Safety Data Sheet
MOTORBLACK

Safety Data Sheet dated 6/12/2024, version 16

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Mixture identification:

Trade name: MOTORBLACK

Trade code: 0094

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

Recommended use:

Liquid seal

Uses advised against:

Strictly adhere to the recommended uses.

1.3. Details of the supplier of the safety data sheet

Supplier:

Arexons S.p.A.

via Antica di Cassano, 23, 20063

Cernusco sul Naviglio (MI), Italy

Arexons S.p.A.

Tel. +39 (0)2/924361 - Fax +39 (0)2/92436306

Competent person responsible for the safety data sheet:

arexons@arexons.it

1.4. Emergency telephone number

Arexons S.p.A.

Tel. +39 (0)2/924361 - Fax +39 (0)2/92436306

In England and Wales: NHS 111 - dial 111

In Scotland: NHS 24 - dial 111

In Ireland: emergency number 112

In South Africa: Poison Information Helpline 0861 555 777

In Malta: emergency number 112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP):

Warning, Eye Irrit. 2, Causes serious eye irritation.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:

Warning

Hazard statements:

H319 Causes serious eye irritation.

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read carefully and follow all instructions.

P264 Wash hands thoroughly after handling.

P280 Wear protective gloves/clothing and eye/face protection.

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.

Special Provisions:

None

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards

PBT, vPvB or endocrine disruptor substances present in concentration >= 0.1%:

>= 2% - < 3% ottametilciclotetrasilossano - REACH No.: 01-2119529238-36, CAS: 556-67-2, EC: 209-136-7:

PBT, vPvB

>= 0,5% - < 1% Decamethylcyclopentasiloxane - REACH No.: 01-2119511367-43, CAS: 541-02-6, EC: 208-764-9:

PBT, vPvB

Other Hazards:

No hazards identified as the maximum bio-available concentration of octamethylcyclotetrasiloxane (D4) in the aquatic environment is below the expected threshold for the NOEC. Experimental analyzes have shown that the mixture is not dangerous for the environment.

No other hazards

SECTION 3: Composition/information on ingredients

3.1. Substances

N.A.

3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

stta	Name	Ident. Number		Classification
>= 2% - < 3%	Triacetato di metilsilantriile	CAS: EC: REACH No.:	4253-34-3 224-221-9 01-2119987097-22	3.1/4/Oral Acute Tox. 4 H302 3.2/1C Skin Corr. 1C H314
>= 2% - < 3%	ottametilciclotetrasiloss ano	CAS: EC: REACH No.:	556-67-2 209-136-7 01-2119529238-36	2.6/3 Flam. Liq. 3 H226 3.7/2 Repr. 2 H361f 4.1/C1 Aquatic Chronic 1 H410 M=10.
>= 0,5% - < 1%	acetic acid...%	CAS: EC: REACH No.:	64-19-7 200-580-7 01-2119475328-30	2.6/3 Flam. Liq. 3 H226 3.2/1A Skin Corr. 1A H314 Specific Concentration Limits: 10% <= C < 25%: Skin Irrit. 2 H315 10% <= C < 25%: Eye Irrit. 2 H319 25% <= C < 90%: Skin Corr. 1B H314 C >= 90%: Skin Corr. 1A H314
>= 0,5% - < 1%	Decamethylcyclopentas iloxane	CAS: EC: REACH No.:	541-02-6 208-764-9 01-2119511367-43	The product is not classified as hazardous according to Regulation EC 1272/2008 (CLP).

>= 0,05% - < 0,1%	Dodecamethylcyclohexasiloxane	CAS: EC: REACH No.:	540-97-6 208-762-8 01-2119517435-42	The product is not classified as hazardous according to Regulation EC 1272/2008 (CLP).

SVHC, PBT, vPvB, endocrine disruptor substances:
>= 2% - < 3% ottametilciclotetrasilossano
REACH No.: 01-2119529238-36, CAS: 556-67-2, EC: 209-136-7
PBT, vPvB, SVHC
>= 0,5% - < 1% Decamethylcyclopentasiloxane
REACH No.: 01-2119511367-43, CAS: 541-02-6, EC: 208-764-9
PBT, vPvB, SVHC
>= 0,05% - < 0,1% Dodecamethylcyclohexasiloxane
REACH No.: 01-2119517435-42, CAS: 540-97-6, EC: 208-762-8
PBT, vPvB, SVHC

