



Safety Data Sheet version 2.3 dated 2/11/2021

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

1.1. Product identifier

Trade name:

K-BOMBER 55

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

Fertiliser in powder. Agricultural use.

1.3. Details of the supplier of the safety data sheet

Company:

Biolchim S.p.A. - Via San Carlo 2130 - 40059 Medicina (BO) - Italy

Biolchim spa - tel 051 6971811

AU Supplier:

Biolchim Australia Pty Ltd – PO Box 2045, Hampton 3188, Victoria (Australia)

Phone +61 0421698590

Competent person responsible for the safety data sheet:

biolchim@biolchim.it


1.4. Emergency telephone number


Poisons Information Centre: 131126 (24/7)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)

 Warning, Skin Irrit. 2, Causes skin irritation.

 Warning, Eye Irrit. 2, Causes serious eye irritation.

 Warning, STOT SE 3, May cause respiratory irritation.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:



Warning

Hazard statements:

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read carefully and follow all instructions.

P271 Use only outdoors or in a well-ventilated area.

P405 Store locked up.

P501 Dispose of contents in accordance with local regulation.

Special Provisions:

None
 Contains
 potassium carbonate
 Special provisions according to Annex XVII of REACH and subsequent amendments:
 None

2.3. Other hazards
 No PBT, vPvB or endocrine disruptor substances present in concentration $\geq 0.1\%$
 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:

Qty	Name	Ident. Number	Classification
$\geq 70\%$ - $< 80\%$	potassium carbonate	CAS: 584-08-7 EC: 209-529-3 REACH No.: 01-2119532646-36	 3.2/2 Skin Irrit. 2 H315  3.3/2 Eye Irrit. 2 H319  3.8/3 STOT SE 3 H335
$\geq 15\%$ - $< 20\%$	Citric acid	CAS: 77-92-9 EC: 201-069-1 REACH No.: 01-2119457026-42	 3.3/2 Eye Irrit. 2 H319
$\geq 10\%$ - $< 12.5\%$	Tetrapotassium pyrophosphate	CAS: 7320-34-5 EC: 230-785-7 REACH No.: 01-2119489369-18	 3.3/2 Eye Irrit. 2 H319

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.

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 thoroughly the body (shower or bath).

Remove contaminated clothing immediately and dispose off safely.

After contact with skin, wash immediately with soap and plenty of water for at least 30 min.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for at least 30 min., then consult an ophthalmologist immediately. If possible, remove any contact lenses.

Protect uninjured eye.

In case of Ingestion:

Do not induce vomiting.

Seek immediate medical attention.

Do not give anything that is not expressly authorized by your doctor.

In case of Inhalation:

In case of inhalation, consult a doctor immediately and show him packing or label.

First aid self-protection:

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Adopt adequate precautions for the rescuer in accordance with the contents of the first aid kit (Ministerial Decree No. 388/2003)

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

There are no known specific episodes on symptoms caused by the product.

For possible effects due to product exposure, please refer to the hazard warnings in section 2.

For information on the substances contained, see sections 3 and 11.

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

In the event of an accident or discomfort, immediately consult a POISON CENTER / doctor (if possible, show the instructions for use or the safety data sheet).

Treatment:

No specific treatments related to the product are known. Contact specialized medical personnel.

For information on the substances contained, see sections 3 and 11.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Carbon dioxide, foam, powder and water.

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

Cool the containers with jets of water.

Always wear full fire protection equipment.

Collect the extinguishing water which must not be fed into the sewers.

Dispose of the contaminated water used for extinguishing and the residue of the fire according to current regulations.

EQUIPMENT:

Normal clothing for firefighting, such as an open circuit compressed air breathing apparatus (EN 137), flame retardant suit (EN 469), flame retardant gloves (EN 659) and fire brigade boots (HO A29 or A30).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Provide adequate ventilation.

Use appropriate respiratory protection.

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

For containment:

Collect the product for re-use, if possible, or for disposal.

For recovery or disposal, vacuum or clean and place in appropriate labeled containers.

For cleaning up:

Provide sufficient ventilation of the place affected by the leak. Disposal of contaminated material must be carried out in accordance with the provisions of section 13.



