

ABC CO PCS

SDS Number: 113

Revision Date: 1/1/2015

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

ABC CO Products of Sacramento
 P.O. Box 188469
 Sacramento, CA 95818

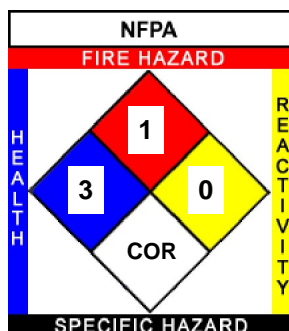
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Product Name: ABC CO PCS
Revision Date: 1/1/2015
Version: 1
SDS Number: 113
Common Name: Mild Alkaline Organic Solvent Mixture
CAS Number: MIXTURE
Product Code: ABC CO J-PCS
Chemical Family: Mild Alkaline Organic Solvent Mixture
Chemical Formula: *** PROPRIETARY ***
Product Use: Paint Removal
Emergency Phone: +1-800-424-9300 (CHEMTREC)

2 HAZARDS IDENTIFICATION

NFPA:
 HMIS III:

Health = 3, Fire = 1, Reactivity = 0
 H*3/F1/PH0



HMIS III	
HEALTH	☑ 3
FLAMMABILITY	1
PHYSICAL HAZARDS	0
PERSONAL PROTECTION H Splash Goggles, Gloves, Apron, Vapor Respirator	

PERSONAL PROTECTION INDEX			
A		G	
B		H	
C		I	
D		J	
E		K	
F		X	Consult your supervisor or S.O.P. for "SPECIAL" handling directions
A		n	
Safety Glasses		O	
Splash Goggles		P	
Face Shield & Eye Protection		q	
Gloves		r	
Boots		S	
Synthetic Apron		t	
Full Suit		u	
Additional Information		w	
		y	
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GHS Signal Word:

DANGER

GHS Hazard Pictograms:



GHS Classifications:

- Health, Acute toxicity, 4 Oral
- Health, Acute toxicity, 4 Dermal
- Health, Skin corrosion/irritation, 1 B
- Health, Acute toxicity, 4 Inhalation
- Health, Specific target organ toxicity - Single exposure, 3
- Health, Reproductive toxicity, 1

GHS Phrases:

- H302 - Harmful if swallowed
- H312 - Harmful in contact with skin
- H314 - Causes severe skin burns and eye damage
- H332 - Harmful if inhaled
- H335 - May cause respiratory irritation
- H360 - May damage fertility or the unborn child

GHS Precautionary Statements:

- P201 - Obtain special instructions before use.
- P202 - Do not handle until all safety precautions have been read and understood.
- P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking
- P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
- P262 - Do not get in eyes, on skin, or on clothing.
- P264 - Wash skin thoroughly after handling.
- P270 - Do not eat, drink or smoke when using this product.
- P271 - Use only outdoors or in a well-ventilated area.
- P273 - Avoid release to the environment.
- P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- P301+310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
- P303+361+353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- P308+313 - IF exposed or concerned: Get medical advice/attention.
- P321 - Specific treatment (see supplementary first aid instructions on this label).
- P362 - Take off contaminated clothing and wash before reuse.
- P403+233 - Store in a well ventilated place. Keep container tightly closed.
- P403+235 - Store in a well ventilated place. Keep cool.
- P405 - Store locked up.
- P501 - Dispose of contents/container to an approved waste disposal plant.

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3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas #	Percentage	Chemical Name
872-50-4	<50%	n-Methyl-2-pyrrolidone
141-43-5	<40%	Ethanol, 2-amino-
N/A	>10	Proprietary, non-hazardous, non-regulated

4 FIRST AID MEASURES

- Inhalation:** Give oxygen or artificial respiration if needed. If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.
- Skin Contact:** Take off contaminated clothing and shoes immediately. Promptly flush skin with water for at least 15 minutes to ensure all chemical is removed. If reddening develops and/or persists, obtain medical attention.
- Eye Contact:** Flush with large amounts of water for at least 15 minutes, lifting upper and lower lids occasionally. Get immediate medical attention. Continue rinsing eyes during transport to hospital.
- Ingestion:** Rinse mouth with water. Give 3-4 glasses of water or milk to dilute stomach contents. Do NOT induce vomiting. If vomiting occurs, give more water or milk. Never give anything by mouth to an unconscious person. Get immediate medical attention.

