

RP-92

SDS Number: 114 Revision Date: 1/3/2015

Page 1 of 11

1

PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

ABCO Products of Sacramento P.O. Box 188469 Sacramento, CA 95818

Contact: ABCO Products of Sacramento

Phone: +1-916-447-9931 **Fax:** +1-916-443-7466

Product Name: RP-92 Revision Date: 1/3/2015

Version: 1 SDS Number: 114

Common Name: Solvent-Based Coating

CAS Number: MIXTURE **Product Code:** ABCO J-31R

Chemical Family: Solvent-Surfactant Blend
Chemical Formula: *** PROPRIETARY ***

Product Use: Corrosion Prevention Coating

Emergency Phone: +1-800-424-9300 (CHEMTREC)

2

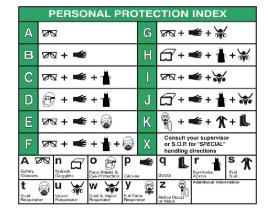
HAZARDS IDENTIFICATION

NFPA: HMIS III:



Health = 2, Fire = 2, Reactivity = 0 H*2/F2/PH0







RP-92

SDS Number: 114 Revision Date: 1/3/2015

Page 2 of 11

GHS Signal Word: DANGER

GHS Hazard Pictograms:







GHS Classifications:

Physical, Flammable Liquids, 3

Health, Acute toxicity, 4 Oral

Health, Aspiration hazard, 1

Health, Acute toxicity, 4 Dermal

Health, Skin corrosion/irritation, 2

Health, Serious Eye Damage/Eye Irritation, 2 A

Health, Acute toxicity, 4 Inhalation

Health, Acute toxicity, 5 Inhalation

Health, Specific target organ toxicity - Single exposure, 3

Health, Germ cell mutagenicity, 1

Health, Carcinogenicity, 1

GHS Phrases:

H226 - Flammable liquid and vapor

H302 - Harmful if swallowed

H304 - May be fatal if swallowed and enters airways

H312 - Harmful in contact with skin

H315 - Causes skin irritation

H319 - Causes serious eve irritation

H332 - Harmful if inhaled

H333 - May be harmful if inhaled

H335 - May cause respiratory irritation

H336 - May cause drowsiness or dizziness

H340 - May cause genetic defects

H350 - May cause cancer

GHS Precautionary Statements:

P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking

P233 - Keep container tightly closed.

P240 - Ground/bond container and receiving equipment.

P241 - Use explosion-proof electrical/ventilating/light/equipment.

P242 - Use only non-sparking tools.

P243 - Take precautionary measures against static discharge.

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.

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.



RP-92

SDS Number: 114 Revision Date: 1/3/2015

Page 3 **of** 11

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).

P332+313 - If skin irritation occurs: Get medical advice/attention.

P337+313 - If eye irritation persists: Get medical advice/attention.

P362 - Take off contaminated clothing and wash before reuse.

P370+378 - In case of fire: Use water spray, water fog, alcohol-resistant foam, dry chemical or carbon dioxide for extinction.

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.

Additional Hazard Statements (EU):

EUH066 - Repeated exposure may cause skin dryness or cracking.

Ingredients:

3

COMPOSITION/INFORMATION ON INGREDIENTS

Cas #	Percentage	Chemical Name
64742-88-7	40-50%	Solvent naphtha, petroleum, medium aliph.
64742-95-6	20-30%	Solvent naphtha, petroleum, light arom.
95-63-6	15-20%	1,2,4-Trimethylbenzene
None	0-10%	Trade Secret*
108-67-8	1-5%	1,3,5-Trimethylbenzene
1330-20-7	1-5%	Xylene
98-82-8	1-5%	Cumene
25340-17-4	1-5%	Diethylbenzene

*The specific chemical identities of the ingredients of this mixture labeled as "Trade Secret" are considered to be proprietary and are withheld in accordance with the provisions of 29CFR1910.1200 Sect. (i) Trade Secrets.

4 FIRST AID MEASURES

Inhalation: If inhaled, move person into fresh air. Monitor respiratory function. If breathing is difficult, provide oxygen.

If not breathing, give artificial respiration. If symptoms persist, obtain medical attention.

Skin Contact: Promptly flush skin with water for at least 15 minutes to ensure all chemical is removed. Remove

contaminated clothing and wash before reuse. 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. Remove

contact lenses is present and easy to do so. If irritation persists, obtain medical attention.