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- Clear spills immediately
- 6.4. Reference to other sections
Any information regarding personal protection and disposal is given in sections 8 and 13.

SECTION 7: Handling and storage

- 7.1. Precautions for safe handling
Handle the product after consulting all the other sections of this safety data sheet.
Avoid the dispersion of the product in the environment outside the indicated uses.
Avoid contact with skin and eyes, inhalation of vapors and mists.
See also section 8 for recommended protective equipment.
Do not use empty containers before they have been cleaned.
Before transferring operations, make sure that there are no incompatible residual materials in the containers.
Advice on general occupational hygiene:
Do not eat, drink or smoke when using this product.
Wash hands after use
Contaminated clothing should be changed before entering eating areas.
- 7.2. Conditions for safe storage, including any incompatibilities
Keep the product in clearly labeled containers.
Store with care and attention, avoiding precarious storage.
Keep the containers closed in a well-ventilated place.
Store the containers in a dry place away from sunlight or other atmospheric agents.
Keep away from food, drink and feed.
Incompatible materials:
See the following paragraph 10.
Instructions as regards storage premises:
Cool and adequately ventilated.
- 7.3. Specific end use(s)
Refer to section 1.2

SECTION 8: Exposure controls/personal protection

- 8.1. Control parameters
potassium carbonate - CAS: 584-08-7
National - TWA: 2 mg/m³ - Notes: Latvia
TLV TWA - 10 mg/m³
Citric acid - CAS: 77-92-9
DFG - TWA: 2 mg/m³ - STEL(15 min): 4 mg/m³ - Notes: inhalable fraction and vapour
- DNEL Exposure Limit Values
potassium carbonate - CAS: 584-08-7
Worker Industry: 10 mg/m³ - Worker Professional: 10 mg/m³ - Consumer: 10 mg/m³ -
Exposure: Human Inhalation - Frequency: Long Term, local effects
Worker Industry: 16 mg/cm² - Worker Professional: 16 mg/cm² - Consumer: 8 mg/cm² -
- Exposure: Human Dermal - Frequency: Long Term, local effects
Tetrapotassium pyrophosphate - CAS: 7320-34-5
Worker Industry: 17.63 mg/m³ - Worker Professional: 17.63 mg/m³ - Consumer: 4.35
mg/m³ - Exposure: Human Inhalation - Frequency: Long Term, systemic effects
- PNEC Exposure Limit Values
Citric acid - CAS: 77-92-9
Target: Fresh Water - Value: 0.44 mg/l
Target: Marine water - Value: 0.044 mg/l
Target: STP - Value: 1000 mg/l
Target: Freshwater sediments - Value: 34.6 mg/kg sediment dw
Target: Marine water sediments - Value: 3.46 mg/kg sediment dw
Target: Soil - Value: 33.1 mg/kg soil dw
- 8.2. Exposure controls

Eye protection:

Eye glasses with side protection.
(see standard EN 166)

Protection for skin:

Disposable suit.
(see standard EN 13034)
Safety shoes.
(see standard UNI EN ISO 20345)

Protection for hands:

Suitable gloves type:
One-time gloves.
Suitable material:
NBR (nitrile rubber).
(see standard EN 374)
Wash hands before eating, drinking or smoking.

Respiratory protection:

Half mask (EN 405: 2001).
Half-face mask with filter "A" "B" "E" "K" "P" - P3 (EN 14387; EN 143)
Avoid inhaling the product.
Provide adequate ventilation. Good local ventilation and a good general air exchange system must be ensured.

Thermal Hazards:

None

Environmental exposure controls:

Use according to good working practices, avoiding to disperse the product in the environment.
Do not discharge the product into the sewers.

Appropriate engineering controls:

Ensure adequate ventilation, especially in confined areas.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes
Physical state (20°C-101,3kPa):	Solid	--	--
Colour:	White	--	--
Odour:	Not Relevant	--	Not relevant for product classification purposes.
Melting point/freezing point:	Not Relevant	--	Melting point higher than the temperature range of use of the product.
Boiling point or initial boiling point and boiling range:	Not Relevant	--	Boiling point higher than the temperature range of use of the product.
Flammability:	Non-flammable	--	--
Lower and upper explosion limit:	N.A.	--	Not flammable.
Flash point:	N.A.	--	NOT FLAMMABLE: mixture consisting of inorganic components (Annex VII REACH) and / or non-flammable organic components.
Auto-ignition temperature:	N.A.	--	Not flammable.

