



Conforms to OSHA Hazard Communication Standard (HCS) (29 CFR 1910.1200 / revised 2012)

SAFETY DATA SHEET

Rislone DPF Cleaner

SECTION 1: IDENTIFICATION

1.1. Product identifier

Trade name: Rislone DPF Cleaner
Product no.: 4744

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses of the substance or mixture: Additive
Uses advised against : None known.

1.3. Details of the supplier of the safety data sheet

▼*Company and address:* **Bar's Products**
P.O. Box 187
Holly, MI 48442
USA
(810) 603-1321
www.barsleaks.com

▼*E-mail:* support@barsleaks.com

SDS date: 2/19/2024

SDS Version: 3.0

Date of previous version: 2/14/2024 (3.0)

1.4. Emergency telephone number

ChemTel Inc.
(800) 255-3924 (North America)
+1 (813) 248-0585 (International)

SECTION 2: HAZARD(S) IDENTIFICATION

OSHA/HCS status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

2.1. Classification of the substance or mixture

Flam. Liq. 4; H227, Combustible liquid
Acute Tox. 4; H302, Harmful if swallowed.
Asp. Tox. 1; H304, May be fatal if swallowed and enters airways.
Acute Tox. 4; H332, Harmful if inhaled.
Muta. 1B; H340, May cause genetic defects.
Carc. 1B; H350, May cause cancer.
Carc. 2; H351, Suspected of causing cancer.
Repr. 1B; H360, May damage fertility or the unborn child.



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STOT RE 2; H373, May cause damage to organs through prolonged or repeated exposure.

2.2. Label elements

Hazard pictogram(s):



Signal word:

Danger

Hazard statement(s):

Combustible liquid (H227)
Harmful if swallowed or if inhaled.
(H302+H332)
May be fatal if swallowed and enters airways.
(H304)
May cause genetic defects. (H340)
May cause cancer. (H350)
Suspected of causing cancer. (H351)
May damage fertility or the unborn child.
(H360)
May cause damage to organs through
prolonged or repeated exposure. (H373)

Precautionary statement(s):

General:

If medical advice is needed, have product
container or label at hand. (P101)
Keep out of reach of children. (P102)

Prevention:

Obtain special instructions before use. (P201)
Keep away from heat, hot surfaces, sparks,
open flames and other ignition sources. No
smoking. (P210)
Do not breathe vapour/mist. (P260)
Wash hands and exposed skin thoroughly
after handling. (P264)
Do not eat, drink or smoke when using this
product. (P270)
Use only outdoors or in a well-ventilated area.
(P271)
Wear eye protection/protective
gloves/protective clothing. (P280)

Response:

IF SWALLOWED: Immediately call a POISON
CENTER/doctor. (P301+P310)
IF INHALED: Remove person to fresh air and
keep comfortable for breathing. (P304+P340)
IF exposed or concerned: Get medical
advice/attention. (P308+P313)
Call a POISON CENTER/doctor if you feel
unwell. (P312)
Get medical advice/attention if you feel
unwell. (P314)
Do NOT induce vomiting. (P331)
In case of fire: Use water mist/carbon
dioxide/alcohol-resistant foam to extinguish.
(P370+P378)



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Storage: Store in a well-ventilated place. Keep cool. (P403+P235)
Store locked up. (P405)

Disposal: Dispose of contents/container in accordance with local regulation (P501)

Additional labelling: Restricted to professional users.

2.3. Other hazards

Additional warnings: This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Distillates (petroleum), hydrotreated light paraffinic;Baseoil - unspecified;[A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 °F (19cSt at 40 °C). It contains a relatively large proportion of saturated hydrocarbons.]	CAS No.: 64742-55-8	25-40%	Asp. Tox. 1, H304	[19]
p-xylene;m-xylene;xylene;o-xylene	CAS No.: 1330-20-7	5-10%	Flam. Liq. 3, H226 Acute Tox. 4, H312 Skin Irrit. 2, H315 Acute Tox. 4, H332	
Solvent naphtha	CAS No.: 64742-94-5	1-3%	Flam. Liq. 3, H226	[19]



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(petroleum), heavy arom.			Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336	
ethylbenzene	CAS No.: 100-41-4	1-3%	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Acute Tox. 4, H332 STOT RE 2, H373	
naphthalene	CAS No.: 91-20-3	<1%	Acute Tox. 4, H302 Carc. 2, H351	
phenol, 2-dodecyl-, branched;phenol, dodecyl-, branched;phenol, 3-dodecyl-, branched;phenol, (tetrapropenyl) derivatives;phenol, 4-dodecyl-, branched	CAS No.: 210555-94-5	<0.25%	Skin Corr. 1C, H314 Eye Dam. 1, H318 Repr. 1B, H360	[19]
ethylenediamine;1,2-diaminoethane	CAS No.: 107-15-3	<0.25%	Flam. Liq. 3, H226 Acute Tox. 4, H302 Acute Tox. 3, H311 Skin Corr. 1B, H314 Skin Sens. 1B, H317 Acute Tox. 4, H332 Resp. Sens. 1B, H334	

Where the concentration of an ingredient is expressed as a range the exact concentration has been withheld as a trade secret.