Most important symptoms and effects, both acute and delayed:

The most important known symptoms and effects are described in the labelling (see Section 2) and/or Section 11.

Indication of any immediate medical attention and special treatment needed:

No data available.

5 FIRE FIGHTING MEASURES

Flammability:	Not determined
Flash Point:	>200° F (93.3° C)
Flash Point Method:	(TCC)
Burning Rate:	No data available
Autoignition Temp:	No data available
LEL:	No data available
UEL:	No data available

Extinguishing Media:

Water Spray
 Carbon Dioxide
 Alcohol-Resistant Foam
 Dry Chemical

Special Hazards Arising From the Substance or Mixture:

Carbon Oxides
 Nitrogen Oxides (NOx)
 Phosphorous Oxides
 Sulfur Oxides
 Zinc Oxides

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Advice for Firefighters:

Firefighters should wear full-face, positive-pressure respirators.

Further Information:

If incinerated, may release toxic fumes.

Use water spray to cool unopened containers.

See Section 7 for more information on safe handling.

See Section 8 for more information on personal protection equipment.

See Section 13 for disposal information.

6**ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures:**

Use personal protective equipment.

Keep from contacting skin or eyes.

Avoid breathing vapors, mist or gas.

Ensure adequate ventilation.

Evacuate personnel to safe areas.

Environmental precautions:

Prevent further release (leakage/spillage) if safe to do so.

Do not allow product to enter drains.

Do not allow to drain to environment.

Methods and materials for containments and cleaning up:

Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust).

Neutralizing agent like Sodium Bicarbonate may also be used to absorb/neutralize any spilled material.

Place contaminated material into suitable, closed containers for disposal.

Dispose of contaminated material according to Section 13.

After spillage has been collected, area may be flushed with water or wet-brushed.

Ensure adequate ventilation.

Reference to other sections:

Comply with federal, state and local regulations on reporting spills.

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for information on proper disposal.

7**HANDLING AND STORAGE****Handling Precautions:**

Avoid breathing vapors or mist.

Avoid contact with eyes, skin, or clothing.

Use approved, original containers only.

Keep containers closed when not in use.

Do not expose containers to open flame, excessive heat, or direct sunlight.

Do not puncture or drop containers.

Handle with care and avoid spillage on the floor.

Keep material out of reach of children.

Keep material away from incompatible materials.

Wash thoroughly after handling.

Ensure adequate ventilation.

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Storage Requirements: Keep away from heat, sparks and flames.
Do not store in direct sunlight.
Store only in original container.
Store away from strong acids, strong bases, strong oxidizing agents, strong reducing agents, Iron, Copper and its alloys (Brass, etc.) and Rubber.

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EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94). Use local exhaust at filling zones and where leakage and dust formation is probable. Use mechanical (general) ventilation for storage areas. Use appropriate ventilation as required to keep Exposure Limits in Air below TLV & PEL limits.

Personal Protective Equip: Eye/face protection:
When using material use safety goggles, gloves and apron and vapor respirator according to HMIS PP, H. All safety equipment should be tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Skin protection:

Handle with gloves made from Viton, Nitrile or Buna rubber. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact. Dispose of contaminated gloves according to applicable laws and laboratory practices.

Body Protection:

Chemically resistant safety goggles, gloves, apron and vapor respirator are recommended. Type of protective equipment should be selected based on concentration amount and conditions of use of this material.

Respiratory protection:

Full-face vapor respirator is highly recommended as a backup to engineering controls when proper engineering controls are not in place to keep TLV and PEL limits below defined thresholds.

Control of environmental exposure:

Prevent leakage or spillage if safe to do so. Do not let material enter drains.

