Tputty™ 607

Ref. 130000158278
Version 3.0
(replaces: Version 2.0)

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This Safety Data Sheet adheres to the standards and regulatory requirements of Great Britain and may not meet the regulatory requirements in other countries.

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

1.1. Product identifier

Product name : Tputty™ 607

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

Use of the Substance/Mixture : For industrial use only.

1.3. Details of the supplier of the safety data sheet

Company : Du Pont (UK) Limited
4th Floor, Kings Court, London Road
Stevenage, Herts.
SG1 2NG
United Kingdom

Telephone : +44 (0) 1438 734 000

Supplier : LAIRD s.r.o.
Prumyslova 497, Liberec, 46312, Czech Republic

Telephone : +420-488-575-111

E-mail address : laird.orders-emea@dupont.com

1.4. Emergency telephone number

+(44)-870-8200418 (CHEMTREC)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Not a hazardous substance or mixture.

2.2. Label elements

Not a hazardous substance or mixture.

Special labelling of certain substances and mixtures: EUH210 Safety data sheet available on request.

The following percentage of the mixture consists of ingredient(s) with unknown acute oral toxicity: 4.27 %
The following percentage of the mixture consists of ingredient(s) with unknown acute dermal toxicity: 4.27 %
The following percentage of the mixture consists of ingredient(s) with unknown acute inhalation toxicity: 4.27 %

2.3. Other hazards

Endocrine disrupting properties (human health):
This substance/mixture does not contain components considered to have endocrine disrupting properties for human health according to UK REACH Article 57(f).

Endocrine disrupting properties (environment):
This substance/mixture does not contain components considered to have endocrine disrupting properties for environment according to UK REACH Article 57(f).

PBT and vPvB assessment:
This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Identification number	Component	Classification according to GB-CLP	Specific concentration limits/ M-Factors/ Acute toxicity estimate	%
CAS-No. 1314-13-2 **EC-No.** 215-222-5 **Index-No.** 030-013-00-7 **Registration number** -	Zinc oxide	Aquatic Acute 1; H400 Aquatic Chronic 1; H410	M-Factors: 1[Acute] 1[Chronic] Oral ATE: > 5,000 mg/kg Inhalation ATE: > 5.7 mg/l (dust/mist) Dermal ATE: > 2,000 mg/kg	>= 10< 20 %

Substances with a workplace exposure limit

Identification number	Component	Classification according to GB-CLP	Specific concentration limit/ M-Factors/ Acute toxicity estimate	%
CAS-No. 1344-28-1 **EC-No.** 215-691-6 **Index-No.** - **Registration number** -	Aluminum oxide		Oral ATE: > 10,000 mg/kg Inhalation ATE: > 5.09 mg/l (dust/mist)	>= 70< 90 %

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice : In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). First Aid responders should pay attention to self-protection and use the recommended protective clothing. Remove from exposure, lie down.

Inhalation : Is not an expected route of exposure under normal conditions. Remove victim

to fresh air and keep at rest in a position comfortable for breathing. Keep person calm. If symptoms persist, call a physician. If unconscious, place in recovery position and get medical attention immediately. Keep respiratory tract clear.

Skin contact : Take off contaminated clothing and shoes immediately. Wash off with soap and water. Get medical attention if irritation develops and persists. Wash contaminated clothing before reuse. Thoroughly clean shoes before reuse.

Eye contact : If easy to do, remove contact lens, if worn. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical attention if symptoms persist.

Ingestion : Rinse mouth. Call a physician immediately. Do NOT induce vomiting. Place unconscious person on the side in the recovery position and ensure open airways. Do not give anything by mouth to an unconscious person.

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

Symptoms : May irritate skin.

: May irritate eyes.

: May cause irritation of the mucous membranes.

: For further information see Section 11.

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

Treatment : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. Symptoms may be delayed for several hours.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Dry powder, Sand

Extinguishing media which shall not be used for safety reasons : Water, Carbon dioxide (CO2), Foam

5.2. Special hazards arising from the substance or mixture

Specific hazards during firefighting : Material will burn. May release toxic and/or hazardous fumes and gases. Dust may form explosive mixture in air. Do not allow run-off from fire fighting to enter drains or water courses. Avoid generating dust; fine dust dispersed in air in

sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

5.3. Advice for firefighters

Special protective equipment for firefighters	:	Wear full protective clothing and self-contained breathing apparatus.
Further information	:	In the event of fire and/or explosion do not breathe fumes. Evacuate personnel to safe areas.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	:	Keep unnecessary and unprotected personnel from entering. Wear suitable protective equipment. Refer to protective measures listed in sections 7 and 8. Control access to area. Avoid contact with the skin and the eyes. Evacuate personnel to safe areas. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Remove all sources of ignition. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. If the material is involved in a fire, or if dusts are produced, no action shall be taken involving any personal risk or without suitable training. Avoid breathing dust.