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Decomposition temperature:	Not Relevant	--	Decomposition temperature higher than the temperature range of use of the product.
pH (20°C):	10.2 (sol. 1% w/w)	--	--
Kinematic viscosity:	N.A.	--	solid
Solubility in water:	Soluble	--	--
Solubility in oil:	Not Relevant	--	Not relevant for classification and use of the product.
Partition coefficient n-octanol/water (log value):	N.A.	--	See paragraph 12 for values referring to individual substances.
Vapour pressure:	N.A.	--	Solid
Density and/or relative density (20°C):	Not Relevant	--	--
Relative vapour density:	N.A.	--	Solid
Particle characteristics:			
Particle size:	N.A.	--	--

9.2. Other information

Properties	Value	Method:	Notes
Conductivity (25°C):	11.6 mS/cm (sol. 1% w/w)	--	--

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions

Substances Information:

N.A.

10.2. Chemical stability

Stable under normal conditions

Substances Information:

N.A.

10.3. Possibility of hazardous reactions

None

Substances Information:

Tetrapotassium pyrophosphate - CAS: 7320-34-5

The substance reacts violently with:

Oxidizing agents

Strong acids.

10.4. Conditions to avoid

Stable under normal conditions.

Substances Information:

Citric acid - CAS: 77-92-9

Avoid the generation of dust when handling the product and avoid any possible source of ignition (spark or flame).

Avoid the accumulation of electrostatic charges.

To avoid fire and explosion, dissipate static electricity during transfer by grounding and grounding containers and equipment before transferring material.

10.5. Incompatible materials

None in particular.

Substances Information:

potassium carbonate - CAS: 584-08-7

acids

Citric acid - CAS: 77-92-9

- Oxidizing or reducing agents
- Acids and alkalis
- Tetrapotassium pyrophosphate - CAS: 7320-34-5
- Strong acids
- 10.6. Hazardous decomposition products
- According to the data in our possession, no one in particular to report.
- Substances Information:
- potassium carbonate - CAS: 584-08-7
- Possible formation of carbon oxides.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008
Toxicological information of the product:

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a) acute toxicity

Not classified

Based on available data, the classification criteria are not met

b) skin corrosion/irritation

The product is classified: Skin Irrit. 2 H315

c) serious eye damage/irritation

The product is classified: Eye Irrit. 2 H319

d) respiratory or skin sensitisation

Not classified

Based on available data, the classification criteria are not met

e) germ cell mutagenicity

Not classified

Based on available data, the classification criteria are not met

f) carcinogenicity

Not classified

Based on available data, the classification criteria are not met

g) reproductive toxicity

Not classified

Based on available data, the classification criteria are not met

h) STOT-single exposure

The product is classified: STOT SE 3 H335

i) STOT-repeated exposure

Not classified

Based on available data, the classification criteria are not met

j) aspiration hazard

Not classified

Based on available data, the classification criteria are not met

Toxicological information of the main substances found in the product:

potassium carbonate - CAS: 584-08-7

a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat > 4.96 mg/l - Duration: 4h

Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg

Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg

b) skin corrosion/irritation:

Test: Skin Irritant - Route: Skin - Species: Rabbit Negative - Notes: OECD 404

c) serious eye damage/irritation:

Test: Eye Irritant - Species: Rabbit Positive - Notes: OECD 405

i) STOT-repeated exposure:

Test: NOAEL - Route: Oral - Species: Rat (Male) = 2667 mg/kg - Duration: 130 weeks

Test: NOAEL - Route: Oral - Species: Rat (Female) = 3331 mg/kg - Duration: 130 weeks

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Test: NOAEL - Route: Oral - Species: Rat (Male) = 4326 mg/kg - Duration: 13 weeks
 Test: NOAEL - Route: Oral - Species: Rat (Female) = 4879 mg/kg - Duration: 13 weeks
 Test: NOAEL - Route: Oral - Species: Rat (Female) = 6137 mg/kg - Duration: 28 days

