

Safety Data Sheet

According to Regulation (EC) No 1907/2006 of the European Parliament and of the Council

Date of issue: 08/03/2017	Trade name:	Page: 1/7
Reviewed on:	CERAMIC PASTE WHITE	Version: 1.0

1. Section 1. Identification of the substance/mixture and of the company/undertaking:

1.1. Product identifier:

Trade name: **CERAMIC PASTE WHITE**
Product code: **1 05.0005**

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

Uses of the mixture: Lubricant.
For professional and industrial use only.
Uses advised against: Not known.

1.3. Details of the supplier of the safety data sheet:

Identification of manufacturer/Supplier:
RETECH, s.r.o.
Vackova 1541/4
150 00 Praha 5 - Stodůlky
Czech Republic
Telephone number/Fax: +420 327 596 128, +420 327 596 428
E-mail: info@retech.cz

1.4. Emergency telephone number:

RETECH, Suchdol 212, 285 02 Suchdol u Kutné Hory, Czech Republic
Telephone number: +420 327 596 128 (7.30-16.00 hour)
Toxikologické informační středisko (Toxicology Information Centre),
Na bojišti 1, 128 08 PRAHA 2, Czech Republic
Telephone number: +420 224 919 293, +420 224 915 402 (24 hours a day)

2. Section 2. Hazard identification:

2.1. Classification of the substance or mixture:

Classification according to Regulation (EC) No 1272/2008 [CLP]:
Aerosol 3 H229 Pressurised container: May burst if heated.

2.2. Label elements:

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

Signal Word: Warning

Hazard Statements:

H229 Pressurised container: May burst if heated.

Precautionary Statements:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P251 Do not pierce or burn, even after use.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501 Dispose of contents/container in accordance with national regulation.

Supplemental Hazard information (EU):

EUH210 Safety data sheet available on request.

Contains fluorinated greenhouse gases (HFC134a):

F-gas: 0,005 kg
CO₂ equivalent: 7,15 kg
GWP: 1430

2.3. Other hazards:

Results of PBT and vPvB assessment:

PBT: Not applicable
vPvB: Not applicable

3. Section 3. Composition/information on ingredients:

3.2. Mixtures:

Description of the mixture: Mixture of active ingredients with propellant

Safety Data Sheet

According to Regulation (EC) No 1907/2006 of the European Parliament and of the Council

Date of issue: 08/03/2017	Trade name:	Page: 2/7
Reviewed on:	CERAMIC PASTE WHITE	Version: 1.0

Hazardous ingredients:

CAS: 811-97-2	1,1,1,2-Tetrafluoroethane Press Gas, H280	2.5 -< 5 %
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For full text of H-statements: see SECTION 16.

4. Section 4. First aid measures:

4.1. Description of first aid measures:

General notes: When in doubt or if symptoms are observed, get medical advice.

After inhalation: Move affected person to fresh air and keep at rest.
Get medical attention if any discomfort continues.

After skin contact: Immediately wash with water and soap and rinse thoroughly.
Take off immediately all contaminated clothing.

After eye contact: Remove contact lenses, if present and easy to do.
Rinse cautiously with water for several minutes.
Get medical attention if any discomfort continues.

After swallowing: Do not induce vomiting.
Immediately call a doctor.

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

No further relevant information available.

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

No further relevant information available.

5. Section 5. Firefighting measures:

5.1. Extinguishing media:

Suitable extinguishing agents: Carbon dioxide (CO₂), fire-extinguishing powder, water haze, foam.
Unsuitable extinguishing agents: Water with full jet.

5.2. Special hazards arising from the substance or mixture:

No further relevant information available.

5.3. Advice for firefighters:

Wear protective clothing and self-contained breathing apparatus.
Cool endangered receptacles with water spray.
Dispose of contaminated extinguishing water and remains after the fire in accordance with the official regulations.

6. Section 6. Accidental release measures:

6.1. Personal precautions, protective equipment and emergency procedures:

Wear protective equipment, see Section 8.
Keep unprotected persons away.
Ensure adequate ventilation.

6.2. Environmental precautions:

No special measures are necessary.

6.3. Methods and material for containment and cleaning up:

Ensure adequate ventilation.
Collect mechanically.
Dispose contaminated material as waste according to Section 13.

6.4. Reference to other sections:

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7. Section 7. Handling and storage:

7.1. Precautions for safe handling:

Protective measures: No special measures are necessary.
Wear protective equipment, see Section 8.
Ensure good ventilation/exhaustion at the workplace.
Avoid contact with skin and eyes.

