



Material Safety Data Sheet

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SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: D114, No Rinse Wash & Shine (21-35D): D11401, D11405
MANUFACTURER: Meguiar's, Inc.
DIVISION: Meguiar's

ADDRESS: 17991 Mitchell South, Irvine, CA 92614

Telephone: 949-752-8000 (Fax: 949-752-5784)

EMERGENCY PHONE: CHEMTREC 1-800-424-9300 (24 hours)

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Product Use:

Intended Use: Automotive
 Specific Use: Car wash

SECTION 2: INGREDIENTS

<u>Ingredient</u>	<u>C.A.S. No.</u>	<u>% by Wt</u>
WATER	7732-18-5	70 - 90
PROPYLENE GLYCOL	57-55-6	3 - 7
ETHOXYLATED ALCOHOLS	68991-48-0	3 - 7
LINEAR ALKYL QUATERNARY AMMONIUM COMPOUND	Trade Secret	1 - 5
BENZALDEHYDE	100-52-7	<= 0.12

SECTION 3: HAZARDS IDENTIFICATION

3.1 EMERGENCY OVERVIEW

Odor, Color, Grade: Sweet cherry smell. Blue.

General Physical Form: Liquid

Immediate health, physical, and environmental hazards: May cause target organ effects.

3.2 POTENTIAL HEALTH EFFECTS

Eye Contact:

Mild Eye Irritation: Signs/symptoms may include redness, pain, and tearing.

Skin Contact:

Dermal Effects: Signs/symptoms may include localized redness, itching, drying and cracking of skin.

Allergic Skin Reaction (non-photo induced) in sensitive people: Signs/symptoms may include redness, swelling, blistering, and itching.

Inhalation:

No health effects are expected.

Ingestion:

Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

May be absorbed following ingestion and cause target organ effects.

Target Organ Effects:

Central Nervous System (CNS) Depression: Signs/symptoms may include headache, dizziness, drowsiness, incoordination, nausea, slowed reaction time, slurred speech, giddiness, and unconsciousness.

Carcinogenicity:

<u>Ingredient</u>	<u>C.A.S. No.</u>	<u>Class Description</u>	<u>Regulation</u>
Arsenic	7440382	Grp. 1: Carcinogenic to humans	International Agency for Research on Cancer
Arsenic	7440382	Known human carcinogen	National Toxicology Program Carcinogens
Arsenic	7440382	Cancer hazard	OSHA Carcinogens
ARSENIC COMPOUNDS, INORGANIC	S~AS~I	Grp. 1: Carcinogenic to humans	International Agency for Research on Cancer
ARSENIC COMPOUNDS, INORGANIC	S~AS~I	Known human carcinogen	National Toxicology Program Carcinogens
ARSENIC COMPOUNDS, INORGANIC	S~AS~I	Cancer hazard	OSHA Carcinogens
Cadmium	7440439	Grp. 1: Carcinogenic to humans	International Agency for Research on Cancer
Cadmium	7440439	Known human carcinogen	National Toxicology Program Carcinogens
Cadmium	7440439	Cancer hazard	OSHA Carcinogens
CADMIUM COMPOUNDS	S~CD~C	Grp. 1: Carcinogenic to humans	International Agency for Research on Cancer
CADMIUM COMPOUNDS	S~CD~C	Known human carcinogen	National Toxicology Program Carcinogens
CADMIUM COMPOUNDS	S~CD~C	Cancer hazard	OSHA Carcinogens