6.2. Environmental precautions

Environmental precautions	:	If the product contaminates rivers and lakes or drains inform respective authorities. Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water.

6.3. Methods and materials for containment and cleaning up

Methods for cleaning up	:	Sweep up or vacuum up spillage and collect in suitable container for disposal. For disposal instructions see section 13. Large spills should be collected mechanically (remove by pumping) for disposal. Eliminate all ignition sources if safe to do so. Move it to a safe place. Do not touch spilled material. Avoid dust formation. Wet wipe or vacuum up using a high efficiency particulate air (HEPA) vacuum. Use explosion proof equipment. Do not dry sweep dust accumulation.
Other information	:	Dispose of in accordance with local regulations.

6.4. Reference to other sections

For personal protection see section 8., For disposal instructions see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling	:	For personal protection see section 8. Handle in accordance with good industrial hygiene and safety practice. Provide adequate ventilation. Use personal

protective equipment as required. Wash hands thoroughly after handling. Take precautionary measures against static discharges. Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used. Avoid exposure - obtain special instructions before use. Avoid contact during pregnancy and while nursing. Do not handle until all safety precautions have been read and understood. Do not get in eyes, on skin, or on clothing. Do not ingest. Use only with adequate ventilation/personal protection. Do not breathe dust.

Advice on protection against fire and explosion : Keep away from heat and sources of ignition. No smoking.

Advice on general occupational hygiene : Wash hands before breaks and immediately after handling the product. Wash hands before eating, drinking, or smoking. Regular cleaning of equipment, work area and clothing. Wash contaminated clothing before re-use. Remove contaminated clothing and protective equipment before entering eating areas. Avoid contact with the skin and the eyes.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep in cool, dry place in original containers. Store away from incompatible materials (see Section 10). Store in a well-ventilated area away from heat and sunlight. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep tightly closed. Store in accordance with the particular national regulations.

Advice on common storage : Keep away from oxidizing agents, strongly acid or alkaline materials and amines.

Other data : Store at room temperature.

7.3. Specific end use(s)

Information on specific end use(s) of this product may be provided in a technical data sheet/annex to the SDS (if available).

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

If sub-section is empty then no values are applicable. For further information on any control parameters provided, please refer to the relevant regulation.

Components with workplace control parameters

Type Form of exposure	**Control parameters** (Expressed as)	**Update**	**Regulatory basis**

Aluminum oxide (CAS-No. 1344-28-1)

Long-term exposure limit (8-hour TWA reference period) inhalable dust	10 mg/m3	2011-12-01	UK. EH40 WEL - Workplace Exposure Limits

Long-term exposure limit (8-hour TWA reference period) Respirable dust	4 mg/m3	2011-12-01	UK. EH40 WEL - Workplace Exposure Limits

8.2. Exposure controls

Engineering measures	:	Use a local and/or general ventilation system. Local exhaust ventilation should be employed to minimize airborne contamination. Use only with adequate ventilation. Any process that has the potential to generate dust should be performed using engineering controls, such as isolation, enclosures, local exhaust ventilation, wetting with appropriate solvent, or dust collection systems, to control airborne fibers and dusts below applicable limits. Use explosion-proof electrical, ventilating and lighting equipment.
Protective measures	:	Wear suitable protective equipment.
Eye/face protection	:	Wear safety glasses with side shields. Ensure that eyewash stations and safety showers are close to the workstation location. If the work environment or activity involves dusty conditions, mists or aerosols, wear the appropriate goggles.
Hand protection	:	Material: Chemical-resistant gloves
	:	Material: butyl-rubber
	:	Material: Nitrile rubber
	:	Protective gloves should be worn when the potential exists for prolonged or repeated skin contact.
	:	Request information on glove permeation properties from the glove supplier.
	:	Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
Skin and body protection	:	Wear suitable protective clothing. Wear impervious, thermal barrier/insulated clothing such as gloves, apron, boots, or whole bodysuit to prevent ANY contact with liquid or vaporizing material.
Respiratory protection	:	In case of insufficient ventilation, wear suitable respiratory equipment. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Suitable respiratory equipment: Respirator with a full face mask Recommended Filter type: particulate prefilter
Environmental exposure controls	:	Soil: The product should not be allowed to enter drains, water courses or the soil.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	solid **Form** paste
Colour	blue
Odour	none
Melting point/freezing point	no data available
Boiling point or initial boiling point and boiling range	no data available
Flammability	The product is not flammable.
Lower explosion limit and upper explosion limit / flammability limit	no data available
Flash point	no data available
Auto-ignition temperature	no data available
Decomposition temperature	no data available
pH	no data available
Viscosity	**Viscosity, kinematic** no data available
Solubility(ies)	**Water solubility** no data available
Partition coefficient: n-octanol/water	no data available
Vapour pressure	no data available
Density and / or relative density	**Relative density** 3.4 (25 °C)
Relative vapour density	no data available
Particle characteristics	no data available

