Last-N-Last Marine & Door Waterborne Spar Varnish Gloss

SECTION 1: Identification

Product identifier

Product name: Last-N-Last Marine & Door Waterborne Spar Varnish Gloss
Product code: 94001, 94004

Recommended use of the product and restriction on use

Relevant identified uses: Finishes, Coatings, and Related Materials
Uses advised against: Not determined or not applicable.
Reasons why uses advised against: Not determined or not applicable.

Manufacturer or supplier details

Manufacturer:
United States
Absolute Coatings
1999 Elizabeth Street
North Brunswick , New Jersey 089026316
(732)821-3200

Emergency telephone number:

United States
CHEMTREC
(703)527-3887 (24 HRS)
(800)424-9300

SECTION 2: Hazard(s) identification

GHS classification:

Skin irritation, category 2
Eye irritation, category 2A
Skin sensitization, category 1
Carcinogenicity, category 2
Reproductive toxicity, category 1B

Label elements

Hazard pictograms:

Signal word: Danger

Hazard statements:

H315 Causes skin irritation
H319 Causes serious eye irritation
H317 May cause an allergic skin reaction
H351 Suspected of causing cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)
H360 May damage fertility or the unborn child (state specific effect if known) (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)

Precautionary statements:

P264 Wash skin thoroughly after handling
P280 Wear protective gloves/protective clothing/eye protection/face protection
P261 Avoid breathing dust/fume/gas/mist/vapors/spray
P272 Contaminated work clothing must not be allowed out of the workplace
P201 Obtain special instructions before use
P202 Do not handle until all safety precautions have been read and understood
P302+P352 IF ON SKIN: Wash with plenty of water/ ...
P321 Specific treatment (see ... on this label)
P332+P313 If skin irritation occurs: Get medical advice/attention
P362 Take off contaminated clothing and wash it before reuse
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337+P313 If eye irritation persists: Get medical advice/attention
P333+P313 If skin irritation or rash occurs: Get medical advice/attention
P363 Wash contaminated clothing before reuse
P308+P313 IF exposed or concerned: Get medical advice/attention
P405 Store locked up
P501 Dispose of contents/container to...

Hazards not otherwise classified: None

SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: 108-01-0	2-dimethylaminoethanol	<6
CAS number: 872-50-4	1-methyl-2-pyrrolidone	<10
CAS number: 330-54-1	diuron (ISO); 3-(3,4-dichlorophenyl)-1,1-dimethylurea	<0.2
CAS number: 41556-26-7	bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	<0.2

Additional Information: None

SECTION 4: First aid measures

Description of first aid measures

General notes:

Show this Safety Data Sheet to the doctor in attendance.

After inhalation:

If inhaled, remove person to fresh air and place in a position comfortable for breathing. Keep person at rest. If breathing is difficult, administer oxygen. If breathing has stopped, provide artificial respiration. If experiencing respiratory symptoms, seek medical advice/attention.

If inhaled, remove person to fresh air and place in a position comfortable for breathing. Keep person at rest. If breathing is difficult, administer oxygen. If breathing has stopped, provide artificial respiration. If symptoms develop or persist, seek medical advice/attention.

After skin contact:

Remove contaminated clothing and shoes. Rinse skin with copious amounts of water [shower] for several

minutes. Launder contaminated clothing before reuse. If symptoms develop or persist, seek medical advice/attention.

After eye contact:

Rinse eyes with plenty of water for several minutes. Remove contact lenses if present and easy to do so. Protect unexposed eye. If symptoms develop or persist, seek medical advice/attention.

Rinse eyes with plenty of gently flowing lukewarm water for 15 minutes. Remove contact lenses if present and easy to do so. Protect unexposed eye. If symptoms develop or persist, seek medical advice/attention.

After swallowing:

If swallowed, DO NOT induce vomiting unless told to do so by a physician or poison control center. Rinse mouth with water. Never give anything by mouth to an unconscious person. If spontaneous vomiting occurs, place on the left side with head down to prevent aspiration of liquid into the lungs. If symptoms develop or persist, seek medical advice/attention.

Most important symptoms and effects, both acute and delayed

Acute symptoms and effects:

Skin contact may result in redness, pain, burning and inflammation.

Eye contact may result in irritation, redness, pain, inflammation, itching, burning and tearing.

Dermal exposure may cause an allergic skin reaction. Symptoms may include irritation, redness, pain, rash, inflammation, itching, burning and dermatitis.