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

[19] UVCB = Unknown or variable composition, complex reaction products or of biological materials

SECTION 4: FIRST-AID MEASURES

4.1. Description of first aid measures

General information:

If breathing is irregular, drowsiness, loss of consciousness or cramps: Call 911 and give immediate treatment (first aid).
Contact a doctor if in doubt about the injured person's condition or if the symptoms persist.



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<i>Inhalation:</i>	Never give an unconscious person water or other drink. Upon breathing difficulties or irritation of the respiratory tract: Bring the injured person into fresh air. Make sure the injured person is continuously monitored. Prevent shock by keeping the injured person warm and calm. If breathing ceases, give mouth-to-mouth resuscitation. If unconscious, roll the injured person into recovery position. Call an ambulance.
<i>Skin contact:</i>	Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners. If skin irritation occurs: Get medical advice/attention.
<i>Eye contact:</i>	If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Remove contact lenses. Seek medical assistance and continue flushing during transport.
<i>Ingestion:</i>	IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do not induce vomiting! If vomiting occurs, keep head facing down so that vomit does not get into the lungs. Call a doctor or ambulance. Symptoms of chemical pneumonia can appear after several hours. People who have swallowed the product should therefore be kept under medical attention for at least 48 hours.
<i>Burns:</i>	Not applicable.

4.2. Most important symptoms and effects, both acute and delayed

Headache, Methaemoglobinaemia (naphthalene)

This product contains substances that can cause chemical pneumonia if swallowed. Symptoms of chemical pneumonia may appear after several hours.

4.3. Indication of any immediate medical attention and special treatment needed

IF exposed or concerned:

Get immediate medical advice/attention.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.



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Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

5.2. **Special hazards arising from the substance or mixture**

Combustible liquid

In use may form flammable/explosive vapour-air mixture.

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO₂)

5.3. **Advice for firefighters**

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact the Poison Help Line on 1-800-222-1222 (24/7) in order to obtain further advice.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. **Personal precautions, protective equipment and emergency procedures**

Avoid direct contact with spilled substances.

Ensure adequate ventilation, especially in confined areas.

Avoid inhalation of vapours from spilled material.

Contaminated areas may be slippery.

6.2. **Environmental precautions**

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities.

6.3. **Methods and material for containment and cleaning up**

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. **Reference to other sections**

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: HANDLING AND STORAGE

7.1. **Precautions for safe handling**

Avoid direct contact with the product.

Avoid contact during pregnancy and while nursing.

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. **▼Conditions for safe storage, including any incompatibilities**

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material:

Always store in containers of the same material as the original container.



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▼ <i>Liquid class:</i>	Combustible Liquid / Class IIIA (NFPA 30)
<i>Storage temperature:</i>	Dry, cool and well ventilated
<i>Incompatible materials:</i>	Combustible materials

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

p-xylene;m-xylene;xylene;o-xylene

Short term exposure limit (STEL) (ACGIH TLV) (ppm): 150

Short term exposure limit (STEL) (NIOSH REL) (ppm): 150

Long term exposure limit (OSHA Table Z-1) (mg/m³): 435

Long term exposure limit (OSHA Table Z-1) (ppm): 100

Long term exposure limit (ACGIH TLV) (ppm): 100

ethylbenzene

Short term exposure limit (STEL) (NIOSH REL) (ppm): 125

Long term exposure limit (OSHA Table Z-1) (mg/m³): 435

Long term exposure limit (OSHA Table Z-1) (ppm): 100

Long term exposure limit (ACGIH TLV) (ppm): 20

naphthalene

Short term exposure limit (STEL) (ACGIH TLV) (ppm): 15

Short term exposure limit (STEL) (NIOSH REL) (ppm): 15

Long term exposure limit (OSHA Table Z-1) (mg/m³): 50

Long term exposure limit (OSHA Table Z-1) (ppm): 10

Long term exposure limit (ACGIH TLV) (ppm): 10

ethylenediamine;1,2-diaminoethane

Long term exposure limit (OSHA Table Z-1) (mg/m³): 25

Long term exposure limit (OSHA Table Z-1) (ppm): 10

Long term exposure limit (ACGIH TLV) (ppm): 10

Part 1910 - Occupational Safety and Health Standards (29 CFR 1910.1000 TABLE Z-1 - Limits for Air Contaminants)

8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations:

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:

There are no exposure scenarios implemented for this product.