SECTION 4: First aid measures

4.1. Description of first aid measures
In case of skin contact:
Immediately take off all contaminated clothing.
Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.
Wash thoroughly the body (shower or bath).
Remove contaminated clothing immediately and dispose off safely.
After contact with skin, wash immediately with soap and plenty of water.
In case of eyes contact:
After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an opthalmologist immediately.
Protect uninjured eye.
In case of Ingestion:
Do NOT induce vomiting.
In case of Inhalation:
Remove casualty to fresh air and keep warm and at rest.
4.2. Most important symptoms and effects, both acute and delayed
None
4.3. Indication of any 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:
None

SECTION 5: Firefighting measures

5.1. Extinguishing media
Appropriate Extinguishing Media:
To carbon dioxide.
To dust.
Foam
Not Recommended Extinguishing Media:
To water.
5.2. Special hazards arising from the substance or mixture
Do not inhale explosion and combustion gases.
Burning produces heavy smoke.
5.3. Advice for firefighters
Normal fire-fighting clothing, such as an open-circuit compressed air breathing apparatus (EN 137), flame-resistant suit (EN469), flame-resistant gloves (EN 659) and firefighter's boots (HO

A29 or A30).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Wear personal protection equipment.
Remove persons to safety.
See protective measures under point 7 and 8.

6.2. Environmental precautions
Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.
Retain contaminated washing water and dispose it.
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
Suitable material for taking up: absorbing material, organic, sand

6.3. Methods and material for containment and cleaning up
For cleaning up:
Avoid flame and/or spark near leak and produced waste. Do not smoke. In case of large spills dike,
absorb and shovel up into suitable containers for disposal. Contain small spills with absorbent material.
Put dirty material in suitable container. Dispose of dirty material in accordance with local or national
regulations.

6.4. Reference to other sections
See also section 8 and 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Avoid contact with skin and eyes, inhalation of vapours and mists.
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.
See also section 8 for recommended protective equipment.
Advice on general occupational hygiene:
Contamined clothing should be changed before entering eating areas.
Do not eat or drink while working.

7.2. Conditions for safe storage, including any incompatibilities
Store in well-closed containers, preferably in a cool place, away from sources of heat and direct sunlight.
Only store in the original container.
Keep away from food, drink and feed.
None in particular.
Instructions as regards storage premises:
Adequately ventilated premises.

7.3. Specific end use(s)
None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
ottametilciclotetrasilossano - CAS: 556-67-2
20101.04 - TWA: 120 mg/m3, 10 ppm
acetic acid...% - CAS: 64-19-7
EU - TWA(8h): 25 mg/m3, 10 ppm - STEL: 50 mg/m3, 20 ppm
ACGIH - TWA(8h): 10 ppm - STEL: 15 ppm - Notes: URT and eye irr, pulm func
DNEL Exposure Limit Values

N.A.

PNEC Exposure Limit Values

N.A.

8.2. Exposure controls

Eye protection:

Safety goggles.
Compliant with EN 166

Protection for skin:

Use clothing that provides comprehensive protection to the skin, e.g. cotton, rubber, PVC or viton.

Protection for hands:

Compliant with EN 374.
Thickness: Cuff 0.10 mm; Palm 0.12 mm; Fingers 0.145 mm

Respiratory protection:

In case of insufficient ventilation, use adequate respiratory protection equipment.
Filter for organic vapours. Type A. (EN14387)

Thermal Hazards:

None

Environmental exposure controls:

None

Appropriate engineering controls:

The normal (mechanical) ventilation of the room should be sufficient for work not extended with the product. For more extensive activities with it (or if necessary to ensure the well-being of the worker), a local mechanical air extractor should be provided.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes:
Physical state:	Liquid	--	--
Colour:	Black	--	--
Odour:	Characteristic	--	--
Melting point/freezing point:	N.A.	--	--
Boiling point or initial boiling point and boiling range:	N.A.	--	--
Flammability:	N.A.	--	--
Lower and upper explosion limit:	N.A.	--	--
Flash point:	>150°C	11	--
Auto-ignition temperature:	N.A.	--	--
Decomposition temperature:	>200°C	internal method	--
pH:	N.A.	--	--
Kinematic viscosity:	N.A.	--	--

Solubility in water:	Insoluble	--	--
Solubility in oil:	N.A.	--	--
Partition coefficient n-octanol/water (log value):	N.A.	--	--
Vapour pressure:	N.A.	--	--
Density and/or relative density:	1,04 g/cm3 @20°C	Internal method	--
Relative vapour density:	N.A.	--	--
Particle characteristics:			
Particle size:	N.A.	--	--

9.2. Other information

No other relevant information

SECTION 10: Stability and reactivity

10.1. Reactivity

Vulcanizes at room temperature in contact with humid air.