Ingestion: Rinse mouth with water. Do NOT induce vomiting unless instructed to do so. Material can enter lungs

(aspiration hazard) during swallowing or vomiting resulting in lung inflammation or other lung injury. 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. Inhalation of high concentrations of this material, as could occur in enclosed spaces or improper use, may be associated with cardiac arrhythmias. Sympathomimetic drugs may initiate cardiac arrhythmias in persons exposed to this material. This material has



RP-92

SDS Number: 114 Revision Date: 1/3/2015

Page 4 of 11

as aspiration hazard. Any potential danger from aspiration must be weighed against possible oral toxicity when determining whether to induce vomiting. Consider activated charcoal and/or gastric lavage.

Indication of any immediate medical attention and special treatment needed:

No data available.

5

FIRE FIGHTING MEASURES

Flammability: Combustible Liquid Class II **Flash Point:** 100 -105 °F (37.78 - 40.56 °C)

Flash Point Method: (TCC)

Burning Rate: No data available
Autoignition Temp: No data available

LEL: 1.0% (V)
UEL: 7.0% (V)

Extinguishing Media:

Water Spray Water Fog Carbon Dioxide Alcohol-Resistant Foam Dry Chemical

Special Hazards Arising From the Substance or Mixture:

Aldehydes
Barium Oxides
Carbon Oxides
Hydrocarbon particulate
Nitrogen Oxides (NOx)
Sulfur Oxides

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.

Do NOT use high volume water jet to extinguish fire, as the force of the water jet may cause fire to spread.

Beware of vapors accumulating to form explosive concentrations.

Vapors can accumulate in low areas.

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.



RP-92

SDS Number: 114 Revision Date: 1/3/2015

Page 5 **of** 11

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.

Remove all sources of ignition.

If any equipment is necessary, ensure that it is non-sparking and electrically-protected.

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:

Ensure adequate ventilation.

Contain spillage and absorb with liquid-binding material (sand, diatomite, universal binders, vermiculite) and placed in container for disposal.

Spill may also be diluted with equal volume of water and absorbed (as above) or collect with an electrically-protected vacuum cleaner or by wet-brushing. Collected waste should then be placed in container for disposal.

Dispose of contaminated material according to Section 13.

Reference to Other Sections:

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.

HANDLING AND STORAGE

Handling Precautions: Avoid breathing vapors or mist.

Avoid contact with eyes, skin, or clothing. Keep containers closed when not in use.

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

Keep away from sources of ignition. Do not smoke while using material.

Take measures to prevent the buildup of electrosatic charge.

Do not puncture or drop containers.

Handle with care and avoid spillage on the floor (slippage).

Keep material out of reach of children.

Keep material away from incompatible materials.

Wash thoroughly after handling.

Storage Requirements: Keep container tightly closed.

Avoid inhalation of vapors or mist upon opening container.

Store in a well-ventilated place.

Do not store at elevated temperatures.

Do not store in direct sunlight.

Store away from strong acids, strong bases, strong oxidizing agents, Amines, Alkalis, liquid

Chlorine, Oxygen and Chlorates.



RP-92

SDS Number: 114 Revision Date: 1/3/2015

Page 6 **of** 11

8

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, 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 PVC, butyl-rubber, neoprene, nitrile or fluorinated-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, safety goggles 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 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:

Component(s): Solvent naphtha, petroleum, light arom.; 1,2,4-Trimethylbenzene; 1,3,5-Trimethylbenzene; Xylene;

Cumene: Diethylbenzene

CAS No(s): 64742-95-6; 95-63-6; 108-67-8; 1330-20-7; 98-82-8; 25340-17-4

USA NIOSH (TWA/REL): 125 mg/m³ USA ACGIH (TWA/TLV): 245 mg/m³ USA ACGIH (STEL/TLV): 655 mg/m³

USA OSHA - Table Z-1 Limits for Air Contaminants (TWA): 245 mg/m³ USA OSHA - Table Z-1 Limits for Air Contaminants (STEL): 655 mg/m³

USA OSHA Occupational Exposure Limits Table Z-1 Limits for Air Contaminants (TWA): 245 mg/m³

USA Workplace Environmental Exposure Levels (WEEL): 27.45 mg/m³

Biological occupational exposure limits:

Component: Xylene CAS-No: 1330-20-7

Parameters: Methylhippuric acids Biological Spoecimen: Urine

USA ACGIH Biological Exposure Indices: 1,500 mg/g



RP-92

SDS Number: 114 Revision Date: 1/3/2015

Page 7 **of** 11

9

PHYSICAL AND CHEMICAL PROPERTIES

Clear, Amber Liquid Appearance:

Physical State: Liquid Odor: Solvent-Like **Odor Threshold:** Molecular Formula: Not determined **MIXTURE Particle Size:** Not determined Solubility: Not determined Spec Grav./Density: 0.823 g/ml (6.87 lbs/gal) **Softening Point:** Not determined

Not determined **Percent Volatile:** Viscosity: 89.35%

Sat. Vap. Conc.: Not determined **Heat Value:** Not determined > 152.22 °C (306 °F) **Boiling Point:** Freezing/Melting Pt.: Not determined

Flammability: (solid, gas): Flammable Flash Point: 37.78 - 40.56 °C (100 -105 °F)

Partition Coefficient: Not determined Octanol: Not determined Vapor Pressure: (mm Hg @ 20 °C): Not determined Vapor Density: (air = 1): > 1.0

VOC: 736 g/l pH: Not determined

Bulk Density:

Not determined Evap. Rate: (N-Butyl Acetate = 1): Not determined Molecular weight: **MIXTURE** Auto-Ignition Temp: Not determined **Decomp Temp:** Not determined UFL/LFL: (% v/v): 7.0/1.0

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, Alkalis, liquid Chlorine, Oxygen

and Chlorates.

Aldehydes, Barium Oxides, Carbon Oxides, Hydrocarbon particulate, Nitrogen Oxides (NOx) **Hazardous Decomposition:**

and Sulfur Oxides.

Hazardous Polymerization: Will not occur.

11

TOXICOLOGICAL INFORMATION

Component(s): Solvent naphtha, petroleum, light arom.; 1,2,4-Trimethylbenzene; Trade Secret; 1,3,5-Trimethylbenzene;

Xvlene: Cumene: Diethylbenzene

CAS No(s): 64742-95-6; 95-63-6; None; 108-67-8; 1330-20-7; 98-82-8; 25340-17-4

Acute Toxicity:

LD50 Oral - Rat: > 2,000 mg/kg NOAEL Feed - Rat: 535.8 mg/kg LD50 Dermal - Rabbit: > 1,700 mg/kg

LC50 Inhalation - Rat: 6000-10000 mg/m³ (4 h)

Skin Corrosion/Irritation: Rabbit skin - Irritating to skin (4 h).

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

Respiratory or Skin Sensitation: No data available.

Germ Cell Mutagenicity: In vitro studies show positive results of mutagenicity.

Carcinogenicity: In vivo studies show positive results of kidney cancer.



RP-92

SDS Number: 114 Revision Date: 1/3/2015

Page 8 of 11

This product is or contains components that are possibly classifiable as to their carcinogenicity based on their IARC, ACGIH, NTP, or OSHA classification.

IARC: 2B - Group 2B: Possibly carcinogenic to humans (Cumene); 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Xylene).

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: This material may be harmful to the human fetus based on positive test results with laboratory animals.

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

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

Aspiration Hazard: My be fatal if swallowed and enters airways.

Additional Information:

Component: Solvent naphtha, petroleum, light arom.; RTECS: WF3400000

Component: 1,2,4-Trimethylbenzene; RTECS: DC3325000 Component: 1,2,5-Trimethylbenzene; RTECS: OX6825000

Component: Xylene; RTECS: ZE2100000 Component: Cumene; RTECS: GR8575000 Component: Diethylbenzene; RTECS: CZ5600000

12

ECOLOGICAL INFORMATION

Component(s): Solvent naphtha, petroleum, light arom.: 1,2,4-Trimethylbenzene; Trade Secret; 1,3,5-Trimethylbenzene;

Xylene: Cumene: Diethylbenzene

CAS No(s): 64742-95-6; 95-63-6; None; 108-67-8; 1330-20-7; 98-82-8; 25340-17-4

Toxicity:

Toxicity to fish:

LC50 - Oncorhynchus mykiss (Rainbow Trout): 4.8 mg/l (96 h)

LC50 - Carassius auratus (Goldfish): 12.52 mg/l (96 h)

LC50 - Morone saxatillis: 2 mg/l (96 h)

Flow-through test LC50 - Pimephales promelas (Fathead Minnow): 7.72 mg/l (96 h) Semi-static test LC50 - Oncorhynchus mykiss (Rainbow Trout): 0.673 mg/l (96 h)