Exposure limits:

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.



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Appropriate technical measures:

Do not recirculate outlet air that contain the substances.
The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked. Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures:

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.

Measures to avoid environmental exposure:

Keep damming materials near the workplace. If possible, collect spillage during work.

Individual protection measures, such as personal protective equipment


Generally:

Use only protective equipment with a recognized certification mark, e.g. the UL mark.


Respiratory Equipment:

No specific requirements


Skin protection:

Recommended	Type/Category	Standards	
Dedicated work clothing should be worn.	-	-	

Hand protection:

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
Gloves	-	-	EN374	

Eye protection:

Type	Standards	
Safety glasses with side shields.	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state:

Liquid

Colour:

Amber



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<i>Odour:</i>	Petroleum distillates
<i>Odour threshold (ppm):</i>	No data available
<i>pH:</i>	No data available
<i>Density (g/cm³):</i>	No data available
<i>Relative density:</i>	No data available
<i>Kinematic viscosity:</i>	Testing not relevant or not possible due to the nature of the product.

Phase changes

<i>Melting point (°F):</i>	No data available
<i>Softening point/range (waxes and pastes) (°F):</i>	Does not apply to liquids.
<i>Boiling point (°F):</i>	No data available
<i>Vapour pressure:</i>	No data available
<i>Relative vapour density:</i>	No data available
<i>Decomposition temperature (°F):</i>	No data available
<i>Evaporation rate (n-butylacetate = 100):</i>	No data available

Data on fire and explosion hazards

▼ <i>Flash point (°F):</i>	145.4
<i>Flash point (°C):</i>	63
<i>Flammability (°F):</i>	No data available
<i>Auto-ignition temperature (°F):</i>	No data available
<i>Explosion limits (% v/v):</i>	No data available

Solubility

<i>Solubility in water:</i>	No data available
<i>n-octanol/water coefficient (LogKow):</i>	Testing not relevant or not possible due to the nature of the product.
<i>Solubility in fat (g/L):</i>	No data available

9.2. Other information

<i>Evaporation rate (n-butylacetate = 100):</i>	No data available
<i>Other physical and chemical parameters:</i>	No data available.
<i>Oxidizing properties:</i>	No data available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 “Handling and storage”.

10.3. Possibility of hazardous reactions

None known.



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10.4. Conditions to avoid

Heat, flames, and sparks
Excessive heat

10.5. Incompatible materials

Strong acids
Strong oxidizing agents
Strong bases

10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity

Harmful if swallowed.
Harmful if inhaled.

Skin corrosion/irritation

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

Serious eye damage/irritation

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

Respiratory sensitisation

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

Skin sensitisation

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

Germ cell mutagenicity

May cause genetic defects.

Carcinogenicity

May cause cancer.
Suspected of causing cancer.

Reproductive toxicity

May damage fertility or the unborn child.

STOT-single exposure

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

STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard

May be fatal if swallowed and enters airways.

Long term effects

Carcinogenic effects: This product contains substances considered or proven to be carcinogenic. The carcinogenic effects may be triggered subsequent to exposure through inhalation, skin contact or ingestion.

Other information

p-xylene;m-xylene;xylene;o-xylene has been classified by IARC as a group 3 carcinogen.
ethylbenzene has been classified by IARC as a group 2B carcinogen.



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naphthalene has been classified by IARC as a group 2B carcinogen.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

No data available.

12.2. Persistence and degradability

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

12.3. Bioaccumulative potential

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

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

RCRA Hazardous waste ("P" and "U" list) (40 CFR 261)

p-xylene;m-xylene;xylene;o-xylene is listed with EPA Hazardous Waste Number: U239


naphthalene is listed with EPA Hazardous Waste Number: U165

Specific labelling

Contaminated packing


Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
DOT	-	-	-	-	-	-
IMDG	UN1993	FLAMMABLE LIQUID, N.O.S. (p-xylene;m-xylene;xylene;o-xylene, ethylbenzene)	Transport hazard class: 3 Label: 3 Classification code: F1 	III	No	Limited quantities: 5 L EmS: F-E S-E See below for additional information.
IATA	UN1993	FLAMMABLE LIQUID, N.O.S. (p-xylene;m-xylene;xylene;o-xylene, ethylbenzene)	Transport hazard class: 3 Label: 3 Classification code: F1	III	No	See below for additional information.