9.2. Other information

No other data to be specially mentioned.

SECTION 10: Stability and reactivity

10.1. Reactivity : Stable at normal ambient temperature and pressure.

10.2. Chemical stability : Stable at normal ambient temperature and pressure.

10.3. Possibility of hazardous reactions : No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoid : Decomposes on heating. Avoid prolonged exposure at or above the recommended processing temperatures.

10.5. Incompatible materials : Strong oxidizing agents
Strong acids
Strong bases
reactive metals

10.6. Hazardous decomposition products : Carbon oxides
Metal oxides

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (Acute oral toxicity)
Not classified
Not classified due to lack of data. / Not classified due to data which are conclusive although insufficient for classification.

- Zinc oxide
  LD50 / Rat : > 5,000 mg/kg
  Method: OECD Test Guideline 401

- Aluminum oxide
  LD50 / Rat : > 10,000 mg/kg
  Method: OECD Test Guideline 401

Acute toxicity (Acute dermal toxicity)
Not classified
Not classified due to lack of data. / Not classified due to data which are conclusive although insufficient for classification.

- Zinc oxide
  LD50 / Rat : > 2,000 mg/kg
  Method: OECD Test Guideline 402

Acute toxicity (Acute inhalation toxicity)
Not classified
Not classified due to lack of data. / Not classified due to data which are conclusive although insufficient for classification.

- Zinc oxide
  LC50 / 4 h Rat : > 5.7 mg/l (dust/mist)
  Method: OECD Test Guideline 403

- Aluminum oxide
  LC50 / 4 h Rat : > 5.09 mg/l (dust/mist)
  Method: OECD Test Guideline 403
  Information given is based on data obtained from similar substances.

Skin corrosion/irritation
Not classified
Not classified due to lack of data. / Not classified due to data which are conclusive although insufficient for classification.

- Zinc oxide
  Rabbit
  Classification: Not classified as irritant
  Result: No skin irritation
  Method: OECD Test Guideline 404

- Aluminum oxide
  Rabbit
  Classification: No skin irritation
  Result: No skin irritation
  Method: OECD Test Guideline 404

Serious eye damage/eye irritation
Not classified
Not classified due to lack of data. / Not classified due to data which are conclusive although insufficient for classification.

- Zinc oxide
  Rabbit
  Classification: Not classified as irritant
  Result: No eye irritation
  Method: OECD Test Guideline 405
  Minimal effects that do not meet the threshold for classification.

- Aluminum oxide
  Rabbit
  Classification: No eye irritation
  Result: No eye irritation

Respiratory or skin sensitisation
Not classified
Not classified due to lack of data. / Not classified due to data which are conclusive although insufficient for classification.

- Zinc oxide
  Guinea pig Maximisation Test
  Classification: Does not cause skin sensitization.
  Result: Does not cause skin sensitization.
  Method: OECD Test Guideline 406

- Aluminum oxide
  Guinea pig

Classification: Does not cause skin sensitization.
Result: Does not cause skin sensitization.

Germ cell mutagenicity
Not classified
Not classified due to lack of data. / Not classified due to data which are conclusive although insufficient for classification.

- Zinc oxide
  Weight of evidence does not support classification as a germ cell mutagen. Overall weight of evidence indicates that the substance is not mutagenic.

- Aluminum oxide
  Animal testing did not show any mutagenic effects. Did not cause genetic damage in cultured mammalian cells.

Carcinogenicity
Not classified
Not classified due to lack of data. / Not classified due to data which are conclusive although insufficient for classification.

- Aluminum oxide
  Not classifiable as a human carcinogen. Overall weight of evidence indicates that the substance is not carcinogenic.

Reproductive toxicity
Not classified
Not classified due to lack of data. / Not classified due to data which are conclusive although insufficient for classification.

- Zinc oxide
  Toxicity to reproduction assessment:
  Weight of evidence does not support classification for reproductive toxicity Animal testing showed effects on reproduction at levels equal to or above those causing parental toxicity. Information given is based on data obtained from similar substances.

  Assessment teratogenicity:
  Animal testing showed no developmental toxicity.

- Aluminum oxide
  Toxicity to reproduction assessment:
  No toxicity to reproduction Animal testing showed no reproductive toxicity. Information given is based on data obtained from similar substances.

  Assessment teratogenicity:
  Animal testing showed no developmental toxicity. Information given is based on data obtained from similar substances.

STOT - single exposure
Not classified
Not classified due to lack of data. / Not classified due to data which are conclusive although insufficient for classification.

- Zinc oxide
  The substance or mixture is not classified as specific target organ toxicant, single exposure.

- Aluminum oxide
  The substance or mixture is not classified as specific target organ toxicant, single exposure.

STOT - repeated exposure
Not classified
Not classified due to lack of data. / Not classified due to data which are conclusive although insufficient for classification.

- Zinc oxide
  The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

  Inhalation Rat
  Exposure time: 90 d
  Method: OECD Test Guideline 413
  No toxicologically significant effects were found.

  Skin contact Rat
  Exposure time: 28 d
  Method: OECD Test Guideline 410
  No toxicological effects warranting significant target organ toxicity classification were seen below the recommended guidance values for classification.

- Aluminum oxide
  The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

  Ingestion Rat
  Exposure time: 28 d
  NOAEL: 141 mg/kg
  Method: see user defined free text
  No toxicologically significant effects were found., Information given is based on data obtained from similar substances.

  Inhalation Rat
  Exposure time: 90 d
  Method: OECD Test Guideline 413
  No toxicological effects warranting significant target organ toxicity classification were seen below the recommended guidance values for classification.

Aspiration hazard
Not classified
Not classified due to lack of data. / Not classified due to data which are conclusive although insufficient for classification.

- Zinc oxide
  No aspiration toxicity classification

- Aluminum oxide

No aspiration toxicity classification

Human experience

No human exposure data is available.

SECTION 12: Ecological information

12.1. Toxicity

Toxicity to fish

- Zinc oxide
  LC50 / 96 h / Danio rerio (zebra fish): 1.55 mg/l

- Aluminum oxide
  LC50 / 96 h / Pimephales promelas (fathead minnow)
  Aquatic toxicity is unlikely due to low solubility. Information given is based on data obtained from similar substances.

Toxicity to aquatic plants

- Zinc oxide
  ErC50 / 72 h / Pseudokirchneriella subcapitata (green algae): 0.136 mg/l
  Method: OECD Test Guideline 201

  NOEC / 72 h / Pseudokirchneriella subcapitata (green algae): 0.024 mg/l
  Method: OECD Test Guideline 201

- Aluminum oxide
  EC50 / 72 h / Pseudokirchneriella subcapitata (green algae)
  Method: OECD Test Guideline 201
  Aquatic toxicity is unlikely due to low solubility. Information given is based on data obtained from similar substances.

  NOEC / 72 h / Pseudokirchneriella subcapitata (green algae)
  Method: OECD Test Guideline 201
  Aquatic toxicity is unlikely due to low solubility.

Toxicity to aquatic invertebrates

Immobilization / EC50 / 48 h / Ceriodaphnia dubia (water flea): > 100 mg/l
Information given is based on tests on the mixture itself.

- Zinc oxide
  EC50 / 48 h / Daphnia magna (Water flea): 0.481 mg/l
  Method: OECD Test Guideline 202

- Aluminum oxide
  LC50 / 48 h / Ceriodaphnia dubia (water flea)
  Aquatic toxicity is unlikely due to low solubility. Information given is based on data obtained from similar substances.

Chronic toxicity to fish

- Zinc oxide
  NOEC / 32 d / Danio rerio (zebra fish): > 0.54 mg/l
  Method: OECD Test Guideline 210

Chronic toxicity to aquatic Invertebrates

Static renewal test / NOEC / 6 d / Ceriodaphnia dubia (water flea): 100 mg/l
Information given is based on tests on the mixture itself.

