

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Revision date: 1/09/2023

CERAMIC MASTER

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

1.1 Product identifier

Product name: CERAMIC MASTER

Article number: E100115

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

Relevant identified uses

Main use category: Industrial use, professional use.

Industrial/Professional use spec: Wide dispersive use.

Use of the substance/mixture: Lubricants and additives.

Function or use category: Lubricants and additives.

Uses advised against

No additional information available.

1.3 Details of the supplier of the safety data sheet

Company: MULTITASK INDUSTRIES
KARNEMELKSTRAAT 12
9060 ZELZATE / BELGIUM
TEL : +32 (0)9 282 43 61
FAX : +32 (0)9 337 04 96
HOMEPAGE: www.multitaskindustries.be
EMAIL: info@multitaskindustries.be

Information department:

Technical information: info@multitaskindustries.be

1.4 Emergency telephone number: Poison control centre (Brussels): +32 (0)70 245 245.

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

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

Aerosol, Category 1 H222; H229

Specific target organ toxicity - Single exposure, Category 3, Narcosis H336

Full text of H- and EUH-statements: see section 16.

Adverse physicochemical, human health and environmental effects: Pressurised container: May burst if heated. Extremely flammable aerosol. May cause drowsiness or dizziness. May be fatal if swallowed and enters airways. Toxic to aquatic life with long lasting effects.

Safety Data Sheet
according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Revision date: 1/09/2023

CERAMIC MASTER

2.2 Label elements

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

Hazard pictograms (CLP):



GHS02



GHS07

Signal word (CLP): Danger.

Contains: pentane.

Hazard statements (CLP):

- H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.
H336 May cause drowsiness or dizziness.

Precautionary statements (CLP):

- P210 Keep away from heat, hot surfaces, sparks, open flames. - No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Do not pierce or burn, even after use.
P261 Avoid breathing vapours, mist, spray.
P271 Use only outdoors or in a well-ventilated area.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P405 Store locked up.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 122 °F, 50°C.

Extra phrases: For professional use only.

2.3 Other hazards

Contains no PBT/vPvB substances $\geq 0.1\%$ assessed in accordance with REACH Annex XIII.
The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Revision date: 1/09/2023

CERAMIC MASTER

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance

Not applicable.

3.2 Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
propane (Note U)	CAS-No.: 74-98-6 EC-No.: 200-827-9 EC Index-No.: 601-003-00-5	0,5 – 49,5	Flam. Gas 1A, H220 Press. Gas
butane (Note C)(Note U)	CAS-No.: 106-97-8 EC-No.: 203-448-7 EC Index-No.: 601-004-00-0	0,5 – 49,5	Flam. Gas 1A, H220 Press. Gas
isobutane (Note C)(Note U)	CAS-No.: 75-28-5 EC-No.: 200-857-2 EC Index-No.: 601-004-00-0	0,5 – 49,5	Flam. Gas 1A, H220 Press. Gas
pentane (Note C)	CAS-No.: 109-66-0 EC-No.: 203-692-4 EC Index-No.: 601-006-00-1	≥ 20 – < 50	Flam. Liq. 2, H225 Asp. Tox. 1, H304 STOT SE 3, H336 Aquatic Chronic 2, H411
zinc oxide	CAS-No.: 1314-13-2 EC-No.: 215-222-5 EC Index-No.: 030-013-00-7	2,5 – 5	Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Note C: Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.

Note U: When put on the market gases have to be classified as 'Gases under pressure', in one of the groups compressed gas, liquefied gas, refrigerated liquefied gas or dissolved gas. The group depends on the physical state in which the gas is packaged and therefore has to be assigned case by case. The following codes are assigned: Press. Gas (Comp.), Press. Gas (Liq.), Press. Gas (Ref. Liq.), Press. Gas (Diss.). Aerosols shall not be classified as gases under pressure (See Annex I, Part 2, Section 2.3.2.1, Note 2).

Product subject to CLP Article 1.1.3.7. The disclosure rules of the components are modified in this case.
Full text of H- and EUH-statements: see section 16

4. FIRST AID MEASURES

4.1 Description of first aid measures

First-aid measures general: Call a physician immediately.

First-aid measures after inhalation: Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact: Wash skin with plenty of water.

First-aid measures after eye contact: Rinse eyes with water as a precaution.

First-aid measures after ingestion: Do not induce vomiting. Call a physician immediately.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/effects: May cause drowsiness or dizziness.