10.2. Chemical stability

Stable at room temperature, not in contact with air.

10.3. Possibility of hazardous reactions

None

10.4. Conditions to avoid

Stable under normal conditions.

10.5. Incompatible materials

Strong oxidising agents. Water.

10.6. Hazardous decomposition products

Thermal decomposition or combustion can release carbon oxides and other toxic gases and vapours. Amorphous silica.

May produce hazardous substances during use or in contact with water.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological information of the product:

MOTORBLACK

a) acute toxicity

Not classified

Based on available data, the classification criteria are not met

b) skin corrosion/irritation

Not classified

Based on available data, the classification criteria are not met

c) serious eye damage/irritation

The product is classified: Eye Irrit. 2 H319

d) respiratory or skin sensitisation

Not classified

Based on available data, the classification criteria are not met

e) germ cell mutagenicity

Not classified

Based on available data, the classification criteria are not met

f) carcinogenicity
Not classified
Based on available data, the classification criteria are not met
g) reproductive toxicity
Not classified
Based on available data, the classification criteria are not met
h) STOT-single exposure
Not classified
Based on available data, the classification criteria are not met
i) STOT-repeated exposure
Not classified
Based on available data, the classification criteria are not met
j) aspiration hazard
Not classified
Based on available data, the classification criteria are not met

Toxicological information of the main substances found in the product:

Triacetato di metilsilantriile - CAS: 4253-34-3
d) respiratory or skin sensitisation:
Test: Skin Sensitization - Species: CAVIA Negative
e) germ cell mutagenicity:
Test: oecd - Species: vitro Negative
g) reproductive toxicity:
Test: NOAEL - Route: Oral - Species: Rat > 1000 mg/kg - Notes: OECD 422

ottametilciclotetrasilossano - CAS: 556-67-2
d) respiratory or skin sensitisation:
Test: Skin Sensitization - Route: Skin - Species: CAVIA Negative
e) germ cell mutagenicity:
Test: Mutagenesis - Species: vitro Negative
f) carcinogenicity:
Test: NOAEC - Route: Inhalation - Species: Rat > 8.492 mg/l - Notes: OECD 453
g) reproductive toxicity:
Test: NOAEL - Route: Inhalation - Species: Rat 3.64 mg/l - Notes: OECD 416
Test: arx1 - Route: Inhalation - Species: Rat > 6.066 mg/l - Notes: OECD 414

acetic acid...% - CAS: 64-19-7
e) germ cell mutagenicity:
Test: oecd - Species: vitro Negative - Based on available data, the classification criteria are not met
g) reproductive toxicity:
Test: arx1 - Route: Oral - Species: Rat 1600 mg/kg

Decamethylcyclopentasiloxane - CAS: 541-02-6
d) respiratory or skin sensitisation:
Test: Skin Sensitization Negative
e) germ cell mutagenicity:
Test: Mutagenesis - Species: vitro Negative
g) reproductive toxicity:
Test: NOAEL - Route: Inhalation - Species: Rat 3.64 mg/l - Notes: OECD 416

Dodecamethylcyclohexasiloxane - CAS: 540-97-6
d) respiratory or skin sensitisation:
Test: Skin Sensitization - Species: CAVIA Negative - Notes: OECD 406
e) germ cell mutagenicity:
Test: oecd 2 - Species: vitro Negative
g) reproductive toxicity:
Test: NOAEL - Route: Oral - Species: Rat > 1000 mg/kg - Notes: OECD 422
Test: arx1 - Species: Rabbit > 1000 mg/kg - Notes: OECD 414
h) STOT-single exposure:
Test: oecd 11 Negative
i) STOT-repeated exposure:
Negative

11.2. Information on other hazards
Endocrine disrupting properties:
No endocrine disruptor substances present in concentration >= 0.1%