Delayed symptoms and effects:

Effects are dependent on exposure (dose, concentration, contact time).

Suspected of causing cancer.

Long term exposure may affect fertility. Symptoms include, but are not limited to: menstrual problems, altered sexual behavior/fertility/ and pregnancy outcome. Long term exposure may also affect development of the unborn child. Symptoms include, but are not limited to: intrauterine growth retardation, pre-term birth, birth defects and postnatal death.

Immediate medical attention and special treatment

Specific treatment:

Effects are dependent on exposure (dose, concentration, contact time).

Notes for the doctor:

Treat symptomatically.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media:

Water mist/fog, carbon dioxide, dry chemical or alcohol resistant foam.

Unsuitable extinguishing media:

Do not use water jet.

Specific hazards during fire-fighting:

Thermal decomposition may produce irritating/toxic fumes/gases.

Special protective equipment for firefighters:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA with a full-face piece operated in positive pressure mode).

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full-face piece operated in positive pressure mode.

Special precautions:

Avoid contact with skin, eyes, hair and clothing. Do not breathe fumes/gas/mists/aerosols/vapors/dusts. Move containers from fire area if safe to do so. Use water spray/fog for cooling fire exposed containers. Avoid unnecessary run-off of extinguishing media which may cause pollution.

Avoid contact with skin, eyes, hair and clothing. Do not breathe fumes/gas/mists/aerosols/vapors/dusts. Move containers from fire area if safe to do so. Use water spray/fog for cooling fire exposed containers. Avoid unnecessary run-off of extinguishing media which may cause pollution.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Evacuate unnecessary personnel. Ventilate area. Extinguish any sources of ignition. Wear recommended personal protective equipment (see Section 8). Avoid contact with skin, eyes and clothing. Avoid breathing mist, vapor, dust, fume and spray. Do not walk through spilled material. Wash thoroughly after handling.

Evacuate unnecessary personnel. Ventilate area. Extinguish any sources of ignition. Wear recommended personal protective equipment (see Section 8). Do not get on skin, eyes or on clothing. Avoid breathing mist. vapor, dust, fume and spray. Do not walk through spilled material. Wash thoroughly after handling. Remove contaminated clothing and launder before reuse.

Environmental precautions:

Prevent further leakage or spillage if safe to do so. Prevent from reaching drains, sewers and waterways. Discharge into the environment must be avoided.

Methods and material for containment and cleaning up:

Do not touch damaged containers or spilled material unless wearing appropriate personal protective clothing. Stop leak if you can do it without risk. Contain and collect spillage and place in suitable container for future disposal. Dispose of in accordance with all applicable regulations (see Section 13).

Do not touch damaged containers or spilled material unless wearing appropriate personal protective clothing. Avoid breathing dust, mist, fumes, vapors or spray. Stop leak if you can do it without risk. Contain and collect spillage and place in suitable container for future disposal. Dispose of in accordance with all applicable regulations (see Section 13).

Reference to other sections:

For personal protective equipment see Section 8. For disposal see Section 13.

SECTION 7: Handling and storage

Precautions for safe handling:

Use appropriate personal protective equipment (see Section 8). Use only with adequate ventilation. Avoid breathing mist/vapor/spray/dust. Do not eat, drink, smoke, or use personal products when handling chemical substances. Avoid contact with skin, eyes and clothing. Wash affected areas thoroughly after handling. Keep away from incompatible materials (See Section 10). Keep containers tightly closed when not in use.

Conditions for safe storage, including any incompatibilities:

Store in cool, dry, well-ventilated location out of direct sunlight. Keep away from food and beverages. Protect from freezing and physical damage. Store away from heat, open flames and other sources of ignition. Keep container tightly sealed. Store away from incompatible materials (See Section 10).

SECTION 8: Exposure controls/personal protection

Only those substances with limit values have been included below.

