

Safety Data Sheet dated 17/12/2020, version 10

The form indicated below is issued by our supplier and concerns the compound not yet vulcanized.

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

1.1. Product identifier

Mixture identification:

Trade name: VMQ 35 NE

Trade name: V 35 04 000 383

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

Use: industrial for production of rubber articles

1.3. Details of the supplier of the safety data sheet

Company:

TEN-FLUID srl - via Betty Ambiveri 38 - Villongo - Bergamo - Italia

TEN-FLUID srl - Tel. 0039 035 - 926363

Mon-Fry 8.30am-5.30pm

Competent person responsible for the safety data sheet:

info@ten-fluid.it

1.4. Emergency telephone number

TEN-FLUID srl - Tel. 0039 035 - 926363

Mon-Fry 8.30am-5.30pm

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP):

⚠ Warning, STOT RE 2, May cause damage to organs through prolonged or repeated exposure.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Derogation from labelling pursuant to point 1.3.4 of Annex I of EU Regulation n. 1272/2008 (CLP)

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

None

2.3. Other hazards

PBT Substances:

>= 0.5% - < 1% Decamethylcyclopentasiloxane - CAS: 541-02-6, EC: 208-764-9

>= 0.25% - < 0.5% octamethylcyclotetrasiloxane - REACH No.: 01-2119529238-36-0010,

Index number: 014-018-00-1, CAS: 556-67-2, EC: 209-136-7

>= 0.25% - < 0.5% Dodecamethylcyclohexasiloxane - CAS: 540-97-6, EC: 208-762-8

vPvB Substances:

>= 0.5% - < 1% Decamethylcyclopentasiloxane - CAS: 541-02-6, EC: 208-764-9

>= 0.25% - < 0.5% octamethylcyclotetrasiloxane - REACH No.: 01-2119529238-36-0010,

Index number: 014-018-00-1, CAS: 556-67-2, EC: 209-136-7

>= 0.25% - < 0.5% Dodecamethylcyclohexasiloxane - CAS: 540-97-6, EC: 208-762-8

Other Hazards:

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:

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Qty	Name	Ident. Number	Classification
>= 3% - < 5%	QUARTZ	CAS: 14808-60-7 EC: 238-878-4	⚠ 3.9/1 STOT RE 1 H372
>= 0.5% - < 1%	Decamethylcyclopentasiloxane	CAS: 541-02-6 EC: 208-764-9	4.1/C4 Aquatic Chronic 4 H413
>= 0.25% - < 0.5%	octamethylcyclotetrasiloxane	Index number: 014-018-00-1 CAS: 556-67-2 EC: 209-136-7 REACH No.: 01-2119529238-36-0010	⚠ 3.7/2 Repr. 2 H361 4.1/C4 Aquatic Chronic 4 H413
>= 0.25% - < 0.5%	Dodecamethylcyclohexasiloxane	CAS: 540-97-6 EC: 208-762-8	⚠ 3.3/2 Eye Irrit. 2 H319 4.1/C4 Aquatic Chronic 4 H413

SVHC Substances:

- >= 0.5% - < 1% Decamethylcyclopentasiloxane
CAS: 541-02-6, EC: 208-764-9
Substance PBT and vPvB and SVHC
- >= 0.25% - < 0.5% octamethylcyclotetrasiloxane
REACH No.: 01-2119529238-36-0010, Index number: 014-018-00-1, CAS: 556-67-2, EC: 209-136-7
Substance PBT and vPvB and SVHC
- >= 0.25% - < 0.5% Dodecamethylcyclohexasiloxane
CAS: 540-97-6, EC: 208-762-8
Substance PBT and vPvB and SVHC

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

- 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 with plenty of water and soap.
- Wash thoroughly the body (shower or bath).
- 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 under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

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

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Suitable extinguishing media:

Water.

Carbon dioxide (CO₂).

Extinguishing media which must not be used for safety reasons:

None in particular.

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

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.

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

Wash with plenty of water.

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.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from food, drink and feed.

Incompatible materials:

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

QUARTZ - CAS: 14808-60-7

ACGIH - TWA(8h): 0.025 mg/m³ - Notes: (R), A2 - Pulm fibrosis, lung cancer

DNEL Exposure Limit Values

N.A.

PNEC Exposure Limit Values

N.A.

8.2. Exposure controls

Eye protection:

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Not needed for normal use. Anyway, operate according good working practices.

Protection for skin:

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

Protection for hands:

Use protective gloves that provides comprehensive protection, e.g. P.V.C., neoprene or rubber.

Respiratory protection:

Use adequate protective respiratory equipment.

Thermal Hazards:

None

Environmental exposure controls:

None

Appropriate engineering controls:

None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes:
Appearance and colour:	solid neutral	--	--
Odour:	characteristic	--	--
Odour threshold:	Not Relevant	--	--
pH:	Not Relevant	--	--
Melting point / freezing point:	Non congelata e non fonde	--	--
Initial boiling point and boiling range:	Non bolle	--	--
Flash point:	N.A.	--	--
Evaporation rate:	Not Relevant	--	--
Solid/gas flammability:	Scarsamente infiammabile	--	--
Upper/lower flammability or explosive limits:	Non autoinfiammabile	--	--
Vapour pressure:	Not Relevant	--	--
Vapour density:	Assenza di vapori	--	--
Relative density:	0.99-4.0 gr/cm ³	--	--
Solubility in water:	Non idrosolubile	--	--
Solubility in oil:	Non liposolubile	--	--

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Partition coefficient (n-octanol/water):	Non solubile	--	--
Auto-ignition temperature:	Non autoinfiammabile	--	--
Decomposition temperature:	200°C-800°C	--	--
Viscosity:	N.A.	--	--
Explosive properties:	N.A.	--	--
Oxidizing properties:	Non comburente	--	--

9.2. Other information

Properties	Value	Method:	Notes:
Miscibility:	Non miscibile	--	--
Fat Solubility:	Non liposolubile	--	--
Conductivity:	10-18/10-1	--	--
Substance Groups relevant properties	N.A.	--	--

SECTION 10: Stability and reactivity

- 10.1. Reactivity
Stable under normal conditions
- 10.2. Chemical stability
Stable under normal conditions
- 10.3. Possibility of hazardous reactions
None
- 10.4. Conditions to avoid
Stable under normal conditions.
- 10.5. Incompatible materials
None in particular.
- 10.6. Hazardous decomposition products
None.

SECTION 11: Toxicological information

- 11.1. Information on toxicological effects
Toxicological information of the product:
N.A.
Toxicological information of the main substances found in the product:
QUARTZ - CAS: 14808-60-7
Cancerogenicità : inserito nelle liste IARC (group 1), NPT (RAHC), ACGIH (A2).
Esposizione ripetuta: effetti all'apparato respiratorio (fibrosi polmonare, silicosi).
Lesioni/irritazioni oculari : lievi effetti per abrasione meccanica
Possibili vie di esposizione : inalazione, ingestione, contatto con pelle ed occhi

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Una prolungata e/o massiccia esposizione alle polveri contenenti silice cristallina respirabile, può causare silicosi, una fibrosi nodulare dei polmoni dovuta alla deposizione negli alveoli di particelle respirabili di silice cristallina.

:

- a) acute toxicity;
- b) skin corrosion/irritation;
- c) serious eye damage/irritation;
- d) respiratory or skin sensitisation;
- e) germ cell mutagenicity;
- f) carcinogenicity;
- g) reproductive toxicity;
- h) STOT-single exposure;
- i) STOT-repeated exposure;
- j) aspiration hazard.

SECTION 12: Ecological information

- 12.1. Toxicity
Adopt good working practices, so that the product is not released into the environment.
N.A.
- 12.2. Persistence and degradability
None
N.A.
- 12.3. Bioaccumulative potential
N.A.
- 12.4. Mobility in soil
N.A.
- 12.5. Results of PBT and vPvB assessment
PBT Substances:
 - >= 0.5% - < 1% Decamethylcyclopentasiloxane - CAS: 541-02-6
 - >= 0.25% - < 0.5% octamethylcyclotetrasiloxane - CAS: 556-67-2
 - >= 0.25% - < 0.5% Dodecamethylcyclohexasiloxane - CAS: 540-97-6vPvB Substances:
 - >= 0.5% - < 1% Decamethylcyclopentasiloxane - CAS: 541-02-6
 - >= 0.25% - < 0.5% octamethylcyclotetrasiloxane - CAS: 556-67-2
 - >= 0.25% - < 0.5% Dodecamethylcyclohexasiloxane - CAS: 540-97-6
- 12.6. Other adverse effects
None

SECTION 13: Disposal considerations

- 13.1. Waste treatment 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.

SECTION 14: Transport information

- 14.1. UN number
- 14.2. UN proper shipping name
 - ADR-Shipping Name: *ENTER PROPER SHIPPING NAME*
 - IATA-Shipping Name: *ENTER PROPER SHIPPING NAME*
 - IMDG-Shipping Name: *ENTER PROPER SHIPPING NAME*
- 14.3. Transport hazard class(es)
- 14.4. Packing group
- 14.5. Environmental hazards

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- 14.6. Special precautions for user
- 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code
No

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. 453/2010 (Annex II)
 - 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)

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
- Restriction 40

Restrictions related to the substances contained:

- Restriction 70

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):

- Decamethylcyclopentasiloxane
 - PBT, vPvB
- octamethylcyclotetrasiloxane
 - 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.

SECTION 16: Other information

Text of phrases referred to under heading 3:

- H413 May cause long lasting harmful effects to aquatic life.
- H361 Suspected of damaging fertility or the unborn child.
- H319 Causes serious eye irritation.
- H372 Causes damage to organs through prolonged or repeated exposure.

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Hazard class and hazard category	Code	Description
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
Repr. 2	3.7/2	Reproductive toxicity, Category 2
STOT RE 1	3.9/1	Specific target organ toxicity - repeated exposure, Category 1
STOT RE 2	3.9/2	Specific target organ toxicity - repeated exposure, Category 2
Aquatic Chronic 4	4.1/C4	Chronic (long term) aquatic hazard, category 4

Paragraphs modified from the previous revision:

SECTION 2: Hazards identification
 SECTION 3: Composition/information on ingredients
 SECTION 4: First aid measures
 SECTION 7: Handling and storage
 SECTION 8: Exposure controls/personal protection
 SECTION 12: Ecological information
 SECTION 13: Disposal considerations
 SECTION 15: Regulatory information
 SECTION 16: Other 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
STOT RE 2, H373	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.

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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.
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.