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Revision date: 1/09/2023

CERAMIC MASTER

Symptoms/effects after skin contact: Repeated exposure may cause skin dryness or cracking.

Symptoms/effects after ingestion: Risk of lung oedema.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Water spray. Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media: Do not use a heavy water stream.

5.2 Special hazards arising from the substance or mixture

Fire hazard: Extremely flammable aerosol.

Explosion hazard: Pressurised container: May burst if heated.

Reactivity in case of fire: Product is not explosive.

Hazardous decomposition products in case of fire: Toxic fumes may be released.

5.3 Advice for firefighters

Protection during firefighting: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Emergency procedures: Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid breathing dust/fume/gas/mist/vapours/spray.

For emergency responders

Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2 Environmental precautions

Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

For containment: Collect spillage.

Methods for cleaning up: Mechanically recover the product.

Other information: Dispose of the materials or solid residues at an authorized site.

6.4 Reference to other sections

For further information refer to section 13.

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Revision date: 1/09/2023

CERAMIC MASTER

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Precautions for safe handling: Wear personal protective equipment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapours/spray.

Hygiene measures: Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F. Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.

7.3 Specific end use(s)

No additional information available.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

National occupational exposure and biological limit values: No additional information available.

Recommended monitoring procedures: No additional information available.

Air contaminants formed: No additional information available.

DNEL and PNEC: No additional information available.

Control banding: No additional information available.

8.2 Exposure controls

Appropriate engineering controls: Ensure good ventilation of the workstation.

Personal protective equipment

Personal protective equipment symbol(s):



Eye and face protection

Eye protection: Safety glasses.

Skin protection

Skin and body protection: Wear suitable protective clothing.

Hand protection: Nitrile rubber gloves.

Material: Nitrile rubber (NBR).

Permeation: 6 (> 480 minutes).

Thickness (mm): 0.38

Standard: EN ISO 374

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Revision date: 1/09/2023

CERAMIC MASTER

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment.

Filter type: Filter AX (brown)

Condition: Vapour protection, gas protection.

Standard: EN 136, EN 140, EN 405, EN 149, EN 143

Thermal hazards: No additional information available.

Environmental exposure controls: Avoid release to the environment.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state:	Liquid.
Colour:	White.
Appearance:	Paste.
Odour:	Characteristic.
Odour threshold:	Not available.
Melting point:	Not applicable.
Freezing point:	Not available.
Boiling point:	Not available.
Flammability:	Extremely flammable aerosol.
Explosive properties:	Pressurised container: May burst if heated.
Lower explosion limit:	Not available.
Upper explosion limit:	Not available.
Flash point:	Not applicable.
Auto-ignition temperature:	Not available.
Decomposition temperature:	Not available.
pH:	Not available.
Viscosity, kinematic:	< 20,5 mm ² /s
Solubility:	Not available.
Partition coefficient n-octanol/water (Log Kow):	Not available.
Vapour pressure:	Not available.
Vapour pressure at 50°C:	Not available.
Density:	1,05 – 1,15 g/cm ³ (estimated value).
Relative density:	Not available.
Relative vapour density at 20°C:	Not available.
Particle characteristics:	Not applicable.

9.2 Other information

Information regarding to physical hazard classes: % of flammable ingredients: 100 %

Other safety characteristics: No additional information available.

Safety Data Sheet
according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Revision date: 1/09/2023

CERAMIC MASTER

10. STABILITY AND REACTIVITY

10.1 Reactivity

Extremely flammable aerosol. Pressurised container: May burst if heated.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4 Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5 Incompatible materials

No additional information available.

10.6 Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

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

Acute toxicity (oral): Not classified.

Acute toxicity (dermal): Not classified.

Acute toxicity (inhalation): Not classified.

Skin corrosion/irritation: Not classified.

Serious eye damage/irritation: Not classified.

Respiratory or skin sensitisation: Not classified.

Germ cell mutagenicity: Not classified.

Carcinogenicity: Not classified.

Reproductive toxicity: Not classified.

STOT-single exposure: May cause drowsiness or dizziness.

pentane (109-66-0)	
STOT-single exposure	May cause drowsiness or dizziness.

STOT (repeated exposure): Not classified.

Aspiration hazard: Not classified.

CERAMIC MASTER	
Vaporizer	Aerosol
Viscosity, kinematic	< 20,5 mm ² /s

11.2 Information on other hazards

No additional information available.