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	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
						

* Packing group

** Environmental hazards

Additional information

IMDG / See section 3.2.1, for any information on special provisions, requirements, or warnings in connection with transport.

IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with transport.

This product is within scope of the regulations of transport of dangerous goods.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No data available.

SECTION 15: REGULATORY INFORMATION

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

15.2. U.S. Federal regulations

TSCA (the non-confidential portion):

Distillates (petroleum), hydrotreated light paraffinic;Baseoil - unspecified;[A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 °F (19cSt at 40 °C). It contains a relatively large proportion of saturated hydrocarbons.] is listed
 p-xylene;m-xylene;xylene;o-xylene is listed
 Solvent naphtha (petroleum), heavy arom. is listed
 ethylbenzene is listed
 1,2,4-trimethylbenzene is listed
 naphthalene is listed
 phenol, 2-dodecyl-, branched;phenol, dodecyl-, branched;phenol, 3-dodecyl-, branched;phenol, (tetrapropenyl) derivatives;phenol, 4-dodecyl-, branched is listed
 ethylenediamine;1,2-diaminoethane is listed



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<i>Clean Air Act:</i>	p-xylene;m-xylene;xylene;o-xylene is regulated as a hazardous air pollutant (HAPS) ethylbenzene is regulated as a hazardous air pollutant (HAPS) naphthalene is regulated as a hazardous air pollutant (HAPS) ethylenediamine;1,2-diaminoethane is regulated by section 112(r) with a reportable quantity (RQ) of: 20000 pounds
<i>EPCRA Section 302:</i>	ethylenediamine;1,2-diaminoethane is regulated with a Treshold Planning Quantity (TPQ) of: 10000 pounds
<i>EPCRA Section 304:</i>	ethylenediamine;1,2-diaminoethane is regulated with a Reportable Quantity (RQ) of: 5000 pounds
<i>EPCRA section 313:</i>	p-xylene;m-xylene;xylene;o-xylene is listed ethylbenzene is listed 1,2,4-trimethylbenzene is listed naphthalene is listed
<i>CERCLA:</i>	p-xylene;m-xylene;xylene;o-xylene is regulated with a Reportable Quantity (RQ) of: 100 pounds ethylbenzene is regulated with a Reportable Quantity (RQ) of: 1000 pounds naphthalene is regulated with a Reportable Quantity (RQ) of: 100 pounds ethylenediamine;1,2-diaminoethane is regulated with a Reportable Quantity (RQ) of: 5000 pounds

State regulations

<i>California / Prop. 65:</i>	ethylbenzene is known to cause: Cancer NSRL/MADL ($\mu\text{g}/\text{day}$): 54 (inhalation) 41 (oral) — naphthalene is known to cause: Cancer NSRL/MADL ($\mu\text{g}/\text{day}$): 5,8 —
<i>Massachusetts / Right To Know Act:</i>	Distillates (petroleum), hydrotreated light paraffinic;Baseoil - unspecified;[A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C15 through C30 and produces a finished oil with a viscosity of less than 100 SUS at 100 °F (19cSt at 40 °C). It contains a relatively large proportion of saturated hydrocarbons.] is listed p-xylene;m-xylene;xylene;o-xylene is listed



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New Jersey / Right To Know Act:

ethylbenzene is listed
1,2,4-trimethylbenzene is listed
naphthalene is listed
ethylenediamine;1,2-diaminoethane is listed
p-xylene;m-xylene;xylene;o-xylene /
Substance number: 2014
p-xylene;m-xylene;xylene;o-xylene is on the
Special Health Hazard Substance List

—
ethylbenzene / Substance number: 0851
ethylbenzene is on the Special Health Hazard
Substance List

—
1,2,4-trimethylbenzene / Substance number:
2716

—
naphthalene / Substance number: 1322
naphthalene is on the Special Health Hazard
Substance List

—
ethylenediamine;1,2-diaminoethane /
Substance number: 0875
ethylenediamine;1,2-diaminoethane is on the
Special Health Hazard Substance List

New York / Right To Know Act:

—
p-xylene;m-xylene;xylene;o-xylene is listed
p-xylene;m-xylene;xylene;o-xylene is
regulated with a Reportable Quantity (RQ) of:
1000 pounds
p-xylene;m-xylene;xylene;o-xylene is
regulated with a Treshold Reporting Quantity
(TRQ) of: 0 pounds

—
ethylbenzene is listed
ethylbenzene is regulated with a Reportable
Quantity (RQ) of: 1000 pounds
ethylbenzene is regulated with a Treshold
Reporting Quantity (TRQ) of: 0 pounds

—
1,2,4-trimethylbenzene is listed
1,2,4-trimethylbenzene is regulated with a
Treshold Reporting Quantity (TRQ) of: 100
pounds

—
naphthalene is listed
naphthalene is regulated with a Reportable
Quantity (RQ) of: 100 pounds
naphthalene is regulated with a Treshold
Reporting Quantity (TRQ) of: 0 pounds

—
ethylenediamine;1,2-diaminoethane is listed



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ethylenediamine;1,2-diaminoethane is regulated with a Reportable Quantity (RQ) of: 5000 pounds

ethylenediamine;1,2-diaminoethane is regulated with a Treshold Reporting Quantity (TRQ) of: 10 pounds

ethylenediamine;1,2-diaminoethane is regulated with a Treshold Planning Quantity (TPQ) of: 10000 pounds

Pennsylvania / Right To Know Act:

p-xylene;m-xylene;xylene;o-xylene is listed hazardous to the environment (E)

ethylbenzene is listed
ethylbenzene is hazardous to the environment (E)

1,2,4-trimethylbenzene is listed
1,2,4-trimethylbenzene is hazardous to the environment (E)

naphthalene is listed
naphthalene is hazardous to the environment (E)

ethylenediamine;1,2-diaminoethane is listed
ethylenediamine;1,2-diaminoethane is hazardous to the environment (E)

15.4. Restrictions for application

Restricted to professional users.

Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

15.5. Demands for specific education

No specific requirements.

15.6. Additional information

If this product is sold in retail, it must be delivered with child-resistant fastening.

15.7. Chemical safety assessment

No

15.8. Sources

OSHA Hazard Communication Standard (29 CFR 1910.1200)

SECTION 16: OTHER INFORMATION

Full text of H-phrases as mentioned in section 3

H225, Highly flammable liquid and vapour.



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H226, Flammable liquid and vapour.
H302, Harmful if swallowed.
H304, May be fatal if swallowed and enters airways.
H311, Toxic in contact with skin.
H312, Harmful in contact with skin.
H314, Causes severe skin burns and eye damage.
H315, Causes skin irritation.
H317, May cause an allergic skin reaction.
H318, Causes serious eye damage.
H332, Harmful if inhaled.
H334, May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H336, May cause drowsiness or dizziness.
H351, Suspected of causing cancer.
H360, May damage fertility or the unborn child.
H373, May cause damage to organs through prolonged or repeated exposure.

The full text of identified uses as mentioned in section 1

None known.

Abbreviations and acronyms

ACGIH = American Conference of Governmental Industrial Hygienists
ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CERCLA = Comprehensive Environmental Response Compensation and Liability Act
DOT = Department of Transportation
EINECS = European Inventory of Existing Commercial chemical Substances
EPCRA = Emergency Planning and Community Right-To-Know Act
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
HCIS = Hazardous Chemical Information System
HNOC = Hazards Not Otherwise Classified
IARC = International Agency for Research on Cancer
IATA = International Air Transport Association
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
NFPA = National Fire Protection Association
NIOSH = National Institute for Occupational Safety and Health
OECD = Organisation for Economic Co-operation and Development
OSHA = Occupational Safety and Health Administration
PBT = Persistent, Bioaccumulative and Toxic
RCRA = Resource Conservation and Recovery Act
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SARA = Superfund Amendments and Reauthorization Act
SCL = A specific concentration limit.
STEL = Short-term exposure limits
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure



Conforms to OSHA Hazard Communication Standard (HCS) (29 CFR 1910.1200 / revised 2012)

STOT-SE = Specific Target Organ Toxicity - Single Exposure

TSCA = The Toxic Substances Control Act

TWA = Time weighted average

UN = United Nations

UVBC = Unknown or variable composition, complex reaction products or of biological materials

VOC = Volatile Organic Compound

vPvB = Very Persistent and Very Bioaccumulative

Additional information

The classification of the mixture in regard of health hazards is in accordance with the calculation methods given by HCS (29 CFR 1910.1200).

▼The safety data sheet is validated by

NL

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product.

Information in this safety data sheet cannot be used as a product specification.

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