

Safety Data Sheet

acc. to OSHA HCS

Printing date 11/07/2016

Reviewed on 11/07/2016

1 Identification

Product identifier

Trade name: MULTI-OIL

Article number: 105007

Application of the substance / the mixture

Screw loosening agent
Lubricating oil

Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Delaware Paint Company
8455 RAUSCH DR.
PLAIN CITY, OHIO 43064

Information department:

Delaware Paint Company
delawarepaint2@yahoo.com

Emergency telephone number:

(740) 368-9981

2 Hazard(s) identification

Classification of the substance or mixture



GHS02 Flame

Flam. Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurized container: May burst if heated.



GHS08 Health hazard

H304 May be fatal if swallowed and enters airways.



GHS07

H336 May cause drowsiness or dizziness.

Label elements

GHS label elements

The product is classified and labeled according to the CLP regulation.

GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

Hazard pictograms



GHS02



GHS07



GHS08

Signal word Danger

Hazard-determining components of labeling:

Naphtha (petroleum), hydrotreated heavy
solvent naphtha

Mineral Oil

2-Propanol

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Hazard statementsH222-H229 *Extremely flammable aerosol. Pressurized container: May burst if heated.*H336 *May cause drowsiness or dizziness.*H304 *May be fatal if swallowed and enters airways.***Precautionary statements**P210 *Keep away from heat/sparks/open flames/hot surfaces. No smoking.*P211 *Do not spray on an open flame or other ignition source.*P251 *Do not pierce or burn, even after use.*P261 *Avoid breathing dust/fume/gas/mist/vapors/spray*P271 *Use only outdoors or in a well-ventilated area.*P301+P310 *IF SWALLOWED: Immediately call a POISON CENTER/ doctor.*P304+P340 *IF INHALED: Remove person to fresh air and keep comfortable for breathing.*P312 *Call a POISON CENTER/doctor if you feel unwell.*P331 *Do NOT induce vomiting.*P405 *Store locked up.*P410+P412 *Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.*P403+P233 *Store in a well-ventilated place. Keep container tightly closed.*P501 *Dispose of contents/container in accordance with local/regional/national/international regulations.***Classification system:****NFPA ratings (scale 0 - 4)**

Health = 0

Fire = 4

Reactivity = 3

HMIS-ratings (scale 0 - 4)

Health = 0

Fire = 4

Reactivity = 3

Other hazards**Results of PBT and vPvB assessment** Not applicable.**PBT:** Not applicable.**vPvB:** Not applicable.

3 Composition/information on ingredients

Chemical characterization: Mixtures**Description:**

Mixture of the substances listed below with nonhazardous additions.

Active substance with propellant

Dangerous components:

64742-48-9	Naphtha (petroleum), hydrotreated heavy	25-75%
74-98-6	propane	10-<20%
75-28-5	isobutane	10-<20%
64742-49-0	solvent naphtha	10-<20%
8042-47-5	Mineral Oil	10-<15%

4 First-aid measures

Description of first aid measures**After inhalation:** Supply fresh air; consult doctor in case of complaints.**After skin contact:** Immediately wash with water and soap and rinse thoroughly.**After eye contact:** Rinse opened eye for several minutes under running water.

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Information for doctor:**Most important symptoms and effects, both acute and delayed** No further relevant information available.**Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

5 Fire-fighting measures

Extinguishing media**Suitable extinguishing agents:**CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.**Special hazards arising from the substance or mixture** No further relevant information available.**Advice for firefighters****Protective equipment:** Wear self-contained respiratory protective device.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Environmental precautions: Do not allow to enter sewers/ surface or ground water.**Methods and material for containment and cleaning up:**

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

No special measures required.

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 disposal information.

Protective Action Criteria for Chemicals**PAC-1:**

74-98-6	propane	5500* ppm
75-28-5	isobutane	5500* ppm
142-62-1	Hexoic acid	2.2 mg/m ³
	Propan-2-ol	400 ppm

PAC-2:

74-98-6	propane	17000** ppm
75-28-5	isobutane	17000** ppm
142-62-1	Hexoic acid	24 mg/m ³
	Propan-2-ol	2000* ppm

PAC-3:

74-98-6	propane	33000*** ppm
75-28-5	isobutane	53000*** ppm
142-62-1	Hexoic acid	140 mg/m ³
	Propan-2-ol	12000** ppm

7 Handling and storage

Handling:**Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.**Information about protection against explosions and fires:**

Do not spray on a naked flame or any incandescent material.

Keep ignition sources away - Do not smoke.

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Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C, i.e. electric lights. Do not pierce or burn, even after use.

Conditions for safe storage, including any incompatibilities**Storage:****Requirements to be met by storerooms and receptacles:**

Observe official regulations on storing packagings with pressurized containers.

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Keep receptacle tightly sealed.

Storage class: 2 B

Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

Additional information about design of technical systems: No further data; see item 7.

Control parameters**Components with limit values that require monitoring at the workplace:**

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits.

74-98-6 propane

PEL Long-term value: 1800 mg/m³, 1000 ppm

REL Long-term value: 1800 mg/m³, 1000 ppm

TLV refer to Appendix F in TLVs&BEIs book; NIC-EX

75-28-5 isobutane

TLV Short-term value: (2370) mg/m³, (1000) ppm
NIC-EX

Additional information: The lists that were valid during the creation were used as basis.

Exposure controls**Personal protective equipment:****General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Breathing equipment: Not required.

Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

For the permanent contact in work areas without heightened risk of injury (e.g. Laboratory) gloves made of the following material are suitable:

Butyl rubber, BR

For the permanent contact gloves made of the following materials are suitable: Butyl rubber, BR

For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:

Chloroprene rubber, CR

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Eye protection: Not required.

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9 Physical and chemical properties

Information on basic physical and chemical properties

General Information

Appearance:

Form:	Aerosol
Color:	According to product specification
Odor:	Mild

Change in condition

Boiling point/Boiling range: <0 °C (<32 °F)
Not applicable, as aerosol.

Flash point: -97 °C (-143 °F)

Ignition temperature: 240 °C (464 °F)

Danger of explosion: Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

Explosion limits:

Lower: 0.6 Vol %
Upper: 10.9 Vol %

Vapor pressure at 20 °C (68 °F): 8300 hPa (6226 mm Hg)

Density: Not determined.

Solubility in / Miscibility with

Water: Not miscible or difficult to mix.
Organic solvents: 69.0 %
VOC content: 83.4 %
833.8 g/l / 6.96 lb/gl

Other information No further relevant information available.

10 Stability and reactivity

Reactivity No further relevant information available.

Chemical stability

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Possibility of hazardous reactions No dangerous reactions known.

Conditions to avoid No further relevant information available.

Incompatible materials: No further relevant information available.

Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

Information on toxicological effects

Acute toxicity:

LD/LC50 values that are relevant for classification:

64742-48-9 Naphtha (petroleum), hydrotreated heavy

Oral	LD50	8000 mg/kg (rat)
Dermal	LD50	4000 mg/kg (rat)
Inhalative	LC50/4 h	>18.5 mg/l (rat)

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64742-49-0 solvent naphtha

Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rabbit)
Inhalative	LC50/4 h	>20 mg/l (rat)

Primary irritant effect:*on the skin:* No irritant effect.*on the eye:* No irritating effect.**Sensitization:** No sensitizing effects known.**Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

Carcinogenic categories**IARC (International Agency for Research on Cancer)**

67-63-0	2-Propanol	3
	Propan-2-ol	3
7631-86-9	Siliciumdioxid	3

NTP (National Toxicology Program)

None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

12 Ecological information**Toxicity****Aquatic toxicity:** No further relevant information available.**Persistence and degradability** No further relevant information available.**Behavior in environmental systems:****Bioaccumulative potential** No further relevant information available.**Mobility in soil** No further relevant information available.**Additional ecological information:****General notes:**

Water hazard class 2 (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

Results of PBT and vPvB assessment Not applicable.**Other adverse effects** No further relevant information available.**13 Disposal considerations****Waste treatment methods****Recommendation:**

Smaller quantities can be disposed of with household waste.