CHROMIUM (HEXAVALENT COMPOUNDS)	S~CR6~C	Grp. 1: Carcinogenic to humans	International Agency for Research on Cancer
CHROMIUM (HEXAVALENT COMPOUNDS)	S~CR6~C	Known human carcinogen	National Toxicology Program Carcinogens
CHROMIUM (HEXAVALENT COMPOUNDS)	S~CR6~C	Cancer hazard	OSHA Carcinogens
Lead	7439921	Grp. 2B: Possible human carc.	International Agency for Research on Cancer
Lead	7439921	Anticipated human carcinogen	National Toxicology Program Carcinogens
LEAD COMPOUNDS	S~PB~C	Anticipated human carcinogen	National Toxicology Program Carcinogens
Nickel	7440020	Grp. 2B: Possible human carc.	International Agency for Research on Cancer
Nickel	7440020	Anticipated human carcinogen	National Toxicology Program Carcinogens
NICKEL COMPOUNDS	S~NI~C	Grp. 1: Carcinogenic to humans	International Agency for Research on Cancer
NICKEL COMPOUNDS (EXCEPT ALLOYS)	S~NI~CE2	Known human carcinogen	National Toxicology Program Carcinogens

SECTION 4: FIRST AID MEASURES

4.1 FIRST AID PROCEDURES

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed.

Eye Contact: Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention.

Skin Contact: Remove contaminated clothing and shoes. Immediately flush skin with large amounts of water. Get medical attention. Wash contaminated clothing and clean shoes before reuse.

Inhalation: No need for first aid is anticipated.

If Swallowed: Do not induce vomiting unless instructed to do so by medical personnel. Give victim two glasses of water. Never give anything by mouth to an unconscious person. Get medical attention.

SECTION 5: FIRE FIGHTING MEASURES

5.1 FLAMMABLE PROPERTIES

Autoignition temperature	<i>No Data Available</i>
Flash Point	Flash point > 93 °C (200 °F)
Flammable Limits(LEL)	<i>Not Applicable</i>
Flammable Limits(UEL)	<i>Not Applicable</i>

5.2 EXTINGUISHING MEDIA

Use fire extinguishers with class B extinguishing agents (e.g., dry chemical, carbon dioxide).

5.3 PROTECTION OF FIRE FIGHTERS

Special Fire Fighting Procedures: Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).

Unusual Fire and Explosion Hazards: Not applicable.

Note: See STABILITY AND REACTIVITY (SECTION 10) for hazardous combustion and thermal decomposition information.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate unprotected and untrained personnel from hazard area. The spill should be cleaned up by qualified personnel. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice. Warning! A motor could be an ignition source and could cause flammable gases or vapors in the spill area to burn or explode.

6.2. Environmental precautions

For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water. Place in a closed container approved for transportation by appropriate authorities. Dispose of collected material as soon as possible.

Clean-up methods

Observe precautions from other sections. Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Collect as much of the spilled material as possible. Clean up residue with water.

In the event of a release of this material, the user should determine if the release qualifies as reportable according to local, state, and federal regulations.

SECTION 7: HANDLING AND STORAGE

7.1 HANDLING

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Avoid breathing of vapors, mists or spray. For industrial or professional use only. Avoid contact with oxidizing agents.

7.2 STORAGE

Store away from acids. Keep container tightly closed. Store away from oxidizing agents. Keep from freezing. Store in a cool, dry place.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 ENGINEERING CONTROLS

Use in a well-ventilated area.

8.2 PERSONAL PROTECTIVE EQUIPMENT (PPE)

8.2.1 Eye/Face Protection

Avoid eye contact.

The following eye protection(s) are recommended: Safety Glasses with side shields

8.2.2 Skin Protection

Avoid skin contact. Gloves not normally required.

Select and use gloves and/or protective clothing to prevent skin contact based on the results of an exposure assessment. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible materials.

Gloves made from the following material(s) are recommended: Butyl Rubber
 Neoprene
 Nitrile Rubber

8.2.3 Respiratory Protection

Avoid breathing of vapors, mists or spray.

An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure:

Half facepiece or full facepiece air-purifying respirator suitable for particulates

For questions about suitability for a specific application, consult with your respirator manufacturer.

8.2.4 Prevention of Swallowing

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water.