Components with workplace control parameters:

Component(s): n-Methyl-2-pyrrolidone; Ethanol-2-amino-

CAS No(s): 872-50-4; 141-43-5

USA ACGIH (TWA/TLV): 3 ppm

USA ACGIH (STEL/TWA): 6 ppm

USA OSHA - Table Z-1 Limits for Air Contaminants (TWA): 3 ppm

USA OSHA - Table Z-1 Limits for Air Contaminants (STEL): 6 ppm

USA OSHA Occupational Exposure Limits - Table Z-1 Limits for Air Contaminants (TWA): 3 ppm

USA NIOSH Recommended Exposure Limits (TWA): 3 ppm

USA NIOSH Recommended Exposure Limits (ST): 6 ppm

USA Workplace Environmental Exposure Levels (WEEL/TWA): 10 ppm

Biological occupational exposure limits:

Component: n-Methyl-2-pyrrolidone

CAS-No: 872-50-4

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Parameters: 5-Hydroxy-N-methyl-2-pyrrolidone
 Biological Specimen: Urine
 USA ACGIH Biological Exposure Indices: 100 mg/L

Derived No Effect Level (DNEL):

Component: n-Methyl-2-pyrrolidone
 CAS-No: 872-50-4
 Inhalation - Workers (Acute systemic effects): 208 mg/kg BW/d
 Skin Contact - Workers (Acute systemic effects): 80 mg/m³
 Inhalation - Workers (Long-term systemic effects): 19.8 mg/kg BW/d
 Skin Contact - Workers (Long-term systemic effects): 40 mg/m³

Predicted No Effect Concentration (PNEC):

Component: n-Methyl-2-pyrrolidone
 CAS-No: 872-50-4
 Water: 5 mg/l
 Soil: 0.138 mg/kg
 Marine Water: 0.025 mg/kg
 Fresh Water: 0.25 mg/l
 Fresh Water Sediment: 0.805 mg/kg
 Onsite Sewage Treatment Plant: 10 mg/l

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Water-White Liquid	Odor:	Amine-Like
Physical State:	Liquid	Molecular Formula:	MIXTURE
Odor Threshold:	Not determined	Solubility:	100%
Particle Size:	No data available	Softening Point:	Not determined
Spec Grav./Density:	1.007 g/ml (8.40 lbs/gal)	Percent Volatile:	97.40%
Viscosity:	Not determined	Heat Value:	Not determined
Sat. Vap. Conc.:	Not determined	Freezing/Melting Pt.:	Not determined
Boiling Point:	Not determined	Flash Point:	DNA
Flammability:	(solid, gas): Not determined	Octanol:	Not determined
Partition Coefficient:	Not determined	Vapor Density:	(air = 1): Not determined
Vapor Pressure:	(mm Hg @ 25 °C): Not determined	VOC:	987 g/L
pH:	@ 1%: 11.5 - 12.2	Bulk Density:	Not determined
Evap. Rate:	(Butyl Acetate = 1): Not determined	Auto-Ignition Temp:	Not determined
Molecular weight:	MIXTURE	UFL/LFL:	Not determined
Decomp Temp:	Not determined		

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10 STABILITY AND REACTIVITY

Stability:	Product is stable under normal conditions.
Conditions to Avoid:	Incompatibilities, flames, ignition sources.
Materials to Avoid:	Strong acids, strong bases, strong oxidizing agents, strong reducing agents, Iron, Copper and its alloys (Brass, etc.) and Rubber.
Hazardous Decomposition:	Carbon Oxides, Nitrogen Oxides (NOx), Phosphorous Oxides, Sulfur Oxides and Zinc Oxides.
Hazardous Polymerization:	Will not occur.

11 TOXICOLOGICAL INFORMATION

Component(s): n-Methyl-2-pyrrolidone; Ethanol-2-amino-
CAS No(s): 872-50-4; 141-43-5

Acute Toxicity:

LD50 Oral - Rat: 1,720 mg/kg
LD50 Dermal - Rabbit: 1,015 mg/kg
LDLo Inhalation - Rat: 5100 ppm (4 h)
LD50 Intraperitoneal - Mouse: 168 mg/kg

Skin Corrosion/Irritation: No data available.

Serious Eye Damage/Eye Irritation: Rabbit eyes - Serious eye irritation.

Respiratory or Skin Sensitation: No data available.