Measures to prevent fire: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Safety Data Sheet

According to Regulation (EC) No 1907/2006 of the European Parliament and of the Council

Date of issue: 08/03/2017	Trade name:	Page: 3/7
Reviewed on:	CERAMIC PASTE WHITE	Version: 1.0

- Do not pierce or burn, even after use.
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
- 7.2. Conditions for safe storage, including any incompatibilities:
Requirements for storage rooms and vessels:
Observe official regulations on storing packagings with pressurized containers.
Technical measures and storage conditions:
Observe official regulations on storing packagings with pressurized containers.
Further information on storage conditions:
No further relevant information available.
- 7.3. Specific end use(s): No further relevant information available.

8. Section 8. Exposure controls/personal protection:

8.1. Control parameters:

Components with limit values that require monitoring at the workplace:
WEL (United Kingdom): EH40/2005

CAS	Substance	Long-term (8-hr TWA ref. period)		Short-term (15 minute ref. period)		Comments
		ppm	mg/m ³	ppm	mg/m ³	
811-97-2	1,1,1,2-Tetrafluoroethane	1000	4240	-	-	-

OEL: 2000/39/EG, 2006/15/EG, 2009/161/EG

Contains no substances with occupational exposure limit values.

Additional information: The lists that were valid during the compilation were as basis.

8.2. Exposure controls:

Technical measures to prevent exposure:

Ensure good ventilation/exhaustion at the workplace.

General protective measures: Store away from foodstuffs, beverages and feed.

Take off immediately all contaminated clothing.

Avoid skin and eye contact.

Personal protection equipment:

Respiratory protection: Ensure good ventilation/exhaustion at the workplace.

Eye protection: Tightly sealed goggles

Hand protection: Protective gloves

The glove material must be impermeable and resistant against the product/substance/preparation.

Material of gloves: nitril rubber

Recommended thickness of the material: ≥ 0.7 mm

Penetration time of glove material: ≥ 240 min.

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Skin protection:

Protective suit.

9. Section 9. Physical and chemical properties:

9.1. Information on basic physical and chemical properties:

Form: Pasty

Colour: Beige

Odour: Mild, characteristic

Odour threshold: Not determined.

Value pH at 20 °C: Not determined.

Melting point/freezing point: Not determined.

Initial boiling point/boiling range: Not determined.

Flash point: > 200 °C

Evaporation rate: Not determined.

Flammability (solid, gas): Not determined.

Explosive properties: The product is not explosive.

Date of issue: 08/03/2017	Trade name:	Page: 4/7
Reviewed on:	CERAMIC PASTE WHITE	Version: 1.0

Explosive limits:
 – lower: Not determined.
 – upper: Not determined.
 Vapour pressure at 20 °C: Not determined.
 Vapour density at 20 °C: Not determined.
 Density at 20 °C: 1.29 g/cm³
 Relative density: Not determined.
 Solubility in/miscibility with: Water: insoluble.
 Partition coefficient (n-octanol/water): Not determined.
 Ignition temperature: Not determined.
 Decomposition temperature: Not determined.
 Self-ignition temperature: The product is not selfigniting.
 Viscosity: Not determined.
 Oxidising properties: Not determined.

9.2. Other information:
 Organic solvents: 0.0 %
 VOC (EU): 33.5 g/l

10. Section 10. Stability and reactivity:

10.1. Reactivity: No further relevant information available.
 10.2. Chemical stability: No decomposition if used according to specifications.
 10.3. Possibility of hazardous reactions:
 React with strong oxidizing agents.
 10.4. Conditions to avoid: No further relevant information available.
 10.5. Incompatible materials: No further relevant information available.
 10.6. Hazardous decomposition products:
 No dangerous decomposition products known.

11. Section 11. Toxicological information:

11.1. Information on toxicological effects:
 Acute toxicity: Based on available data, the classification criteria are not met.
 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 or skin sensitization:
 Based on available data, the classification criteria are not met.
 Germ cell mutagenicity: Based on available data, the classification criteria are not met.
 Carcinogenicity: Based on available data, the classification criteria are not met.
 Reproductive toxicity: Based on available data, the classification criteria are not met.
 Specific target organ toxicity - single exposure: Based on available data, the classification criteria are not met.
 Specific target organ toxicity - repeated exposure: Based on available data, the classification criteria are not met.
 Aspiration hazard: Based on available data, the classification criteria are not met.
 Other information: No further relevant information available.