8.3 EXPOSURE GUIDELINES

<u>Ingredient</u>	<u>Authority</u>	<u>Type</u>	<u>Limit</u>	<u>Additional Information</u>
1,2-Propanediol	AIHA	TWA, as aerosol	10 mg/m3	
Arsenic	ACGIH	TWA, as As	0.01 mg/m3	
Arsenic	OSHA	TWA	0.01 mg/m3	29 CFR 1910.1018
ARSENIC COMPOUNDS, INORGANIC	ACGIH	TWA, as As	0.01 mg/m3	
ARSENIC COMPOUNDS, INORGANIC	OSHA	TWA	0.01 mg/m3	29 CFR 1910.1018
BENZALDEHYDE	AIHA	TWA	8.7 mg/m3	Dermal Sensitizer
BENZALDEHYDE	AIHA	STEL	17.4 mg/m3	Dermal Sensitizer
Cadmium	ACGIH	TWA, as Cd, respirable	0.002 mg/m3	
Cadmium	ACGIH	TWA, as Cd	0.01 mg/m3	
Cadmium	OSHA	TWA	0.005 mg/m3	29 CFR 1910.1027
Cadmium	OSHA	TWA, as fume	0.1 mg/m3	
Cadmium	OSHA	TWA, as dust	0.2 mg/m3	
Cadmium	OSHA	CEIL, as fume	0.3 mg/m3	
Cadmium	OSHA	CEIL, as dust	0.6 mg/m3	
CADMIUM COMPOUNDS	ACGIH	TWA, as Cd, respirable	0.002 mg/m3	
CADMIUM COMPOUNDS	ACGIH	TWA, as Cd	0.01 mg/m3	
CADMIUM COMPOUNDS	OSHA	TWA	0.005 mg/m3	29 CFR 1910.1027
CHROMATES	OSHA	CEIL	0.1 mg/m3	
Chromium	ACGIH	TWA, as Cr	0.5 mg/m3	
Chromium	OSHA	TWA, as Cr	1 mg/m3	
CHROMIUM (HEXAVALENT COMPOUNDS)	OSHA	TWA	0.005 mg/m3	Skin Notation*; 29 CFR 1910.1026
Chromium(6+), insoluble inorganic compounds	ACGIH	TWA, as Cr	0.01 mg/m3	
Chromium, insoluble salts	OSHA	TWA, as Cr	1 mg/m3	
Lead	ACGIH	TWA, as Pb	0.05 mg/m3	
Lead	OSHA	TWA	0.05 mg/m3	29 CFR 1910.1025
Mercury	ACGIH	TWA, as Hg	0.025 mg/m3	Skin Notation*
Mercury	OSHA	CEIL	0.1 mg/m3	
Nickel	ACGIH	TWA, inhalable fraction	1.5 mg/m3	
Nickel	OSHA	TWA, as Ni	1 mg/m3	
POLYETHYLENE GLYCOLS	AIHA	TWA, as particulate	10 mg/m3	
PROPYLENE GLYCOL	AIHA	TWA, as aerosol	10 mg/m3	
Selenium	ACGIH	TWA, as Se	0.2 mg/m3	
SELENIUM COMPOUNDS	ACGIH	TWA, as Se	0.2 mg/m3	
SELENIUM COMPOUNDS	OSHA	TWA, as Se	0.2 mg/m3	
Water-soluble inorganic Cr(6+) compounds	ACGIH	TWA, as Cr	0.05 mg/m3	

SOURCE OF EXPOSURE LIMIT DATA:

ACGIH: American Conference of Governmental Industrial Hygienists
 CMRG: Chemical Manufacturer Recommended Guideline
 OSHA: Occupational Safety and Health Administration
 AIHA: American Industrial Hygiene Association Workplace Environmental Exposure Level (WEEL)

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Odor, Color, Grade:	Sweet cherry smell. Blue.
General Physical Form:	Liquid
Autoignition temperature	<i>No Data Available</i>
Flash Point	Flash point > 93 °C (200 °F)
Flammable Limits(LEL)	<i>Not Applicable</i>
Flammable Limits(UEL)	<i>Not Applicable</i>
Boiling Point	<i>No Data Available</i>
Density	1 g/ml
Vapor Density	<i>No Data Available</i>
Vapor Pressure	<i>No Data Available</i>
Specific Gravity	1 [<i>Ref Std: WATER=1</i>]
pH	6.90 - 7.80
Melting point	<i>No Data Available</i>
Solubility in Water	Complete
Evaporation rate	<i>No Data Available</i>
Volatile Organic Compounds	0 %
Kow - Oct/Water partition coef	<i>No Data Available</i>
Viscosity	<i>No Data Available</i>

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable.