Safety Data Sheet
according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Revision date: 1/09/2023

CERAMIC MASTER

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Ecology – general: Toxic. to aquatic life with long lasting effects.

Hazardous to the aquatic environment, short-term (acute): Not classified.

Hazardous to the aquatic environment, long-term (chronic): Not classified.

12.2 Persistence and degradability

No additional information available.

12.3 Bioaccumulative potential

No additional information available.

12.4 Mobility in soil

No additional information available.

12.5 Results of PBT and vPvB assessment

No additional information available.

12.6 Endocrine disrupting properties

No additional information available.

12.7 Other adverse effects

No additional information available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose of contents/container in accordance with licensed collector's sorting instructions.

14. TRANSPORT INFORMATION

In accordance with ADR/RID/IMDG/IATA/ADN

14.1 UN number or ID number

ADR: UN 1950

IMDG: UN 1950

IATA: UN 1950

ADN: UN 1950

RID: UN 1950

14.2 UN proper shipping name

ADR: AEROSOLS

IMDG: AEROSOLS

IATA: Aerosols, flammable

ADN: AEROSOLS

Safety Data Sheet
according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Revision date: 1/09/2023

CERAMIC MASTER

RID: AEROSOLS

Transport document description

ADR: UN 1950 AEROSOLS, 2.1, (D)

IMDG: UN 1950 AEROSOLS, 2.1

IATA: UN 1950 Aerosols, flammable, 2.1

ADN: UN 1950 AEROSOLS, 2.1

RID: UN 1950 AEROSOLS, 2.1

14.3 Transport hazard class(es)

ADR: 2.1



IMDG: 2.1



IATA: 2.1



ADN: 2.1



RID: 2.1



14.4 Packing group

ADR: Not applicable.

IMDG: Not applicable.

IATA: Not applicable.

ADN: Not applicable.

RID: Not applicable.

14.5 Environmental hazards

ADR:

Dangerous for the environment: No.

IMDG:

Dangerous for the environment: No.

Safety Data Sheet
according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Revision date: 1/09/2023

CERAMIC MASTER

Marine pollutant: No.

IATA:

Dangerous for the environment: No.

ADN:

Dangerous for the environment: No.

RID:

Dangerous for the environment: No.

No supplementary information available.

14.6 Special precautions for user

Overland transport

Classification code (ADR): 5F

Special provisions (ADR): 190, 327, 344, 625

Limited quantities (ADR): 1L

Excepted quantities (ADR): E0

Packing instructions (ADR): P207

Special packing provisions (ADR): PP87, RR6, L2

Mixed packing provisions (ADR): MP9

Transport category (ADR): 2

Special provisions for carriage – Packages (ADR): V14

Special provisions for carriage – Loading, unloading and handling (ADR): CV9, CV12

Special provisions for carriage – Operation (ADR): S2

Tunnel restriction code (ADR): D

Transport by sea

Special provisions (IMDG): 63, 190, 277, 327, 344, 381, 959

Limited quantities (IMDG): SP277

Excepted quantities (IMDG): E0

Packing instructions (IMDG): P207, LP200

Special packing provisions (IMDG): PP87, L2

EmS-No. (Fire): F-D

EmS-No. (Spillage): S-U

Stowage category (IMDG): None

Stowage and handling (IMDG): SW1, SW22

Segregation (IMDG): SG69

Air transport

PCA Excepted quantities (IATA): E0

PCA limited quantities (IATA): Y203

PCA limited quantity max net quantity (IATA): 30kgG

PCA packing instructions (IATA): 203

PCA max net quantity (IATA): 75kg

CAO packing instructions (IATA): 203

CAO max net quantity (IATA): 150kg

Special provisions (IATA): A145, A167, A802

ERG code (IATA): 10L

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Revision date: 1/09/2023

CERAMIC MASTER

Inland waterway transport

Classification code (ADN): 5F
 Special provisions (ADN): 190, 327, 344, 625
 Limited quantities (ADN): 1 L
 Excepted quantities (ADN): E0
 Equipment required (ADN): PP, EX, A
 Ventilation (ADN): VE01, VE04
 Number of blue cones/lights (ADN): 1

Rail transport

Classification code (RID): 5F
 Special provisions (RID): 190, 327, 344, 625
 Limited quantities (RID): 1L
 Excepted quantities (RID): E0
 Packing instructions (RID): P207, LP200
 Special packing provisions (RID): PP87, RR6, L2
 Mixed packing provisions (RID): MP9
 Transport category (RID): 2
 Special provisions for carriage – Packages (RID): W14
 Special provisions for carriage – Loading, unloading and handling (RID): CW9, CW12
 Colis express (express parcels) (RID): CE2
 Hazard identification number (RID): 23

