

ABC CO Nickel Stripper 99

SDS Number: 121

Revision Date: 1/11/2015

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1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

ABC CO Products of Sacramento
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Product Name: ABC CO Nickel Stripper 99
Revision Date: 1/11/2015
Version: 1
SDS Number: 121
Common Name: Mild Alkaline Stripping Solution
CAS Number: MIXTURE
Product Code: ABC CO J-NS99
Chemical Family: Mild Alkaline Stripping Solution
Chemical Formula: *** PROPRIETARY ***
Product Use: Powdered Nickel Stripper
Emergency Phone: +1-800-424-9300 (CHEMTREC)

2 HAZARDS IDENTIFICATION

NFPA:
 HMIS III:

Health = 2, Fire = 1, Reactivity = 1
 H*2/F1/PH1



HMIS III	
HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARDS	1
PERSONAL PROTECTION C Safety Glasses, Gloves, Apron	

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	
n		o	
o		p	
p		q	
q		r	
r		s	
t		u	
u		w	
w		y	
y		z	
z			Additional Information

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GHS Signal Word:
WARNING

GHS Hazard Pictograms:



GHS Classifications:

Health, Skin corrosion/irritation, 2
Health, Respiratory or skin sensitization, 1 Skin
Health, Serious Eye Damage/Eye Irritation, 2 A

GHS Phrases:

H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation

GHS Precautionary Statements:

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P262 - Do not get in eyes, on skin, or on clothing.
P264 - Wash skin thoroughly after handling.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P302+352 - IF ON SKIN: Wash with soap and water.
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P321 - Specific treatment (see supplementary first aid instructions on this label).
P333+313 - If skin irritation or a rash occurs: Get medical advice/attention.
P337+313 - If eye irritation persists: Get medical advice/attention.
P501 - Dispose of contents/container to an approved waste disposal plant.

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COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas #	Percentage	Chemical Name
497-19-8	30-40%	Carbonic acid disodium salt
N/A	25-35%	Proprietary, non-hazardous, non-regulated
127-68-4	20-30%	Benzenesulfonic acid, 3-nitro-, sodium salt
7704-34-9	1-5%	Sulfur

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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. Wipe/brush off as much chemical as possible from skin BEFORE flushing skin with water. Promptly flush skin with water for at least 15 minutes to ensure all chemical is removed. If reddening or a rash develops and/or persists, obtain medical attention.

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Eye Contact: Flush with large amounts of water for at least 15 minutes, lifting upper and lower lids occasionally. Get immediate medical attention.

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.

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FIRE FIGHTING MEASURES

Flammability: May form combustible dust concentrations in air

Flash Point: 1022° F (550° 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 (NO_x)

Sodium Oxides

Sulfur Oxides

Advice for Firefighters:

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

Further Information:

If incinerated, may release toxic fumes.

Avoid creating dust while extinguishing any potential fires. Product may form combustible dust concentrations in air.

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.

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6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment, including dust respirator.

Avoid dust formation.

Avoid breathing dust.

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:

Pick up and arrange disposal without creating dust.

Sweep up, shovel or collect spillage with an electrically protected vacuum cleaner.

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 formation of dust or aerosols.

Avoid breathing vapors, mist or dust.

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.

Storage Requirements:

Keep away from heat, sparks and flames.

Do not store in direct sunlight.

Store away from strong acids, strong bases, strong oxidizing agents, Amines, Copper and its alloys (Brass, etc.), Cadmium and Nickel.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

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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 glasses, gloves and apron according to HMIS PP, C. 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 Neoprene, 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 gloves, apron and safety glasses are recommended. Type of protective equipment should be selected based on concentration amount and conditions of use of this material.

Respiratory protection:

Full-face dust/vapor respirator may be required as 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:

Contains no substances with occupational exposure limit values.

Biological occupational exposure limits:

Contains no substances with biological occupational exposure limits values.