Occupational Exposure limit values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
WEEL	1-methyl-2-pyrrolidone	872-50-4	8-Hour TWA: 10 ppm
	1-methyl-2-pyrrolidone	872-50-4	8-Hour TWA: 40 mg/m³
United States(California)	1-methyl-2-pyrrolidone	872-50-4	8-Hour TWA: 1 ppm
	1-methyl-2-pyrrolidone	872-50-4	8-Hour TWA: 4 mg/m³
	diuron (ISO); 3-(3,4-dichlorophenyl)-1,1-dimethylurea	330-54-1	8-Hour TWA: 10 mg/m³
ACGIH	diuron (ISO); 3-(3,4-dichlorophenyl)-1,1-dimethylurea	330-54-1	8-Hour TWA: 10 mg/m³
NIOSH	diuron (ISO); 3-(3,4-dichlorophenyl)-1,1-dimethylurea	330-54-1	REL: 10 mg/m³
OSHA	diuron (ISO); 3-(3,4-dichlorophenyl)-1,1-dimethylurea	330-54-1	8-Hour TWA: 10 mg/m³

Biological limit values:

Country (Legal Basis)	Substance	Identifier	Determinant	Specimen	Sampling time	Permissible limits
ACGIH	1-methyl-2-pyrrolidone	872-50-4	5-Hydroxy-N-methyl-2-pyrrolidone	Urine	End of shift	100 mg/L

Information on monitoring procedures:

Not determined or not applicable.

Appropriate engineering controls:

Emergency eye wash stations and safety showers should be available in the immediate vicinity of use or handling. Provide adequate ventilation to maintain the airborne concentrations of vapor, mists, and/or dusts below the applicable workplace exposure limits, while observing recognized national standards (or equivalent).

Personal protection equipment

Eye and face protection:

Safety glasses or goggles. Use eye protection equipment that has been tested and approved by recognized national standards (or equivalent).

Skin and body protection:

Chemical resistant, impervious gloves approved by the appropriate standards. Gloves must be inspected prior to use. Avoid skin contact with used gloves. Appropriate techniques should be used to remove used gloves and contaminated clothing. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Ensure that all personal protective equipment is approved by recognized national standards (or equivalent).

Respiratory protection:

If engineering controls do not maintain airborne concentrations below the applicable workplace exposure limits, or to an acceptable level (if exposure limits have not been established), a respirator approved by recognized national standards (or equivalent) must be worn.

If engineering controls do not maintain airborne concentrations below the applicable workplace exposure limits, or to an acceptable level (if exposure limits have not been established), a respirator approved by recognized national standards (or equivalent) must be worn. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.

General hygienic measures:

When handling chemical products, do not eat, drink or smoke. Wash hands after handling, before breaks,

and at the end of the workday. Avoid contact with skin, eyes and clothing. Wash contaminated clothing before reuse. Perform routine housekeeping.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Golden brown liquid
Odor	Mild
Odor threshold	N/A
pH	8 - 9
Melting point/freezing point	N/A
Initial boiling point/range	100°C
Flash point (closed cup)	N/A
Evaporation rate	N/A
Flammability (solid, gas)	N/A
Upper flammability/explosive limit	N/A
Lower flammability/explosive limit	N/A
Vapor pressure	N/A
Vapor density	N/A
Density	1.05 +/- 0.02 g/cc
Relative density	1.05 +/- 0.02
Solubilities	Miscible with water
Partition coefficient (n-octanol/water)	N/A
Auto/Self-ignition temperature	N/A
Decomposition temperature	N/A
Dynamic viscosity	N/A
Kinematic viscosity	N/A
Explosive properties	N/A
Oxidizing properties	N/A

Other information

SECTION 10: Stability and reactivity

Reactivity:
Not reactive under recommended handling and storage conditions.

Chemical stability:
Stable under recommended handling and storage conditions.

Possibility of hazardous reactions:
Hazardous reactions are not anticipated under recommended conditions of handling and storage.

Conditions to avoid:
Extreme heat, open flames, hot surfaces, sparks, ignition sources and incompatible materials.

Incompatible materials:
None known.

Hazardous decomposition products:
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

Acute toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data:

Name	Route	Result
2-dimethylaminoethanol	oral	LD50 Rat: 1182 mg/kg
	inhalation	LC50 Rat: 1647 ppmV (4 hours)
	dermal	LD50 Rabbit: >3000 mg/kg
1-methyl-2-pyrrolidone	oral	LD50 Rat: 4150 mg/kg
	inhalation	LC50 Rat: >5.1 mg/L (4 hours)
	dermal	LD50 Rat: >5000 mg/kg
diuron (ISO); 3-(3,4-dichlorophenyl)-1,1-dimethylurea	oral	LD50 Rat: 1017 mg/kg
	inhalation	LC50 Rat: >5.05 mg/L (4 hours)
	dermal	LD50 Rat: >5000 mg/kg

Skin corrosion/irritation

Assessment:

Causes skin irritation.