14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

15. REGULATORY INFORMATION

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

EU-Regulations:

REACH Annex XVII (Restriction List):

EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	Entry title or description
3(a)	CERAMIC MASTER; pentane	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F
3(b)	CERAMIC MASTER; pentane	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10
3(c)	CERAMIC MASTER; pentane	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Revision date: 1/09/2023

CERAMIC MASTER

40.	pentane	Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.
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REACH Annex XIV (Authorisation List): Contains no substance(s) listed on REACH Annex XIV (Authorisation List).

REACH Candidate List (SVHC): Contains no substance(s) listed on the REACH Candidate List.

PIC Regulation (Prior Informed Consent): Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals).

POP Regulation (Persistent Organic Pollutants): Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants).

Ozone Regulation (1005/2009): Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer).

Explosives Precursors Regulation (2019/1148): Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors).

Drug Precursors Regulation (273/2004): Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances).

National regulations: No additional information available.

15.2 Chemical safety assessment

No chemical safety assessment has been carried out.

16. OTHER INFORMATION

Abbreviations and acronyms:

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

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

ATE: Acute Toxicity Estimate.

BCF: Bioconcentration factor.

CLP: Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008.

DMEL: Derived Minimal Effect level.

DNEL: Derived-No Effect Level.

DPD: Dangerous Preparations Directive 1999/45/EC.

DSD: Dangerous Substances Directive 67/548/EEC.

EC50: Median effective concentration.

IARC: International Agency for Research on Cancer.

IATA: International Air Transport Association.

IMDG: International Maritime Dangerous Goods.

LC50: Median lethal concentration.

LD50: Median lethal dose.

LOAEL: Lowest Observed Adverse Effect Level.

NOAEC: No-Observed Adverse Effect Concentration.

NOAEL: No-Observed Adverse Effect Level.

NOEC: No-Observed Effect Concentration.

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Revision date: 1/09/2023

CERAMIC MASTER

OECD: Organisation for Economic Co-operation and Development.

PBT: Persistent Bioaccumulative Toxic.

PNEC: Predicted No-Effect Concentration.

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.

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

SDS: Safety Data Sheet.

STP: Sewage treatment plant.

TLM: Median Tolerance Limit.

vPvB: Very Persistent and Very Bioaccumulative.

BLV: Biological limit value.

BOD: Biochemical oxygen demand (BOD).

COD: Chemical oxygen demand (COD).

EC-No.: European Community number.

EN: European Standard.

OEL: Occupational Exposure Limit.

ThOD: Theoretical oxygen demand (ThOD).

VOC: Volatile Organic Compounds.

CAS-No.: Chemical Abstract Service number.

N.O.S.: Not Otherwise Specified.

ED: Endocrine disrupting properties.

Full text of H- and EUH-statements:

Aquatic Acute 1: Hazardous to the aquatic environment – Acute Hazard, Category 1.

Aquatic Chronic 1: Hazardous to the aquatic environment – Chronic Hazard, Category 1.

Aquatic Chronic 2: Hazardous to the aquatic environment – Chronic Hazard, Category 2.

Asp. Tox. 1: Aspiration hazard, Category 1.

Flam. Gas 1A: Flammable gases, Category 1A.

Flam. Liq. 2: Flammable liquids, Category 2.

Press. Gas: Gases under pressure.

STOT SE 3: Specific target organ toxicity – Single exposure, Category 3, Narcosis.

H220: Extremely flammable gas.

H222: Extremely flammable aerosol.

H225: Highly flammable liquid and vapour.

H229: Pressurised container: May burst if heated.

H304: May be fatal if swallowed and enters airways.

H336: May cause drowsiness or dizziness.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

H411: Toxic to aquatic life with long lasting effects.

The classification complies with: ATP 12

DISCLAIMER. The information obtained in this Safety Data Sheet from sources, which we believe, are reliable. The conditions or methods of handling, storage or disposal of the product are beyond our control and control and may be beyond our knowledge. For this and other reasons, we do not accept any liability for loss, damage or expense which explicitly rejected in any way, can result from handling, storage, use or disposal of the product. This Safety Data Sheet was prepared and is to be used only for this product. If the product is used as a component in another product, it is possible that the Safety Data Sheet information is not applicable.