SECTION 12: Ecological information

12.1. Toxicity
Adopt good working practices, so that the product is not released into the environment.
Triacetato di metilsilantriile - CAS: 4253-34-3
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish > 100 mg/l - Duration h: 96
Endpoint: LC50 - Species: Daphnia > 100 mg/l - Duration h: 48
Endpoint: EC50 - Species: Algae = 660 mg/l - Duration h: 96
ottametilciclotetrasilossano - CAS: 556-67-2
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish > 0.022 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia > 0.015 mg/l - Duration h: 48
b) Aquatic chronic toxicity:
Endpoint: NOEC - Species: Fish > 0.0044 mg/l - Duration h: 2232
Endpoint: NOEC - Species: Daphnia 0.0015 mg/l - Duration h: 504
e) Plant toxicity:
Endpoint: EC50 - Species: Algae > 0.022 mg/l - Duration h: 96
acetic acid...% - CAS: 64-19-7
a) Aquatic acute toxicity:
Endpoint: LC50 - Species: Fish > 1000 mg/l - Duration h: 96
Endpoint: EC50 - Species: Daphnia > 1000 mg/l - Duration h: 48
Endpoint: EC50 - Species: Algae > 1000 mg/l - Duration h: 72
Endpoint: LOEL - Species: Algae > 1000 mg/l - Duration h: 72
Decamethylcyclopentasiloxane - CAS: 541-02-6
b) Aquatic chronic toxicity:
Endpoint: NOEC - Species: Fish > 0.014 mg/l - Duration h: 2160
Dodecamethylcyclohexasiloxane - CAS: 540-97-6
a) Aquatic acute toxicity:
Endpoint: NOEC - Species: Daphnia > 0.0046 mg/l - Duration h: 504
Endpoint: NOEC - Species: Algae > 0.002 mg/l - Duration h: 72
Endpoint: EC50 - Species: Algae > 0.002 mg/l - Duration h: 72

12.2. Persistence and degradability
None
Triacetato di metilsilantriile - CAS: 4253-34-3
Biodegradability: Readily biodegradable - Duration: 21GG - %: 71
ottametilciclotetrasilossano - CAS: 556-67-2
Biodegradability: Non-readily biodegradable - Duration: 28gg - %: 3.7
acetic acid...% - CAS: 64-19-7
Biodegradability: 4 - Duration: 20dd - %: 96
Decamethylcyclopentasiloxane - CAS: 541-02-6
Biodegradability: Non-readily biodegradable - Duration: 28gg - %: 0.14
Dodecamethylcyclohexasiloxane - CAS: 540-97-6
Biodegradability: Non-readily biodegradable - Test: OECD TG 310 - Duration: 28gg - %: 4.5

12.3. Bioaccumulative potential
ottametilciclotetrasilossano - CAS: 556-67-2
Test: BCF - Bioconcentrantion factor 12400
acetic acid...% - CAS: 64-19-7
Test: BCF - Bioconcentrantion factor 3.16
Decamethylcyclopentasiloxane - CAS: 541-02-6
Test: BCF - Bioconcentrantion factor 7060
Dodecamethylcyclohexasiloxane - CAS: 540-97-6

Bioaccumulation: Bioaccumulative - Test: BCF - Bioconcentrantion factor 2860

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

PBT Substances:

>= 2% - < 3% ottametilciclotetrasilossano - CAS: 556-67-2
>= 0,5% - < 1% Decamethylcyclopentasiloxane - CAS: 541-02-6
>= 0,05% - < 0,1% Dodecamethylcyclohexasiloxane - CAS: 540-97-6

vPvB Substances:

>= 2% - < 3% ottametilciclotetrasilossano - CAS: 556-67-2
>= 0,5% - < 1% Decamethylcyclopentasiloxane - CAS: 541-02-6
>= 0,05% - < 0,1% Dodecamethylcyclohexasiloxane - CAS: 540-97-6

Substance PBT

Substance vPvB

12.6. Endocrine disrupting properties

No endocrine disruptor substances present in concentration >= 0.1%

12.7. Other adverse effects

None

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.

Additional disposal information:

Contaminated packaging must be emptied as far as possible. After cleaning, send to an authorised centre for recycling or disposal.
"Use in accordance with good working practices, avoiding dispersal in the environment.
Do not discharge into drains, ground water or water courses. Comply with current legislation on the protection of water and soil from pollution (Legislative Decree No. 152 of 3/4/2006).
Dispose of used product and containers by handing them over to authorised companies, in accordance with the provisions of
Legislative Decree No. 152/2006 (Consolidated Environmental Act, which replaced the Ronchi Decree) as amended.
The used product is to be considered special waste to be classified in accordance with Directive No. 2008/98/EC on waste and related matters. Recover if possible. Send to authorised disposal plants or incineration under
controlled conditions (152/2006 art. 184).
Act in accordance with the local and national laws in force.
Contaminated packaging must be emptied as far as possible. After cleaning, send to an authorised centre for recycling or disposal."