Materials and Conditions to Avoid:

10.1 Conditions to avoid

None known

10.2 Materials to avoid

Strong oxidizing agents
 Strong acids

Hazardous Polymerization: Hazardous polymerization will not occur.

Hazardous Decomposition or By-Products

Substance

Aldehydes
Carbon monoxide
Carbon dioxide

Condition

During Combustion
During Combustion
During Combustion

SECTION 11: TOXICOLOGICAL INFORMATION

Please contact the address listed on the first page of the MSDS for Toxicological Information on this material and/or its components.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION

Not determined.

CHEMICAL FATE INFORMATION

Not determined.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method: Incinerate in an industrial or commercial facility in the presence of a combustible material. As a disposal alternative, dispose of waste product in a facility permitted to accept chemical waste.

EPA Hazardous Waste Number (RCRA): Not regulated

Since regulations vary, consult applicable regulations or authorities before disposal.

SECTION 14: TRANSPORT INFORMATION

General Transportation Statement This product does not require classification by DOT, IATA, ICAO or IMDG

ID Number(s):

14-1000-6488-1, 14-1000-6489-9

Please contact the emergency numbers listed on the first page of the MSDS for Transportation Information for this material.

SECTION 15: REGULATORY INFORMATION

US FEDERAL REGULATIONS

Contact manufacturer for more information

311/312 Hazard Categories:

Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No Immediate Hazard - Yes Delayed Hazard - No

STATE REGULATIONS

Contact manufacturer for more information
CALIFORNIA PROPOSITION 65

<u>Ingredient</u>	<u>C.A.S. No.</u>	<u>Classification</u>
ARSENIC COMPOUNDS, INORGANIC	None	**Carcinogen
CADMIUM COMPOUNDS	None	*Male reproductive toxin
CADMIUM COMPOUNDS	None	**Carcinogen
CADMIUM COMPOUNDS	None	*Developmental Toxin
CHROMIUM (HEXAVALENT COMPOUNDS)	None	*Female reproductive toxin
CHROMIUM (HEXAVALENT COMPOUNDS)	None	*Male reproductive toxin
CHROMIUM (HEXAVALENT COMPOUNDS)	None	**Carcinogen
CHROMIUM (HEXAVALENT COMPOUNDS)	None	*Developmental Toxin
Arsenic	None	**Carcinogen
Cadmium	None	*Male reproductive toxin
Cadmium	None	**Carcinogen
Cadmium	None	*Developmental Toxin
Lead	None	*Female reproductive toxin
Lead	None	*Male reproductive toxin
Lead	None	**Carcinogen
Lead	None	*Developmental Toxin
Mercury	None	*Developmental Toxin
Nickel	None	**Carcinogen
LEAD COMPOUNDS	None	*Female reproductive toxin
LEAD COMPOUNDS	None	*Male reproductive toxin
LEAD COMPOUNDS	None	**Carcinogen
LEAD COMPOUNDS	None	*Developmental Toxin
MERCURY COMPOUNDS	None	*Developmental Toxin
NICKEL COMPOUNDS	None	**Carcinogen

* WARNING: contains a chemical or chemicals which can cause birth defects or other reproductive harm.

** WARNING: contains a chemical which can cause cancer.

CHEMICAL INVENTORIES

The components of this product are in compliance with the chemical notification requirements of TSCA.

Contact manufacturer for more information

INTERNATIONAL REGULATIONS

Contact manufacturer for more information

This MSDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.

SECTION 16: OTHER INFORMATION**NFPA Hazard Classification****Health: 1 Flammability: 1 Reactivity: 0 Special Hazards: None**

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

Revision Changes:
Not available.

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