases (such as carbon monoxide and formaldehyde) may be released in a fire. Concentrated vapors may be flammable.

**SECTION 5 - PRECAUTIONS FOR SAFE HANDLING AND USE/LEAK PROCEDURES**

STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED

Remove all sources of ignition. Small spills may be flushed with large amounts of water; larger spills should be collected for disposal.

WASTE DISPOSAL METHODS

Dispose of in accordance with Local, State, and Federal regulations. Products classified as non-hazardous may become hazardous waste upon contact with other products. Refer to "40 CFR Protection of Environment Parts 260-299" for complete waste disposal regulations. Consult your Local, State, or Federal Environmental Protection Agency before disposing of any chemicals.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Keep container(s) tightly closed when not in use. Avoid inhalation of high concentration of vapors. Store in cool, dry area away from possible sources of ignition. Keep this and other chemicals out of reach of children. Keep in original container.

**SECTION 6 - EXPOSURE CONTROLS/PERSONAL PROTECTION**

RESPIRATORY PROTECTION

Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.

VENTILATION

LOCAL EXHAUST: Required

MECHANICAL (GENERAL): Yes

PROTECTIVE GLOVES

Ordinarily, none required

EYE PROTECTION

Ordinarily, none required. Avoid contact with eyes.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT

Ordinarily, none required

WORK/HYGIENIC PRACTICES

Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink.

**SECTION 7 - PHYSICAL/CHEMICAL PROPERTIES**

BOILING POINT

173.8°F

SPECIFIC GRAVITY (WATER = 1)

0.886

VAPOR PRESSURE (mm Hg)

No data

MELTING POINT

Not applicable

VAPOR DENSITY (AIR = 1)

1.59 (ALC.)

PH

6-8

SOLUBILITY IN WATER

Moderate

EVAPORATION RATE (IPA = 1)

1.7 (ALC.)

APPEARANCE AND ODOR

Clear liquid

% VOLATILES (BY VOLUME)

&gt;99

**SECTION 8 - STABILITY AND REACTIVITY**

STABILITY

UNSTABLE:

STABLE: XXX

CONDITIONS TO AVOID

Extreme temperatures; sources of ignition

INCOMPATIBILITIES (MATERIALS TO AVOID)

Acids. Oxidizers. Caustics.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS

May include and are not limited to: Oxides of carbon.

HAZARDOUS POLYMERIZATION MAY OCCUR:

WILL NOT OCCUR: XXX

CONDITIONS TO AVOID

Heat

The information contained herein is believed to be accurate but is not warranted to be so. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed.