

Safety Data Sheet

DIESTONE DLS - P28280-NA

Safety Data Sheet dated 6/8/2016, version 3

1. IDENTIFICATION

Product identifier

Mixture identification:

Trade name: DIESTONE DLS

Other means of identification:

MSDS code: P28280-NA

Recommended use of the chemical and restrictions on use

Recommended use:

Solvent

Cleaner

Industrial uses

Restrictions on use:

No uses advised against are identified.

2. HAZARD(S) IDENTIFICATION

Classification of the chemical



Warning, Flam. Liq. 3, Flammable liquid and vapour.



Warning, STOT SE 3, May cause drowsiness or dizziness.

Label elements

The product is not classified as dangerous according to OSHA Hazard Communication Standard (29 CFR 1910.1200).

Hazard pictograms:

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Warning

Hazard statements:

H226 Flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

Precautionary statements:

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

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P261 Avoid breathing vapours.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves and eye/face protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water/shower.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 Call a POISON CENTER if you feel unwell.

P370+P378 In case of fire, use a CO2 fire extinguisher to extinguish.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P403+P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

None

Hazards not otherwise classified identified during the classification process:

None

Ingredient(s) with unknown acute toxicity:

None.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

N.A.

Mixtures

Hazardous components within the meaning of 29 CFR 1910.1200 and related classification:

>= 70% - < 80% 1-methoxy-2-propanol; monopropylene glycol methyl ether

REACH No.: 01-2119457435-35, Index number: 603-064-00-3, CAS: 107-98-2, EC: 203-539-1



B.6/3 Flam. Liq. 3 H226



A.8/3 STOT SE 3 H336

>= 7% - < 10% HYDROTREATED HEAVY PETROLEUM NAPHTHA

CAS: 64742-48-9



B.6/3 Flam. Liq. 3 H226

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A.10/1 Asp. Tox. 1 H304



A.8/3 STOT SE 3 H336

4. FIRST-AID MEASURES

Description of necessary measures

In case of skin contact:

Immediately take off all contaminated clothing.

Remove contaminated clothing immediately and dispose off safely.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:

Do not induce vomiting. Obtain a medical examination.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

Most important symptoms/effects, acute and delayed

None

Indication of immediate medical attention and special treatment needed

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

Treatment:

No particular treatment.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

In case of fire, use a CO2 fire extinguisher to extinguish.

Unsuitable extinguishing media:

None in particular.

Specific hazards arising from the chemical

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

Hazardous combustion products:

None

Explosive properties: Not Relevant

Oxidizing properties: Not Relevant

Special protective equipment and precautions for fire-fighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures

Wear personal protection equipment.

Remove all sources of ignition.

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Provide adequate ventilation.

Remove persons to safety.

Use appropriate respiratory protection.

See protective measures under point 7 and 8.

Methods and materials for containment and cleaning up

Wash with plenty of water.

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7. HANDLING AND STORAGE

Precautions for safe handling

- Avoid contact with skin and eyes, inhalation of vapours and mists.
- Do not use on extensive surface areas in premises where there are occupants.
- Don't use empty container before they have been cleaned.
- Before making transfer operations, assure that there aren't any incompatible material residuals in the containers.
- Contaminated clothing should be changed before entering eating areas.
- Do not eat or drink while working.
- See also section 8 for recommended protective equipment.

Conditions for safe storage, including any incompatibilities

- Always keep in a well ventilated place.
- Keep away from unguarded flame, sparks, and heat sources. Avoid direct exposure to sunlight.
- Avoid accumulating electrostatic charge.
- Keep away from food, drink and feed.
- Incompatible materials:
- None in particular.
- Instructions as regards storage premises:
- Cool and adequately ventilated.
- Safety electric system.
- Storage temperature:
- Store at ambient temperature.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

- 1-methoxy-2-propanol; monopropylene glycol methyl ether - CAS: 107-98-2
- OEL Type: National - LTE(8h): 188 mg/m³, 50 ppm - STE: 375 mg/m³, 100 ppm - Notes: FRENCH-INRS- TMP N°84
- OEL Type: National - LTE: 370 mg/m³, 100 ppm - Notes: GERMAN
- OEL Type: EU - LTE(8h): 375 mg/m³, 100 ppm - STE: 563 mg/m³, 150 ppm - Notes: Bold-type: Indicative Occupational Exposure Limit Values [2,3] and Limit Values for Occupational Exposure [4] (for references see bibliography)
- OEL Type: ACGIH - LTE(8h): 50 ppm - STE: 100 ppm - Notes: A4 - Eye and URT irr

DNEL Exposure Limit Values

N.A.

PNEC Exposure Limit Values

N.A.

Appropriate engineering controls:

None

Individual protection measures

Eye protection:

Safety goggles (EN 166)

Protection for skin:

Chemical protection clothing.

Protection for hands:

- PVA (Polyvinyl alcohol).
- Butyl rubber (isobutylene-isoprene copolymer)

Respiratory protection:

- Use adequate protective respiratory equipment.
- Mask with filter "A1" , brown colour (NF EN14387)

Thermal Hazards:

None

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9. PHYSICAL AND CHEMICAL PROPERTIES

Properties	Value	Method:	Notes
Appearance and colour:	Clear Colourless liquid	--	--
Odour:	N.A.	--	--
Odour threshold:	N.A.	--	--
pH:	Not Relevant	--	--
Melting point / freezing point:	Not Relevant	--	--
Initial boiling point and boiling range:	120 127 174°C/248 262 346°F	--	--
Flash Point:	--	--	--
Evaporation rate:	0.6	NFT 3030	--
Solid/gas flammability:	N.A.	--	--
Upper/lower flammability or explosive limits:	7.6	--	--
Vapour pressure:	Not Relevant	--	--
Vapour density:	3.4	--	--
Relative density:	0,9	ISO 649, ASTM D1298	--
Solubility in water:	N.A.	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient (n-octanol/water):	<1	--	--
Auto-ignition temperature:	276 °C	--	--
Decomposition temperature:	N.A.	--	--
Viscosity:	N.A.	--	--
Explosive properties:	Not Relevant	--	--
Oxidizing properties:	Not Relevant	--	--

9.2. Other information

Properties	Value	Method:	Notes
Miscibility:	N.A.	--	--
Fat Solubility:	N.A.	--	--
Conductivity:	N.A.	--	--
Substance Groups relevant properties	N.A.	--	--

10. STABILITY AND REACTIVITY

Reactivity

It may generate dangerous reactions (See subsections below)

Chemical stability

It may generate dangerous reactions (See subsections below)

Possibility of hazardous reactions

None

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Conditions to avoid

Avoid accumulating electrostatic charge.

Incompatible materials

Avoid contact with combustible materials. The product could catch fire.

Hazardous decomposition products

None.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Toxicological information of the product:

N.A.

Toxicological information of the main substances found in the mixture:

HYDROTREATED HEAVY PETROLEUM NAPHTA - CAS: 64742-48-9

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 5000 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 4951 mg/m3

Substance(s) listed on the NTP report on Carcinogens:

None.

Substance(s) listed on the IARC Monographs:

None.

Substance(s) listed as OSHA Carcinogen(s):

None.

Substance(s) listed as NIOSH Carcinogen(s):

None.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Adopt good working practices, so that the product is not released into the environment.

HYDROTREATED HEAVY PETROLEUM NAPHTA - CAS: 64742-48-9

a) Aquatic acute toxicity:

Endpoint: LC50 - Species: Fish > 1000 mg/l - Duration h: 96 - Notes: Oncorhynchus mykiss

Endpoint: EC50 - Species: Algae > 1000 mg/l - Duration h: 72 - Notes:

Pseudokirchnerella subcapitata

Persistence and degradability

N.A.

Bioaccumulative potential

N.A.

Mobility in soil

N.A.

Other adverse effects

No harmful effects expected.

13. DISPOSAL CONSIDERATIONS

Waste treatment and disposal methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

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14. TRANSPORT INFORMATION



UN number

ADR-UN Number: 1993
DOT number: UN1993
IATA-UN Number: 1993
IMDG-UN Number: 1993

UN proper shipping name

ADR-Shipping Name: FLAMMABLE LIQUID, N.O.S. (1-methoxy-2-propanol; monopropylene glycol methyl ether, 2-methoxy-1-methylethyl acetate)
DOT-Shipping Name: FLAMMABLE LIQUID, N.O.S. (1-methoxy-2-propanol; monopropylene glycol methyl ether, 2-methoxy-1-methylethyl acetate)
IATA-Shipping Name: FLAMMABLE LIQUID, N.O.S. (1-methoxy-2-propanol; monopropylene glycol methyl ether, 2-methoxy-1-methylethyl acetate)
IMDG-Shipping Name: FLAMMABLE LIQUID, N.O.S. (1-methoxy-2-propanol; monopropylene glycol methyl ether, 2-methoxy-1-methylethyl acetate)

Transport hazard class(es)

ADR-Class: 3
DOT Hazard Class: 3
ADR - Hazard identification number: 30
IATA-Class: 3
IATA-Label: 3
IMDG-Class: 3

Packing group

ADR-Packing Group: III
DOT Packing group: III
IATA-Packing group: III
IMDG-Packing group: III

Environmental hazards

ADR-Environmental Pollutant: No
IMDG-Marine pollutant: No

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)
N.A.

Special precautions

DOT Special provisions: B1, B52, IB3, T4, TP1, TP29
DOT Labels: 3
ADR-Subsidiary risks: -
ADR-S.P.: 274 601 640E
ADR-Tunnel Restriction Code: (D/E)
IATA-Passenger Aircraft: 355
IATA-Subsidiary risks: -
IATA-Cargo Aircraft: 366
IATA-S.P.: A3
IATA-ERG: 3L

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IMDG-EmS:	F-E , S-E
IMDG-Subsidiary risks:	-
IMDG-Storage category:	Category A
IMDG-Storage notes:	-
Q.L.: 5L	
Q.E.: E1	

15. REGULATORY INFORMATION

USA - Federal regulations

TSCA - Toxic Substances Control Act

TSCA inventory: all the components are listed on the TSCA inventory.

TSCA listed substances:

1-methoxy-2-propanol; monopropylene glycol methyl ether is listed in TSCA Section 8b, Section 8d HSDR

HYDROTREATED HEAVY PETROLEUM NAPHTA is listed in TSCA Section 8b.

SARA - Superfund Amendments and Reauthorization Act

Section 302 – Extremely Hazardous Substances: no substances listed.

Section 304 – Hazardous substances: no substances listed.

Section 313 – Toxic chemical list: no substances listed.

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

No substances listed.

CAA - Clean Air Act

CAA listed substances:

1-methoxy-2-propanol; monopropylene glycol methyl ether is listed in CAA Section 112(b) - HON.

CWA - Clean Water Act

CWA listed substances:

None.

USA - State specific regulations

California Proposition 65

Substance(s) listed under California Proposition 65:

None.

Massachusetts Right to know

Substance(s) listed under Massachusetts Right to know:

1-methoxy-2-propanol; monopropylene glycol methyl ether.

New Jersey Right to know

Substance(s) listed under New Jersey Right to know:

1-methoxy-2-propanol; monopropylene glycol methyl ether.

Pennsylvania Right to know

Substance(s) listed under Pennsylvania Right to know:

1-methoxy-2-propanol; monopropylene glycol methyl ether.

The following substance(s) in this product has/have an identification by CAS number either in countries not affected by the REACH regulation or in regulations not yet updated to reflect the new naming convention for hydrocarbon solvents:

HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, <2%

AROMATICS (CAS: 64742-48-9)

16. OTHER INFORMATION

Full text of phrases referred to in Section 3:

H226 Flammable liquid and vapour.

H336 May cause drowsiness or dizziness.

H304 May be fatal if swallowed and enters airways.

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Disclaimer:

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. The information relates only to the specific material and may not be valid for such material used in combination with any other material or in any process.

This Safety Data Sheet cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
HMIS:	Hazardous Materials Identification System
IARC:	International Agency for Research on Cancer
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
LTE:	Long-term exposure.
NFPA:	National Fire Protection Association
NIOSH:	National Institute for Occupational Safety and Health
NTP:	National Toxicology Program
OSHA:	Occupational Safety and Health Administration
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STE:	Short-term exposure.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWATLV:	Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard).