

SAFETY DATA SHEET

Prepared according to the European Commission Regulations (EU) No. 2015/830

PRODUCT: VOLMA-MULTIKLEY

Date of filling: 08 02 2017

Last revision date: –

Version No.: 1

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SAFETY DATA SHEET

Section 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. PRODUCT IDENTIFIER

Product name: VOLMA-MULTIKLEY

1.2. RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Relevant identified uses: for building industry uses.

Uses advised against: not available.

1.3. DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Manufacturer:

LLC "VOLMA-Marketing"

Krepilnaya str. 128, 400019 Volgograd, Russia

Tel.: +7 (8442) 41-44-82

Electronic mail address of the person, responsible for the safety data sheet:

E-mail: officeuk@volma.ru

1.4. EMERGENCY TELEPHONE NUMBER

Poison Control Centre (Austria)

Tel. No.: +43 1 406 4343

Antigif Centrum Centre Antipoisons (Belgium)

Tel. No.: +32 070 245 245

National Toxicology Center, Hospital for Active Medical Treatment and Emergency Medicine "N.I.Pirogov" (Bulgaria)

Tel. No. / faxe: +359 2 9154 233

Poison Control Centre (Croatia)

Tel. No.: +385 1 234 8342

Toxicological Information Centre (Czech Republic)

Tel. No.: +420 224 919 293 / +420 224 915 402

Poison Control Hotline (Denmark)

Tel. No.: +45 82 12 12 12

Poisoning Information Centre (Estonia)

Tel. No.: +372 626 93 90

Poison Information Centre (Finland)

Tel. No.: +358 09 471 977

ORFILA (INERIS) (France)

Tel. No.: + 33 (0) 1 45 42 59 59

Health Toxicological Information Service (Hungary)

Tel. No.: +36 80 20 11 99

Poison Centre (Iceland)

Tel. No.: +354 543 2222

National Poisons Information Centre (Ireland)

Tel. No.: + 353 (0)1 809 2566 / + 353 (0)1 837 9964

Valsts Toksikoloģijas centrs, Saindēšanās un zāļu informācijas centrs (Latvia)

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Tel. No.: +371 670 42473

Health Emergency Situations Centre of the Ministry of Health, Poison Information Bureau (Lithuania)

Tel. No.: +370 5 236 20 52, Mob. No.: +370 687 53378

Mater Dei Hospital (Malta)

Tel. No.: +356 2545 0000

National Poisons Information Centre (NVIC) (Netherlands)

Tel. No.: +31 (0) 30 274 8888

Mental Health Helpline (Norway)

Tel. No.: +47 22 59 13 00

Instituto Nacional de Emergência Médica (Portugal)

Tel. No.: + 351 213 303 271

Biroul RSI si Informare Toxicologica (Romania)

Tel. No.: +40 021 318 3606

National Toxicological Information Centre (NTIC) (Slovakia)

Tel. No.: +421 2 5477 4166

Toxicology Information Service (Spain)

Tel. No.: + 34 91 562 04 20

Swedish Poisons Information Centre (Sweden)

Tel. No.: +46 08 331231

Health and Safety Executive (HSE) (United Kingdom)

Tel. No.: +44 0151 922 9235

Section 2. HAZARDS IDENTIFICATION

2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

2.1.1. Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin Irrit. 2; H315

Skin Sens. 1B; H317

Eye Dam. 1; H318

STOT SE 3; H335 (lung, bronchi, ...) (Inhalation)

2.1.2. Additional information

For full text of Hazard- and EU Hazard-statements: see section 16.

2.2. LABEL ELEMENTS

2.2.1. Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms:



Signal word: **Danger**

Hazard statements:

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

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Precautionary statements:

P261 Avoid breathing dust/fume/ gas/mist/vapours/spray.

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

P302+P352 IF ON SKIN: Wash with plenty of water and soap.

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

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.

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

P501 Dispose of contents/ container to ... (in accordance with local/ regional/national/international regulation).

Supplemental Hazard information (EU): none.

2.3. OTHER HAZARDS

The product does not meet the criteria for vPvB according to Regulation (EC) No. 1907/2006.

Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. SUBSTANCES

Not applicable.

3.2. MIXTURES

Substance	CAS No.	EC No.	Classification: according EC No. 1272/2008 (CLP)	Concentration
Quartz (SiO ₂)	14808-60-7	238-878-4	Not Classified.	40-60%
Cement, portland, chemicals	65997-15-1	266-043-4	Skin Irrit. 2; H315 Skin Sens. 1B; H317 Eye Dam. 1; H318 STOT SE 3; H335 (lung, bronchi, ...) (Inhalation)	30-50%
Calcite (Ca(CO ₃))	13397-26-7	603-785-3	Not Classified.	20-40%
Cellulose, methyl ether	9004-67-5	618-391-7	Not Classified.	0.45%

Additional information: for full text of H-statements: see section 16.

Section 4. FIRST AID MEASURES

4.1. DESCRIPTION OF FIRST AID MEASURES

General information. If adverse health effects develop, seek medical attention.

Following inhalation. After inhalation of dust, remove the person from exposure area to fresh air. Consult doctor in case of complaints.

Following skin contact. Flush contaminated skin with plenty of water with soap. Get medical attention if symptoms occur.

Following eye contact. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

Following ingestion. If swallowed, seek medical advice immediately and show this container or label. Induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person.

Self-protection of the first aider: to care for their own safety.

4.2. MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

No data available.

4.3. INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

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First Aid, decontamination, treatment of symptoms. In case an intoxication is suspected, National Poisons Information Centre should be addressed immediately.

Section 5. FIREFIGHTING MEASURES

General fire hazards. The product is non-combustible. Clear fire area of all non-emergency personnel.

5.1. EXTINGUISHING MEDIA

Suitable extinguishing media: use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use extinguishing media suitable for surrounding materials. Use water spray, foam, dry chemical or carbon dioxide (CO₂).

Unsuitable extinguishing media: do not use water jet as an extinguisher, as this will spread the fire.

5.2. SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Hazardous combustion products: during a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

5.3. ADVICE FOR FIREFIGHTERS

Special protective equipment for firefighters. Fire-fighters should wear self-contained breathing apparatus and suitable protective clothing.

Special firefighting procedures. Move packages away from fire area, if it can be done without risk. Use water mist for cooling unopened packages. Cooling packages by pouring sufficient water and after fire go out. Prevent the product large quantities from entering in the environment.

Section 6. ACCIDENTAL RELEASE MEASURES

6.1. PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

6.1.1. For non-emergency personnel. Put on appropriate personal protective equipment. Avoid breathing dust. No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. No flares, smoking or flames in hazard area. For personal protection, see Section 8.

6.1.2. For emergency responders. If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in „For non-emergency personnel". Use personal protection recommended in Section 8 of the SDS.

6.2. ENVIRONMENTAL PRECAUTIONS

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil).

6.3. METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

6.3.1 For containment: stop discharge of the product. Avoid dust/vapour formation and, when the wind, their dissipation after the territory.

6.3.2 For cleaning up: mechanical collect and shovel into special containers for further utilization, if it can't be reused. Clean up in accordance with all applicable regulations.

6.3.3 Other information: to ensure that waste and contaminated materials as soon as possible would be collected and removed from the workplace into properly marked capacity.

6.4. REFERENCE TO OTHER SECTIONS

See section 8 for personal protective equipment and section 13 for waste disposal.

Section 7. HANDLING AND STORAGE

7.1. PRECAUTIONS FOR SAFE HANDLING

Advice on safe handling. Put on appropriate personal protective equipment (see Section 8). Avoid breathing

dust. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove

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contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Measures to prevent fire. The product is not flammable.

7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage requirements. Store in accordance with local regulations. Store in a cool, dry and well ventilated area. Keep locked-up. Avoid contact with acids and alkalis. Avoid contact with oxidising agents. Do not store in unlabelled packages. Use appropriate containment to avoid environmental contamination.

7.3. SPECIFIC END USE(S)

Recommendations: not available.

Section 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1. CONTROL PARAMETERS

8.1.1. Occupational exposure limits:

Recommended monitoring procedures. Follow standard monitoring procedures.

Substance	CAS Number	OSHA PEL	ACGIH TLV-TWA	MSHA Exposure Limits
Portland Cement – total dust	65997-15-1	15 mg/m ³	1 mg/m ³ (2010) * (Respirable Dust)	10 mg/m ³
Portland Cement – respirable dust	65997-15-1	5 mg/m ³	Not Applicable	Not Applicable
Quartz	14808-60-7	10 mg/m ³ (% silica + 2)	0.025 mg/m ³ (2006) (Respirable fraction)	10 mg/m ³ (% silica + 2)

Note: Some portland cements may contain small amounts of crystalline silica (slightly more than 0.1%).

* Applicable if <1% crystalline silica is present.

8.1.2. Biological limit values: no biological exposure limits noted for the ingredient(s).

8.2. EXPOSURE CONTROLS

8.2.1. Appropriate engineering controls. Before direct contact with the product use personal protection equipment. Use only with adequate ventilation. If user operations generate dust, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

8.2.2. Personal protection equipment

General information. Use personal protective equipment as required. Keep working clothes separately. Personal protective equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

8.2.2.1. Eye/face protection. Use safety eyewear (EN 166).

8.2.2.2. Skin protection:

Hand protection. Chemical-resistant gloves (EN 374).

Other skin protection. Wear protective work clothing.

8.2.2.3. Respiratory protection. Wear dust protection mask, suitable protective equipment (dust protection respirator) (EN 149).

8.2.2.4. Thermal hazards. Not applicable.

Hygiene measures. Wash hands, forearms and face thoroughly after handling product, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

8.3. ENVIRONMENTAL EXPOSURE CONTROLS

Dispose of rinse water in accordance with local and national regulations.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

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9.1. INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	solid (powder)
COLOUR:	grey
ODOUR:	odourless
ODOUR THRESHOLD:	not applicable
pH:	not applicable in the supplied state (aqueous suspension 8-11).
MELTING POINT / FREEZING POINT:	>1000 °C
INITIAL BOILING POINT AND BOILING RANGE:	not applicable
FLASH POINT:	not applicable
EVAPORATION RATE:	not applicable
FLAMMABILITY (SOLID, GAS):	not applicable
UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:	not applicable
VAPOUR PRESSURE:	not applicable
VAPOUR DENSITY:	not applicable
RELATIVE DENSITY:	approx. 1.5 g/cm ³
SOLUBILITY:	insoluble
PARTITION COEFFICIENT (N-OCTANOL/WATER):	not applicable
AUTO-IGNITION TEMPERATURE:	not applicable
DECOMPOSITION TEMPERATURE:	not applicable
VISCOSITY:	not applicable
EXPLOSIVE PROPERTIES:	not applicable
OXIDISING PROPERTIES:	not applicable

9.2. OTHER INFORMATION

None.

Section 10. STABILITY AND REACTIVITY

10.1. REACTIVITY

The product is non-reactive under normal (recommended) conditions of use, storage and transport.

10.2. CHEMICAL STABILITY

Stable under recommended storage and handling conditions.

10.3. POSSIBILITY OF HAZARDOUS REACTIONS

No hazardous reaction when handled and stored according to these provisions.

10.4. CONDITIONS TO AVOID

Avoid dust formation.

10.5. INCOMPATIBLE MATERIALS

Strong oxidizing agents; strong acids; strong alkalis.

10.6. HAZARDOUS DECOMPOSITION PRODUCTS

No data available.

Section 11. TOXICOLOGICAL INFORMATION

11.1. INFORMATION ON TOXICOLOGICAL EFFECTS

No data available.

Skin corrosion/irritation. Causes skin irritation.

Serious eye damage/irritation. Causes serious eye damage.

Respiratory or skin sensitisation. May cause an allergic skin reaction.

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Germ cell mutagenicity. Not classified.
Carcinogenicity. Not classified.
Reproductive toxicity. Not classified.
STOT-single exposure. May cause respiratory irritation.
STOT-repeated exposure. No data available.
Aspiration hazard. Not classified.

11.2. OTHER INFORMATION

Symptoms may be delayed.

Section 12: ECOLOGICAL INFORMATION

12.1. TOXICITY

No data available.

12.2. PERSISTENCE AND DEGRADABILITY

No data is available on the degradability of this product.

12.3. BIOACCUMULATIVE POTENTIAL

No data available.

12.4. MOBILITY IN SOIL

No data available.

12.5. RESULTS OF PBT AND vPvB ASSESSMENT

Not a PBT or vPvB substance or mixture.

12.6. OTHER ADVERSE EFFECTS

No known significant effects or critical hazards.

