



Plastic All-in-One

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Date of issue: 7/27/2023 Version: 1.0

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product name : Plastic All-in-One

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Automotive Care Product

1.3. Supplier

Griot's Garage Inc.
3333 South 38th Street, Tacoma, WA 98409
2185 Airwest Blvd., Plainfield, IN 46168
Telephone: 800-345-5789
Fax: 888-252-2252
Email: info@griotsgarage.com
Website: www.griotsgarage.com

1.4. Emergency telephone number

Emergency number : 1-800-535-5053 in North America (USA, Canada, and Mexico), 1-352-323-3500 Outside North America

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

Skin corrosion/irritation, Category 2 H315 Causes skin irritation.
Serious eye damage/eye irritation, Category 2 H319 Causes serious eye irritation.
Full text of H-statements: see section 16

2.2. GHS Label elements, including precautionary statements

GHS US labelling

Hazard pictograms (GHS-US) :



Signal word (GHS US) :

Warning

Hazard statements (GHS US) :

H315 - Causes skin irritation.
H319 - Causes serious eye irritation.

Precautionary statements (GHS-US) :

P264 - Wash hands, forearms and face thoroughly after handling.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 - If on skin: Wash with plenty of water.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.

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2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS-US classification
Petroleum distillates, hydrotreated light	CAS-No.: 64742-47-8	10 – 30*	Flam. Liq. 2, H225 Asp. Tox. 1, H304
Morpholine	CAS-No.: 110-91-8	1 – 5*	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Acute Tox. 4 (Inhalation), H332 Skin Corr. 1, H314 Eye Dam. 1, H318

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after skin contact	: Irritation.
Symptoms/effects after eye contact	: Eye irritation.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire : Toxic fumes may be released.

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5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8 Exposure controls/personal protection.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Clean up liquid spill with absorbent material.
Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 8 : Exposure-controls/personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.
Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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No additional information available

Morpholine (110-91-8)

USA - ACGIH - Occupational Exposure Limits

ACGIH OEL TWA [ppm]	20 ppm
ACGIH chemical category	Not Classifiable as a Human Carcinogen, Skin - potential significant contribution to overall exposure by the cutaneous route

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Morpholine (110-91-8)

USA - OSHA - Occupational Exposure Limits

OSHA PEL TWA [1]	70 mg/m ³
OSHA PEL TWA [2]	20 ppm
Limit value category (OSHA)	prevent or reduce skin absorption

USA - IDLH - Occupational Exposure Limits

IDLH [ppm]	1400 ppm (10% LEL)
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USA - NIOSH - Occupational Exposure Limits

NIOSH REL TWA	70 mg/m ³
NIOSH REL TWA [ppm]	20 ppm
NIOSH REL STEL	105 mg/m ³
NIOSH REL STEL [ppm]	30 ppm
US-NIOSH chemical category	SK: SYS-DIR(COR) Apr 2017

Petroleum distillates, hydrotreated light (64742-47-8)

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.
Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

If concentrations exceed exposure limits, use a NIOSH approved respirator.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Appearance : Opaque liquid
Color : Light blue
Odor : Fruity
Odor threshold : No data available
pH : 9.6
Melting point : Not applicable
Freezing point : No data available
Boiling point : No data available

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Flash point	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: No data available
Density	: 8.2 lb/gal
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: 5516.109 mm ² /s
Viscosity, dynamic	: 5420 cP
Explosive limits	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Morpholine (110-91-8)

LD50 oral rat	1050 mg/kg
LD50 dermal rabbit	310 – 810 mg/kg
LC50 Inhalation - Rat [ppm]	> 8000 ppm (Exposure time: 8 h)

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Morpholine (110-91-8)	
ATE US (oral)	1050 mg/kg bodyweight
ATE US (dermal)	310 mg/kg bodyweight
ATE US (gases)	4500 ppmv/4h
ATE US (vapors)	11 mg/l/4h
ATE US (dust,mist)	1.5 mg/l/4h

Petroleum distillates, hydrotreated light (64742-47-8)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 2000 mg/kg
LC50 Inhalation - Rat	> 5.2 mg/l/4h
Skin corrosion/irritation	: Causes skin irritation. pH: 9.6

Morpholine (110-91-8)	
pH	13 (pure liquid)
Serious eye damage/irritation	: Causes serious eye irritation. pH: 9.6

Morpholine (110-91-8)	
pH	13 (pure liquid)
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

Morpholine (110-91-8)	
IARC group	3 - Not Classifiable
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Viscosity, kinematic	: 5516.109 mm ² /s

Petroleum distillates, hydrotreated light (64742-47-8)	
Viscosity, kinematic	1.17 mm ² /s
Symptoms/effects after skin contact	: Irritation.
Symptoms/effects after eye contact	: Eye irritation.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general :