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PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Off-White to Yellow Powder	Odor:	Surfactant-Like
Physical State:	Solid	Molecular Formula:	MIXTURE
Odor Threshold:	Not determined	Solubility:	100%
Particle Size:	No data available	Softening Point:	Not determined
Spec Grav./Density:	DNA	Percent Volatile:	DNA
Viscosity:	Not determined	Heat Value:	Not determined
Sat. Vap. Conc.:	DNA	Freezing/Melting Pt.:	Not determined
Boiling Point:	Not determined	Flash Point:	550° C (1022° F)
Flammability:	(solid, gas): Combustible Dust	Octanol:	Not determined
Partition Coefficient:	Not determined	Vapor Density:	(air = 1): Not determined
Vapor Pressure:	(mm Hg @ 20 °C): DNA	VOC:	DNA
pH:	@ 10%: 10.0 - 12.0	Bulk Density:	Not determined
Evap. Rate:	DNA	Auto-Ignition Temp:	Not determined
Molecular weight:	MIXTURE	UFL/LFL:	DNA
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, Amines, Copper and its alloys (Brass, etc.), Cadmium and Nickel.
Hazardous Decomposition:	Carbon Oxides, Nitrogen Oxides (NOx), Sodium Oxides and Sulfur Oxides.
Hazardous Polymerization:	Will not occur.

11 TOXICOLOGICAL INFORMATION

Component(s): Carbonic acid disodium salt; Benzenesulfonic acid, 3-nitro-, sodium salt; Sulfur

CAS No(s): 497-19-8; 127-68-4; 7704-34-9

Acute Toxicity:

LD50 Oral - Rat: 4,090 mg/kg

LD50 Dermal - Rabbit: > 2,000 mg/kg

LC50 Inhalation - Rat: > 9.23 mg/l (4 h)

LDLO Oral - Rabbit: 175 mg/kg

LDLO Intravenous - Rat: 8 mg/kg

LDLO Intravenous - Rabbit: 5 mg/kg

LDLO Intravenous - Dog: 10 mg/kg

LDLO Intraperitoneal - Guinea Pig: 55 mg/kg

Skin Corrosion/Irritation: Rabbit skin - Mild skin irritation (24 h).

Serious Eye Damage/Eye Irritation: Rabbit eyes - Eye irritation (24 h).

Respiratory or Skin Sensitation: May cause an allergic skin reaction.

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 IARC.

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: No data available.

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

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

Aspiration Hazard: No data available.

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Additional Information:

Component: Carbonic acid disodium salt; RTECS: VZ4050000

Component: Benzenesulfonic acid, 3-nitro-, sodium salt; RTECS: DB7195000

Component: Sulfur; RTECS: WS4250000

12**ECOLOGICAL INFORMATION****Component(s):** Carbonic acid disodium salt; Benzenesulfonic acid, 3-nitro-, sodium salt; Sulfur**CAS No(s):** 497-19-8; 127-68-4; 7704-34-9**Toxicity:***Toxicity to fish:*

LC50 - Oncorhynchus mykiss (Rainbow Trout): > 180 mg/l (96 h)

LC50 - Other Fish: 866 mg/l (96 h)

LC50 - Lepomis macrochirus (Bluegill): 300 mg/l (96 h)

LC50 - Leuciscus idus (Golden Orfe): > 500 mg/l (96 h)

Toxicity to daphnia and other aquatic invertebrates:

EC50 - Daphnia magna (Water Flea): 265 mg/l (48 h)

Toxicity to algae:

EC50 - Desmodesmus subspicatus (Green Algae): > 500 mg/l (72 h)

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 (US)

Non-regulated material, solid

IMDG

Not dangerous goods

IATA

Not dangerous goods

15 REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

*Carbonic acid disodium salt (497198 30-40%) NJHS, PA, SARA311/312, TSCA

*Benzenesulfonic acid, 3-nitro-, sodium salt (127684 20-30%) NJHS, PA, SARA311/312, TSCA

*Sulfur (7704349 1-5%) MASS, NJHS, PA, SARA311/312, TSCA

REGULATORY KEY DESCRIPTIONS

MASS = MA Massachusetts Hazardous Substances List
NJHS = New Jersey Right to Know Hazardous Substances
PA = PA Right-To-Know List of Hazardous Substances
SARA311/312 = SARA 311/312 Toxic Chemicals
TSCA = Toxic Substances Control Act

16 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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