12. Section 12. Ecological information:

12.1. Toxicity:
 Aquatic toxicity: No further relevant information available.
 12.2. Persistence and degradability: No further relevant information available.
 12.3. Bioaccumulative potential: No further relevant information available.
 12.4. Mobility in soil: No further relevant information available.
 Additional ecological information:
 General notes: Water danger class 1 (German Regulation) (Self-assessment):
 slightly hazardous for water
 12.5. Results of PBT and vPvB assessment:
 PBT: Not applicable

Safety Data Sheet

According to Regulation (EC) No 1907/2006 of the European Parliament and of the Council




Date of issue: 08/03/2017	Trade name:	Page: 5/7
Reviewed on:	CERAMIC PASTE WHITE	Version: 1.0

vPvB: Not applicable
12.6. Other adverse effects: No further relevant information available.

13. Section 13. Disposal considerations:

13.1. Waste treatment methods:
Product disposal: Smaller quantities can be disposed of with household waste.
European Waste Catalogue: 16 05 04* gases in pressure containers (including halons) containing hazardous substances (*hazardous waste)
Packagings disposal: Disposal must be made according to official regulations.
European Waste Catalogue: 15 01 11* metallic packaging containing a hazardous solid porous matrix (for example asbestos), including empty pressure containers (*hazardous waste)
Other disposal recommendations: Disposal must be made according to official regulations.
The final decisions on the appropriate waste management method, in line with regional, national and European legislation, and possible adaptation to local conditions, remains the responsibility of the waste treatment operator.

14. Section 14. Transport information:

14.1. UN number:
ADR/RID/ADN, IMDG, IATA UN 1950
14.2. UN proper shipping name:
ADR/RID/ADN UN 1950 AEROSOLS
IMDG AEROSOLS
IATA AEROSOLS, non-flammable
14.3. Transport hazard class(es):
ADR/RID/ADN 
Class 2 5 A Gases
Hazard label 2.2
IMDG 
Class 2.2
Hazard label 2.2
IATA 
Class 2.2
Hazard label 2.2
14.4. Packing group:
ADR, IMDG, IATA Void
14.5. Environmental hazards:
Marine pollutant: No
14.6. Special precautions for user: Warning: Gases
Danger Code (Kemler): -
EMS Number: F-D, S-U
Stowage Code: SW1 Protected from sources of heat.
SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A.
For AEROSOLS with a capacity above 1 litre: Category B.
For WASTE AEROSOLS: Category C, Clear of living quarters.
Segregation Code: SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4.
For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate

Safety Data Sheet

According to Regulation (EC) No 1907/2006 of the European Parliament and of the Council

Date of issue: 08/03/2017	Trade name:	Page: 6/7
Reviewed on:	CERAMIC PASTE WHITE	Version: 1.0

subdivision of class 2.

For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.

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

Not applicable.

Transport/ Additional information:

ADR/RID/ADN

Limited quantities (LQ) 1L

Excepted quantities (EQ) Code: E0

Not permitted as Excepted Quantity

Transport category 3

Tunnel restriction code E

IMDG

Limited quantities (LQ) 1L

Excepted quantities (EQ) Code: E0

Not permitted as Excepted Quantity

UN "Model Regulation": UN 1950 AEROSOLS, 2.2

15. Section 15. Regulatory information:

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

Used legislation:

Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals, as amended (REACH)

Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures, as amended (CLP)

Regulation (EC) No 648/2004 of the European Parliament and of the Council on detergents, as amended
Commission Decision 2000/532/EC establishing a list of wastes, as amended

Council Directive 89/686/EEC on the approximation of the laws of the Member States relating to personal protective equipment, as amended

Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work, as amended

Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values

Commission Directive 2006/15/EC establishing a second list of indicative occupational exposure limit values

Commission Directive 2009/161/EU establishing a third list of indicative occupational exposure limit values

Directive 2004/42/CE of the European Parliament and of the Council on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes and vehicle refinishing products and amending Directive 1999/13/EC, as amended

15.2. Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16. Section 16. Other information:

Relevant H-statements (Section 3):

H280 Contains gas under pressure; may explode if heated.

Abbreviations and acronyms:

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

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

CAS: Chemical Abstracts Service (division of the American Chemical Society)

IATA: International Air Transport Association

IMDG: International Maritime Code for Dangerous Goods

OEL: Occupational Exposure Limit

PBT: Persistent, Bioaccumulative, Toxic

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

VOC: Volatile Organic Compounds

vPvB: Very Persistent, Very Bioaccumulative

Safety Data Sheet

According to Regulation (EC) No 1907/2006 of the European Parliament and of the Council

Date of issue: 08/03/2017	Trade name:	Page: 7/7
Reviewed on:	CERAMIC PASTE WHITE	Version: 1.0

WEL: Workplace exposure limits
Press. Gas: Gases under pressure
Aerosol 3: aerosol, category 3

The information contained herein is based on our best knowledge and the present legislation. Further, the Safety Data Sheet has been elaborated on the basis of the original Safety Data Sheet provided by the manufacturer. These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

***Compared to the last version the data has been changed.**