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned packagings:**Recommendation:** Disposal must be made according to official regulations.**14 Transport information****UN-Number**

DOT, ADR, IMDG, IATA

UN1950

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UN proper shipping name

DOT Aerosols, flammable
ADR 1950 Aerosols
IMDG AEROSOLS
IATA AEROSOLS, flammable

Transport hazard class(es)**DOT**

Class 2.1
Label 2.1

ADR

Class 2 5F Gases
Label 2.1

IMDG, IATA

Class 2.1
Label 2.1

Packing group

DOT, ADR, IMDG, IATA Void

Environmental hazards: Not applicable.

Special precautions for user

Warning: Gases

Danger code (Kemler):

-

EMS Number:

F-D,S-U

Stowage Code

SW1 Protected from sources of heat.

Segregation Code

SW22 For AEROSOLS with a maximum capacity of 1 litre:
 Category A. For AEROSOLS with a capacity above 1 litre:
 Category B. For WASTE AEROSOLS: Category C, Clear of
 living quarters.
 SG69 For AEROSOLS with a maximum capacity of 1 litre:
 Segregation as for class 9. Stow "separated from" class 1 except
 for division 1.4. For AEROSOLS with a capacity above 1 litre:
 Segregation as for the appropriate subdivision of class 2. For
 WASTE AEROSOLS: Segregation as for the appropriate
 subdivision of class 2.

**Transport in bulk according to Annex II of
MARPOL73/78 and the IBC Code**

Not applicable.

Transport/Additional information:**ADR****Excepted quantities (EQ)**

Code: E0

Not permitted as Excepted Quantity

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IMDG**Limited quantities (LQ)**

1L

Excepted quantities (EQ)

Code: E0

Not permitted as Excepted Quantity

UN "Model Regulation":

UN 1950 AEROSOLS, 2.1

15 Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Sara

Section 355 (extremely hazardous substances):

None of the ingredients is listed.

Section 313 (Specific toxic chemical listings):

67-63-0 2-Propanol

Propan-2-ol

TSCA (Toxic Substances Control Act):

74-98-6 propane

75-28-5 isobutane

8042-47-5 Mineral Oil

5131-66-8 3-butoxypropan-2-ol

124-22-1 dodecylamine

142-62-1 Hexoic acid

Propan-2-ol

Proposition 65**Chemicals known to cause cancer:**

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

Carcinogenic categories**EPA (Environmental Protection Agency)**

None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH)

67-63-0 2-Propanol

A4

Propan-2-ol

A4

NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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Department issuing SDS: Delaware Paint Company**Contact:** Aaron Dowis**Date of preparation / last revision** 11/07/2016 / -**Abbreviations and acronyms:***ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)**IMDG: International Maritime Code for Dangerous Goods**DOT: US Department of Transportation**IATA: International Air Transport Association**ACGIH: American Conference of Governmental Industrial Hygienists**EINECS: European Inventory of Existing Commercial Chemical Substances**ELINCS: European List of Notified Chemical Substances**CAS: Chemical Abstracts Service (division of the American Chemical Society)**NFPA: National Fire Protection Association (USA)**HMIS: Hazardous Materials Identification System (USA)**VOC: Volatile Organic Compounds (USA, EU)**LC50: Lethal concentration, 50 percent**LD50: Lethal dose, 50 percent**PBT: Persistent, Bioaccumulative and Toxic**vPvB: very Persistent and very Bioaccumulative**NIOSH: National Institute for Occupational Safety**OSHA: Occupational Safety & Health**TLV: Threshold Limit Value**PEL: Permissible Exposure Limit**REL: Recommended Exposure Limit**Flam. Aerosol 1: Aerosols – Category 1**STOT SE 3: Specific target organ toxicity (single exposure) – Category 3**Asp. Tox. 1: Aspiration hazard – Category 1*

US