Morpholine (110-91-8)	
LC50 - Fish [1]	350 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
LC50 - Fish [2]	375 – 460 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 96h - Algae [1]	28 mg/l (Species: Pseudokirchneriella subcapitata [static])

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Petroleum distillates, hydrotreated light (64742-47-8)

LC50 - Fish [1]	45 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
LC50 - Fish [2]	2.2 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])

12.2. Persistence and degradability

Petroleum distillates, hydrotreated light (64742-47-8)

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

Morpholine (110-91-8)

BCF - Fish [1]	0.3 – 2.8
Partition coefficient n-octanol/water (Log Pow)	-0.84 (at 25 °C (at pH 10.3))

Petroleum distillates, hydrotreated light (64742-47-8)

BCF - Fish [1]	61 – 159
Bioaccumulative potential	Not established.

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with local, state, and federal regulations.

SECTION 14: Transport information

14.1. UN number

No additional information available

14.2. UN proper shipping name

Proper Shipping Name (DOT) : No additional information available
Proper Shipping Name (TDG) : No additional information available
Proper Shipping Name (IMDG) : No additional information available
Proper Shipping Name (IATA) : No additional information available

14.3. Transport hazard class(es)

DOT
Transport hazard class(es) (DOT) : No additional information available

TDG
Transport hazard class(es) (TDG) : No additional information available

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IMDG

Transport hazard class(es) (IMDG) : No additional information available

IATA

Transport hazard class(es) (IATA) : No additional information available

14.4. Packing group

Packing group (DOT) : No additional information available

Packing group (TDG) : No additional information available

Packing group (IMDG) : No additional information available

Packing group (IATA) : No additional information available

14.5. Environmental hazards

Other information : No additional information available

14.6. Special precautions for user

DOT

No additional information available

TDG

No additional information available

IMDG

No additional information available

IATA

No additional information available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

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SARA Section 311/312 Hazard Classes	Skin corrosion or Irritation Serious eye damage or eye irritation
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All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

Aluminum oxide (Al2O3)	CAS-No. 1344-28-1	13.5%
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15.2. International regulations

CANADA

Morpholine (110-91-8)

Listed on the Canadian DSL (Domestic Substances List) inventory.

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Petroleum distillates, hydrotreated light (64742-47-8)

Listed on the Canadian DSL (Domestic Substances List) inventory.

EU-Regulations

Morpholine (110-91-8)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances.

Petroleum distillates, hydrotreated light (64742-47-8)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances) substances.

National regulations

Morpholine (110-91-8)

Listed on the AICS (the Australian Inventory of Chemical Substances)
Listed on Inventory of Chemicals and Chemical Substances (PICCS)
Listed on the Japanese ENCS (Existing & New Chemicals Substances) inventory.
Listed on the Korean ECL (Existing Chemical List) inventory.
Listed on Inventory of Existing Chemical Substances (IECSC)
Poisonous and Deleterious Substances Control Law
Listed on New Zealand - Inventory of Chemicals (NZIoC)
Listed on Industrial Safety and Health Law Substances (ISHL)
Listed on INSQ (Mexican national Inventory of Chemical Substances)
Taiwan Chemical Substance Inventory
Listed on the NCI (National Chemicals Inventory)
Listed on Thailand Existing Chemicals Inventory (DIW)

Petroleum distillates, hydrotreated light (64742-47-8)

Listed on the AICS (the Australian Inventory of Chemical Substances)
Listed on Inventory of Chemicals and Chemical Substances (PICCS)
Listed on the Korean ECL (Existing Chemical List) inventory.
Listed on Inventory of Existing Chemical Substances (IECSC)
Listed on New Zealand - Inventory of Chemicals (NZIoC)
Listed on INSQ (Mexican national Inventory of Chemical Substances)
Taiwan Chemical Substance Inventory
Listed on the NCI (National Chemicals Inventory)
Listed on Thailand Existing Chemicals Inventory (DIW)

15.3. US State regulations

Component	State or local regulations
Morpholine (110-91-8)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

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Full text of H-statements

H225	Highly flammable liquid and vapor.
H226	Flammable liquid and vapor.

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Full text of H-statements	
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.

Safety Data Sheet (SDS), USA

The data presented here relates only to the specific material designated herein and does not relate to use in combination with any other materials or in any process. The information set forth above is based on technical data believed 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 our control, no warranties, expressed or implied are made, and no liability is assumed in connection with any use of this information. Judgments as to the suitability of this information for the user's purposes are necessarily the user's responsibility. Although reasonable care has been taken in the preparation of this information, no responsibility is assumed as to the accuracy or suitability of this information for its application to the user's intended purpose or for consequences of its use.