Section 13. DISPOSAL CONSIDERATION

13.1. WASTE TREATMENT METHODS

Observe all federal, state and local environmental regulations. Smaller quantities can be disposed of in household waste. Large quantities must be disposed in accordance with all applicable disposal regulations.

Section 14. TRANSPORT INFORMATION

Transport only in accordance with ADR for road haulage, RID for rail transportation, ADN/IMDG for carriage by vessel/sea and IATA for carriage by air.

14.1. UN number. None.

14.2. UN proper shipping name. None.

14.3. Transport hazard class (-es). None.

14.4. Packing group. None.

14.5. Environmental hazards. Yes.

14.6. Special precautions for user. Before use read the safety instructions in the safety data sheet and emergency procedures.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code. Not applicable.

Section 15. REGULATORY INFORMATION

15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

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- Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No.793/93, Commission Regulation (EC) No. 1488/94, Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC (Official Journal of the European Union No. L 396, 30-12-2006, error correction – No. L 136/3, 2007-5-29);
- COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No. 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (OJ L 132, 29.5.2015, p. 8–31);
- On 16 December 2008 the Regulation (EC) No. 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of chemical substances and mixtures was undersigned. The said Regulation amended and repealed the directives 67/548/EEC and 1999/45/EC and Regulation (EC) No. 1907/2006 (the REACH Regulation). The Regulation has been published in the Official Journal of the European Union No. L353, volume 51 on 31 December, 2008;
- The European Agreement concerning International Carriage of Dangerous Goods by Road (ADR).

15.2. CHEMICAL SAFETY ASSESSMENT

For this product a chemical safety assessment has not been carried out.

Section 16. OTHER INFORMATION

16.1. INDICATION OF CHANGES

Information contained in the Regulation 1907/2006/EC with the Regulation 830/2015.

Indication of changes: –.

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16.2. FULL TEXT OF HAZARD AND PRECAUTIONARY STATEMENTS

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

P261 Avoid breathing dust/fume/ gas/mist/vapours/spray.

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

P302+P352 IF ON SKIN: Wash with plenty of water and soap.

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

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.

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

P501 Dispose of contents/ container to ... (in accordance with local/ regional/national/international regulation).

Supplemental Hazard information (EU): none.

Abbreviations:

Skin Irrit. 2 – Skin irritation; Hazard Category 2.

Skin Sens. 1B – Skin sensitisation; Hazard Category 1B.

Eye Dam. 1 – Eye damage; Hazard Category 1.

STOT SE 3 – Specific target organ toxicity - Single exposure; Hazard Category 3 (Respiratory tra...) (Inhalation).

Acronyms:

ADR – European Agreement concerning the International Carriage of Dangerous Goods by Road.

ADN – European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.

RID – Regulations concerning the International Carriage of Dangerous Goods by Rail.

IMDG – International Maritime Dangerous Goods.

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IATA – International Air Transport Association.

IMO – International Maritime Organization.

vPvB – Very Persistent and Very Bioaccumulative.

PBT – Persistent, Bioaccumulative and Toxic substance.

LC50 – Lethal Concentration to 50 % of a test population.

LD50 – Lethal Dose to 50% of a test population (Median Lethal Dose).

EC50 – Effective concentration to 50% of a test population (half maximal effective concentration).

IC50 – Inhibitory concentration to 50% of a test population (half maximal inhibitory concentration).

CAS – Chemical Abstracts Service number.

CEN – European Committee for Standardisation.

STOT – Specific Target Organ Toxicity.

PNEC(s) – Predicted No Effect Concentration(s).

ACGIH – Association advancing occupational and environmental health.

NIOSH – National Institute of Occupational Safety and Health.

SDS – Safety Data Sheet.

KEY LITERATURE REFERENCES AND SOURCES FOR DATA:

- The data provided by the European Chemicals Bureau (ECB), European Chemicals Agency (ECHA), Swedish Chemicals Agency (KEMI), International Laboratories Organization (ILO), the TOXNET Internet pages.

Disclaimer

Information is correct to the best of our knowledge at the date of the SDS publication. It is not a specification sheet nor should any displayed data be construed as a specification. The information on this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, expressed or implied, regarding its correctness. Some information presented and conclusions drawn herein are from sources other than direct test data on the product itself. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with handling, storage, use, or disposal of this product. If the product is used as a component in another product, this SDS information may not be applicable.