- Zinc oxide
  NOEC / 21 d / Daphnia magna (Water flea): 0.058 mg/l

12.2. Persistence and degradability

Biodegradability

- Zinc oxide
  The methods for determining biodegradability are not applicable to inorganic substances.

12.3. Bioaccumulative potential

Bioaccumulation

- Aluminum oxide
  The substance has the potential to bioaccumulate. Information given is based on data obtained from similar substances.

12.4. Mobility in soil

no data available

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6. Other adverse effects

no data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product : Dispose of in accordance with local regulations. This material and its container must be disposed of in a safe way. Dispose of contents/container to an approved waste disposal plant in accordance with local, regional and national legislations. The Waste code should be assigned in discussion between the

user, the producer and the waste disposal company.

Contaminated packaging : Since empty containers retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: Transport information

ADR

14.1.	UN number:	Not applicable
14.2.	UN proper shipping name:	Not applicable
14.3.	Transport hazard class(es):	Not applicable
14.4.	Packing group:	Not applicable
14.5.	Environmental hazards:	none

14.6. Special precautions for user:
Not classified as dangerous in the meaning of transport regulations.

IATA_C

14.1.	UN number:	Not applicable
14.2.	UN proper shipping name:	Not applicable
14.3.	Transport hazard class(es):	Not applicable
14.4.	Packing group:	Not applicable
14.5.	Environmental hazards:	none

14.6. Special precautions for user:
Not classified as dangerous in the meaning of transport regulations.

IMDG

14.1.	UN number:	Not applicable
14.2.	UN proper shipping name:	Not applicable
14.3.	Transport hazard class(es):	Not applicable
14.4.	Packing group:	Not applicable
14.5.	Environmental hazards:	none

14.6. Special precautions for user:
Not classified as dangerous in the meaning of transport regulations.

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

SECTION 15: Regulatory information

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

GB Export and import of hazardous chemicals - Prior Informed Consent (PIC) Regulation

Not applicable

Major Accident Hazard Legislation

Control of Major Accident Hazards Regulations 2015 (COMAH)

Not applicable

15.2. Chemical safety assessment

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

SECTION 16: Other information

Full text of H-Statements referred to under section 3.

H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Abbreviations and acronyms

GB-CLP	REGULATION (EC) No 1272/2008 as amended by GB-CLP Regulation, UK SI 2019/720, UK SI 2020/1567, and subsequent amendments
UK-REACH	REACH Regulation (EC) No 1907/2006, as amended by UK REACH, UK SI 2019/758 and subsequent amendments
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute toxicity estimate
CAS-No.	Chemical Abstracts Service number
EbC50	Concentration at which 50% reduction of biomass is observed
EC50	Median effective concentration
EN	European Norm
EPA	Environmental Protection Agency
ErC50	Concentration at which a 50% inhibition of growth rate is observed
EyC50	Concentration at which 50 % inhibition of yield is observed
IATA_C	International Air Transport Association (Cargo)
IBC	International Bulk Chemical Code
ICAO	International Civil Aviation Organization
ISO	International Standard Organization
IMDG	International Maritime Dangerous Goods
LC50	Median Lethal Concentration
LD50	Median Lethal Dose
LOEC	Lowest Observed Effect Concentration
LOEL	Lowest observed effect level
MARPOL	International Convention for the Prevention of Marine Pollution from Ships
n.o.s.	Not Otherwise Specified
NOAEC	No Observed Adverse Effect Concentration
NOAEL	No observed adverse effect level
NOEC	No Observed Effect Concentration
NOEL	No Observed Effect Level
OECD	Organisation for Economic Co-operation and Development
OPPTS	Office of Prevention, Pesticides and Toxic Substances
PBT	Persistent, Bioaccumulative and Toxic
STEL	Short term exposure limit
TWA	Time Weighted Average (TWA):
vPvB	very Persistent and very Bioaccumulative

Sources of key data used to compile the Safety Data Sheet
Key literature references and sources for data may include: regulations, databases, literature, own research, practical experience.
The health and environmental classification of the mixture is derived using the calculation methods and the classifications of the relevant ingredients unless product level data has been provided in Section 11 or 12, indicating that the classification for those end points were derived on the basis of test data or bridging principles.

Note: The classification of substances listed in the Great Britain Mandatory Classification List are derived from assessment of the best knowledge and information available at the time of its publication or subsequent amendments. The information on components provided in sections 11 and 12 of this safety data sheet may in some cases not align with a legally binding classification on the basis of technical progress and availability of new information.

Significant change from previous version is denoted with a double bar.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.