Germ Cell Mutagenicity: No data available.

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive Toxicity: Damage to fetus possible.

Specific Target Organ Toxicity - Single Exposure: Inhalation - May cause respiratory irritation.

Specific Target Organ Toxicity - Repeated Exposure: No data available.

Aspiration Hazard: No data available.

Additional Information:

Component: n-Methyl-2-pyrrolidone; RTECS: UY5790000

Component: Ethanol-2-amino-; RTECS: KJ5775000

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12 ECOLOGICAL INFORMATION

Component(s): n-Methyl-2-pyrrolidone; Ethanol-2-amino-
CAS No(s): 872-50-4; 141-43-5

Toxicity:

Toxicity to fish:

LC50 - *Leuciscus idus* (Golden Orfe): > 500 mg/l (96 h)LC50 - *Pimephales promelas* (Fathead Minnow): 227 mg/l (96 h)

Toxicity to daphnia and other aquatic invertebrates (fresh water):

EC50 - *Daphnia magna* (Water Flea): 65 mg/l (24 h)

Toxicity to algae:

Desmodesmus subspicatus (Green Algae): 15 mg/l (72 h)

Toxicity to bacteria:

LC50 - Bacteria: > 9,000 mg/l

Persistence and Degradability:

No data available.

Bioaccumulative potential:

No data available.

Mobility in Soil:

No data available.

Results of PBT and vPvB assessment:

Not required/conducted.

Other Adverse Effects:

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life.

13 DISPOSAL CONSIDERATIONS

Product: Hazardous wastes shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution, release into the environment or damage to people and animals. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated Packaging: Dispose of as unused product.

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14 TRANSPORT INFORMATION

DOT Class: Corrosive (8) #8

UN #: UN 3267, Class: 8, Proper Shipping Name: Corrosive liquid, basic, organic, n.o.s. (containing Ethanolamine)

DOT (US)

UN Number: 3267

Class: 8

Packing Group: III

ERG #: 153

Proper Shipping Name: Corrosive liquid, basic, organic, n.o.s. (containing Ethanolamine)

Marine Pollutant: No

Poison Inhalation Hazard(s): No

IMDG

UN Number: 3267

Class: 8

Packing Group: III

EMS-No: F-A, S-B

Proper Shipping Name: Corrosive liquid, basic, organic, n.o.s. (containing Ethanolamine)

Marine Pollutant: No

IATA

UN Number: 3267

Class: 8

Packing Group: III

ERG #: 153

Proper Shipping Name: Corrosive liquid, basic, organic, n.o.s. (containing Ethanolamine)

Marine Pollutant: No



15 REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

*n-Methyl-2-pyrrolidone (872504 <50%) MASS, NJHS, PA, PROP65, SARA311/312, SARA313, TSCA

*Ethanol, 2-amino- (141435 <40%) HAP, MASS, NJHS, OSHAWAC, PA, SARA311/312, TSCA, TXAIR

REGULATORY KEY DESCRIPTIONS

CERCLA = Superfund clean up substance

CSWHS = Clean water Act Hazardous substances

HAP = Hazardous Air Pollutants

MASS = MA Massachusetts Hazardous Substances List

NJHS = New Jersey Right to Know Hazardous Substances

OSHA WAC = OSHA workplace Air Contaminants

PA = PA Right-To-Know List of Hazardous Substances

PROP65 = CA Prop 65

SARA311/312 = SARA 311/312 Toxic Chemicals

SARA313 = SARA 313 Title III Toxic Chemicals



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TSCA = Toxic Substances Control Act

TXAIR = TX Air Contaminants with Health Effects Screening Level

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OTHER INFORMATION

Disclaimer:

The data in this Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material in any process. The information set forth herein is furnished free of charge and is based on technical data that ABCO Products of Sacramento believes to be reliable. It is intended for use by persons having technical skill and at their own discretion and risk. Since conditions of use are outside of ABCO Products of Sacramento's control, ABCO Products of Sacramento makes no warranties, expressed or implied, and assumes no liability in connection with any use of this information. Nothing herein is to be taken as a license to operate under, or a recommendation to infringe upon, any patents.

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