Product data:

No data available.

Substance data:

Name	Result
2-dimethylaminoethanol	Causes severe skin burns and eye damage.
1-methyl-2-pyrrolidone	Causes skin irritation.

Serious eye damage/irritation

Assessment:

Causes serious eye irritation.

Product data:

No data available.

Substance data:

Name	Result
1-methyl-2-pyrrolidone	Causes serious eye irritation.

Respiratory or skin sensitization

Assessment:

May cause an allergic skin reaction.

Product data:

No data available.

Substance data:

Name	Result
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	May cause an allergic skin reaction.

Carcinogenicity

Assessment:
Suspected of causing cancer.
Product data: No data available.
Substance data: No data available.
International Agency for Research on Cancer (IARC): None of the ingredients are listed.
National Toxicology Program (NTP): None of the ingredients are listed.
OSHA Carcinogens: Not applicable

Germ cell mutagenicity
Assessment: Based on available data, the classification criteria are not met.
Product data:
No data available.
Substance data: No data available.

Reproductive toxicity
Assessment:
May damage fertility or the unborn child.
Product data:
No data available.
Substance data:

Name	Result
1-methyl-2-pyrrolidone	May damage fertility or the unborn child (developmental effects).

Specific target organ toxicity (single exposure)
Assessment: Based on available data, the classification criteria are not met.
Product data:
No data available.
Substance data:

Name	Result
1-methyl-2-pyrrolidone	May cause respiratory irritation.

Specific target organ toxicity (repeated exposure)
Assessment: Based on available data, the classification criteria are not met.
Product data:
No data available.
Substance data:

Name	Result
diuron (ISO); 3-(3,4-dichlorophenyl)-1,1-dimethylurea	May cause damage to organs (blood) through repeated or prolonged inhalation.

Aspiration toxicity
Assessment: Based on available data, the classification criteria are not met.
Product data:
No data available.
Substance data: No data available.

Information on likely routes of exposure:
No data available.
Symptoms related to the physical, chemical and toxicological characteristics:
No data available.

Other information:
No data available.

SECTION 12: Ecological information

Acute (short-term) toxicity

Assessment: Based on available data, the classification criteria are not met.
Product data: No data available.
Substance data:

Name	Result
2-dimethylaminoethanol	LC50 Leuciscus idus: 146.63 mg/L (96 hours)
	LC50 Daphnia ,magna: 98.37 mg/L (48 hours)
1-methyl-2-pyrrolidone	LC50 Oncorhynchus mykiss: 500 mg/L (96 hours)
diuron (ISO); 3-(3,4-dichlorophenyl)-1,1-dimethylurea	LC50 Oncorhynchus mykiss: 14.7 mg/L (96 hours)
	EC50 Daphnia magna: 1.4 mg/L (48 hours)

Chronic (long-term) toxicity

Assessment: Based on available data, the classification criteria are not met.
Product data: No data available.
Substance data:

Name	Result
2-dimethylaminoethanol	EC50 Scenedesmus subspicatus: 66.08 mg/L (72 hours)
1-methyl-2-pyrrolidone	NOEC Daphnia magna: 12.5 mg/L (21 days)
diuron (ISO); 3-(3,4-dichlorophenyl)-1,1-dimethylurea	NOEC Danio rerio: 0.00119 mg/L (35 days)
	NOEC Daphnia magna: 0.56 mg/L (21 days)

Persistence and degradability

Product data: No data available.
Substance data:

Name	Result
2-dimethylaminoethanol	Readily biodegradable.
1-methyl-2-pyrrolidone	Readily biodegradable.
diuron (ISO); 3-(3,4-dichlorophenyl)-1,1-dimethylurea	Readily biodegradable.

Bioaccumulative potential

Product data: No data available.
Substance data:

Name	Result
2-dimethylaminoethanol	BCF: 3.162 L/kg
1-methyl-2-pyrrolidone	Low potential for bioaccumulation.
diuron (ISO); 3-(3,4-dichlorophenyl)-1,1-dimethylurea	BCF: 57.1

Mobility in soil

Product data: No data available.
Substance data:

Name	Result
2-dimethylaminoethanol	Koc (20°C): 0.848
1-methyl-2-pyrrolidone	Adsorption to the solid soil phase is not expected.
diuron (ISO); 3-(3,4-dichlorophenyl)-1,1-dimethylurea	Koc at 20°C: 395

Results of PBT and vPvB assessment

Product data:

PBT assessment: This product does not contain any substances that are assessed to be a PBT..

vPvB assessment: This product does not contain any substances that are assessed to be a vPvB..