Toxicity to daphnia and other aquatic invertebrates:

EC50 - Daphnia magna (Water Flea): 75.49 mg/l (24 h)

EC50 - Daphnia: 2.14 mg/l (48 h)

Immobilization EC50 - Daphnia magna (Water Flea): 6 mg/l (48 h) Static test EC50 - Daphnia magna (Water Flea): 2.01 mg/l (48 h)

Toxicity to algae:

EC50 - Pseudokirchneriella subspicatus (Green Algae): 2.6 mg/l (72 h)



RP-92

SDS Number: 114 Revision Date: 1/3/2015

Page 9 **of** 11

Growth Inhibition EC50 - Pseudokirchneriella subcapitata: 72 mg/l (14 d)

Static test EC50 - Pseudokirchneriella subspicatus (Selenastrum capricornutum): 1.21 mg/l (72 h)

Toxicity to bacteria:

Respiration Inhibition NOEC - Sludge Treatment: > 1,000 mg/l (3 h)

Persistence and Degradability:

Not readily biodegradable.

Bioaccumulative potential:

Most of the hydrocarbon blocks comprising Naphtha Solvents have a $Log_{KOW} > 3$, indicating that these constituents have a potential to bioaccumulate.

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. Very toxic to aquatic life with long lasting effects.

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.

14 TRANSPORT INFORMATION

DOT Class: Flammable Liquid (3) #3

UN #: UN 1993, Class: 3, Proper Shipping Name: Flammable liquids, n.o.s. (Aromatic petroleum naphtha)

DOT (US)

UN Number: UN1993

Class: 3

Packing Group: III ERG #: 128

Proper Shipping Name: Flammable liquids, n.o.s. (Aromatic petroleum naphtha)

Marine Pollutant: Yes

Poison Inhalation Hazard(s): No

DOT (US) Non-Bulk (under 119 gallons)

Non-regulated material, liquid

IMDG

UN Number: UN1993

Class: 3

Packing Group: III



RP-92

SDS Number: 114 Revision Date: 1/3/2015

Page 10 of 11

EMS-No: F-E, S-E

Proper Shipping Name: Flammable liquids, n.o.s. (Aromatic petroleum naphtha)

Marine Pollutant: Yes

IATA

UN Number: UN1993

Class: 3

Packing Group: III ERG #: 128

Proper Shipping Name: Flammable liquids, n.o.s. (Aromatic petroleum naphtha)



15

REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

- *Solvent naphtha, petroleum, medium aliph. (64742887 40-50%) NJHS, PA, SARA311/312, TSCA
- *Solvent naphtha, petroleum, light arom. (64742956 20-30%) NJHS, PA, PROP65, TSCA
- *1,2,4-Trimethylbenzene (95636 15-20%) MASS, NJHS, PA, SARA311/312, SARA313, TSCA, TXAIR
- *Trade Secret (None 0-10%) TSCA
- *1,3,5-Trimethylbenzene (108678 1-5%) MASS, NJHS, PA, SARA311/312, TSCA
- *Xylene (1330207 1-5%) CERCLA, CSWHS, EPCRAWPC, HAP, MASS, NJHS, OSHAWAC, PA, SARA313, TOXICRCRA, TSCA, TXAIR, TXHWL
- *Cumene (98828 1-5%) CERCLA, HAP, MASS, NJHS, OSHAWAC, PA, PROP65, SARA313, TOXICRCRA, TSCA, TXAIR, **TXHWL**
- *Diethylbenzene (25340174 1-5%) NJHS, PA, SARA311/312, TSCA, TXAIR

REGULATORY KEY DESCRIPTIONS

CERCLA = Superfund clean up substance

CSWHS = Clean Water Act Hazardous substances

EPCRAWPC = EPCRA Water Priority Chemicals

HAP = Hazardous Air Pollutants

MASS = MA Massachusetts Hazardous Substances List

NJHS = NJ Right-to-Know Hazardous Substances

OSHAWAC = 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

TOXICRCRA = RCRA Toxic Hazardous Wastes (U-List)

TSCA = Toxic Substances Control Act

TXAIR = TX Air Contaminants with Health Effects Screening Level

TXHWL = TX Hazardous Waste List



RP-92

SDS Number: 114 Revision Date: 1/3/2015

Page 11 of 11

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.

Preparation Information:

GHS Conversion Services www.ghsconversionservices.com (669) 236-0304