SECTION 14: Transport information

14.1. UN number or ID number

Not classified as dangerous in the meaning of transport regulations.

14.2. UN proper shipping name

N.A.

14.3. Transport hazard class(es)

N.A.

14.4. Packing group

N.A.

14.5. Environmental hazards

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

14.6. Special precautions for user
N.A.
14.7. Maritime transport in bulk according to IMO instruments
N.A.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Dir. 98/24/EC (Risks related to chemical agents at work)
Dir. 2000/39/EC (Occupational exposure limit values)
Regulation (EC) n. 1907/2006 (REACH)
Regulation (EC) n. 1272/2008 (CLP)
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
Regulation (EU) n. 2020/878
Regulation (EU) n. 286/2011 (ATP 2 CLP)
Regulation (EU) n. 618/2012 (ATP 3 CLP)
Regulation (EU) n. 487/2013 (ATP 4 CLP)
Regulation (EU) n. 944/2013 (ATP 5 CLP)
Regulation (EU) n. 605/2014 (ATP 6 CLP)
Regulation (EU) n. 2015/1221 (ATP 7 CLP)
Regulation (EU) n. 2016/918 (ATP 8 CLP)
Regulation (EU) n. 2016/1179 (ATP 9 CLP)
Regulation (EU) n. 2017/776 (ATP 10 CLP)
Regulation (EU) n. 2018/669 (ATP 11 CLP)
Regulation (EU) n. 2018/1480 (ATP 13 CLP)
Regulation (EU) n. 2019/521 (ATP 12 CLP)
Regulation (EU) n. 2020/217 (ATP 14 CLP)
Regulation (EU) n. 2020/1182 (ATP 15 CLP)
Regulation (EU) n. 2021/643 (ATP 16 CLP)
Regulation (EU) n. 2021/849 (ATP 17 CLP)
Regulation (EU) n. 2022/692 (ATP 18 CLP)
Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:
Restrictions related to the product:
Restriction 3
Restrictions related to the substances contained:
Restriction 40
Restriction 70

Volatile Organic compounds - VOCs = 6.44 %
Volatile Organic compounds - VOCs = 64.40 g/Kg
Volatile Organic compounds - VOCs = 66.98 g/l
Where applicable, refer to the following regulatory provisions :
Directive 2012/18/EU (Seveso III)
Regulation (EC) nr 648/2004 (detergents).
Dir. 2004/42/EC (VOC directive)
SVHC Substances:
Substances in candidate list (Art. 59 Reg. 1907/2006, REACH):
ottametilciclotetrasilossano
PBT, vPvB
Decamethylcyclopentasiloxane
PBT, vPvB
Dodecamethylcyclohexasiloxane
PBT, vPvB
Provisions related to directive EU 2012/18 (Seveso III):
Seveso III category according to Annex 1, part 1
None

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

Substances for which a Chemical Safety Assessment has been carried out:

None

SECTION 16: Other information

Text of phrases referred to under heading 3:

H226 Flammable liquid and vapour.
H361f Suspected of damaging the unborn child.
H410 Very toxic to aquatic life with long lasting effects.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H319 Causes serious eye irritation.

Hazard class and hazard category	Code	Description
Flam. Liq. 3	2.6/3	Flammable liquid, Category 3
Acute Tox. 4	3.1/4/Oral	Acute toxicity (oral), Category 4
Skin Corr. 1A	3.2/1A	Skin corrosion, Category 1A
Skin Corr. 1B	3.2/1B	Skin corrosion, Category 1B
Skin Corr. 1C	3.2/1C	Skin corrosion, Category 1C
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Repr. 2	3.7/2	Reproductive toxicity, Category 2
Aquatic Chronic 1	4.1/C1	Chronic (long term) aquatic hazard, category 1

Paragraphs modified from the previous revision:

SECTION 1: Identification of the substance/mixture and of the company/undertaking
SECTION 5: Firefighting measures
SECTION 6: Accidental release measures
SECTION 8: Exposure controls/personal protection
SECTION 9: Physical and chemical properties
SECTION 13: Disposal considerations
SECTION 15: Regulatory information

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Eye Irrit. 2, H319	Calculation method

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

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.
It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.
This MSDS cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
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.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
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.
NA:	Not applicable
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
WGK:	German Water Hazard Class.