Substance data:

PBT assessment:

2-dimethylaminoethanol	Substance is not PBT.
1-methyl-2-pyrrolidone	Substance is not PBT.
diuron (ISO); 3-(3,4-dichlorophenyl)-1,1-dimethylurea	Substance is not PBT.

vPvB assessment:

2-dimethylaminoethanol	Substance is not vPvB.
1-methyl-2-pyrrolidone	Substance is not vPvB.
diuron (ISO); 3-(3,4-dichlorophenyl)-1,1-dimethylurea	Substance is not vPvB.

Other adverse effects: No data available.

SECTION 13: Disposal considerations

Disposal methods:

Do not dump into any sewers, on the ground or into any body of water. Store material for disposal as indicated in Section 7 Handling and Storage. Dispose of in accordance with local, state, and federal laws and regulations. Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste.

Contaminated packages:

Not determined or not applicable.

SECTION 14: Transport information

United States Transportation of dangerous goods (49 CFR DOT)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

International Maritime Dangerous Goods (IMDG)

UN number	Not regulated

UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

SECTION 15: Regulatory information

United States regulations

Inventory listing (TSCA):

108-01-0	2-dimethylaminoethanol	Listed
872-50-4	1-methyl-2-pyrrolidone	Listed
330-54-1	diuron (ISO); 3-(3,4-dichlorophenyl)-1,1-dimethylurea	Listed
41556-26-7	bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Listed

Significant New Use Rule (TSCA Section 5): None of the ingredients are listed.

Export notification under TSCA Section 12(b): None of the ingredients are listed.

SARA Section 302 extremely hazardous substances: None of the ingredients are listed.

SARA Section 313 toxic chemicals:

108-01-0	2-dimethylaminoethanol	Not Listed
872-50-4	1-methyl-2-pyrrolidone	Listed
330-54-1	diuron (ISO); 3-(3,4-dichlorophenyl)-1,1-dimethylurea	Listed
41556-26-7	bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Not Listed

CERCLA:

330-54-1	diuron (ISO); 3-(3,4-dichlorophenyl)-1,1-dimethylurea	Listed	100 lbs

RCRA: None of the ingredients are listed.

Section 112(r) of the Clean Air Act (CAA): None of the ingredients are listed.

Massachusetts Right to Know:

108-01-0	2-dimethylaminoethanol	Listed
872-50-4	1-methyl-2-pyrrolidone	Listed
330-54-1	diuron (ISO); 3-(3,4-dichlorophenyl)-1,1-dimethylurea	Listed
41556-26-7	bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Not Listed

New Jersey Right to Know:

108-01-0	2-dimethylaminoethanol	Listed

872-50-4	1-methyl-2-pyrrolidone	Listed
330-54-1	diuron (ISO); 3-(3,4-dichlorophenyl)-1,1-dimethylurea	Listed
41556-26-7	bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Not Listed

New York Right to Know:

108-01-0	2-dimethylaminoethanol	Not Listed
872-50-4	1-methyl-2-pyrrolidone	Not Listed
330-54-1	diuron (ISO); 3-(3,4-dichlorophenyl)-1,1-dimethylurea	Listed
41556-26-7	bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Not Listed

Pennsylvania Right to Know:

108-01-0	2-dimethylaminoethanol	Listed
872-50-4	1-methyl-2-pyrrolidone	Listed
330-54-1	diuron (ISO); 3-(3,4-dichlorophenyl)-1,1-dimethylurea	Listed
41556-26-7	bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	Not Listed

California Proposition 65:

⚠**WARNING:** This product can expose you to diuron (ISO); 3-(3,4-dichlorophenyl)-1,1-dimethylurea; which is known to the State of California to cause cancer; and 1-methyl-2-pyrrolidone, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

SECTION 16: Other information

Abbreviations and Acronyms: None

Disclaimer:

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Absolute Coatings assumes no responsibility for injury to the vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, Absolute Coatings assumes no responsibility for injury to vendor or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.

NFPA: 2-1-0

HMIS: 2*-1-0

Initial preparation date: 05.13.2020

Revision Notes:

Revision Date	Notes
2020-05-08	Version 02

End of Safety Data Sheet