Citric acid - CAS: 77-92-9

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Mouse 5400 mg/kg - Source: OECD 401 (Roche 1981)

Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg - Source: OECD 401 (Safepharm, 1996; rel 1)

Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg bw - Source: OECD 402

b) skin corrosion/irritation:

Test: Skin Irritant - Species: Rabbit Negative - Duration: 72h - Source: OECD 404 (Haarmaan & Reimer, 1990)

c) serious eye damage/irritation:

Test: Eye Irritant - Species: Rabbit Positive - Duration: 72h - Source: OECD 405
 Fortemente irritante agli occhi (Roche, 1984)

e) germ cell mutagenicity:

Test: Genotoxicity - Species: Generic Bacteria Negative - Source: OECD 471 OECD 487

f) carcinogenicity:

Test: Carcinogenicity - Route: Oral - Species: Rat Negative

i) STOT-repeated exposure:

Test: NOAEL - Route: Oral - Species: Rat 4000 mg/kg bw/day - Duration: 10D

Tetrapotassium pyrophosphate - CAS: 7320-34-5

a) acute toxicity:

Test: LC50 - Route: Inhalation - Species: Rat > 1.1 mg/l - Notes: OECD 403, EU method B.2

Test: LD50 - Route: Oral - Species: Rat > 2000 mg/kg bw

Test: LD50 - Route: Skin - Species: Rabbit > 2000 mg/kg bw - Notes: OECD 402

b) skin corrosion/irritation:

Species: Rabbit Negative - Notes: OECD 404

c) serious eye damage/irritation:

Species: Rabbit Positive - Notes: OECD 405

d) respiratory or skin sensitisation:

Species: Rat Negative - Notes: OECD 429

i) STOT-repeated exposure:

Test: NOAEL - Route: Oral - Species: Rat 500 mg/kg bw/day - Notes: OECD 408

11.2. Information on other hazards

Endocrine disrupting properties:

No endocrine disruptor substances present in concentration $\geq 0.1\%$

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

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Not classified for environmental hazards

Based on available data, the classification criteria are not met

potassium carbonate - CAS: 584-08-7

a) Aquatic acute toxicity:

Endpoint: EC50 - Species: Daphnia = 200 mg/l - Duration h: 48 - Notes: Daphnia pulex

Endpoint: LC50 - Species: Fish = 68 mg/l - Duration h: 96 - Notes: Oncorhynchus mykiss

b) Aquatic chronic toxicity:

Endpoint: NOEC - Species: Fish = 33 mg/l - Duration h: 96 - Notes: Oncorhynchus mykiss

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- Endpoint: NOEC - Species: Daphnia = 120 mg/l - Duration h: 48 - Notes: Daphnia pulex
- Citric acid - CAS: 77-92-9
- a) Aquatic acute toxicity:
- Endpoint: EC50 - Species: Daphnia 1535 mg/l - Duration h: 24
- Endpoint: LC50 - Species: Fish 440 mg/l - Duration h: 96 - Notes: Leuciscus idus
- Tetrapotassium pyrophosphate - CAS: 7320-34-5
- a) Aquatic acute toxicity:
- Endpoint: LC50 - Species: Fish \geq 100 mg/l - Duration h: 96 h - Notes: Oncorhynchus Mykiss, OECD 203
- Endpoint: EC50 - Species: Daphnia 100 mg/l - Duration h: 48 h - Notes: Daphnia magna, EPA OTS 797.1300
- Endpoint: EC50 - Species: Active mud \geq 1000 mg/l - Duration h: 3 h - Notes: FANGO ATTIVO, OECD 209
- Endpoint: EC50 - Species: Algae $>$ 100 mg/l - Duration h: 72 h - Notes: Desmodesmus subspicatus, OECD 201, E-U method C.3
- b) Aquatic chronic toxicity:
- Endpoint: NOEC - Species: Fish 100 mg/l - Duration h: 96 h - Notes: Oncorhynchus Mykiss, OECD 203
- Endpoint: NOEC - Species: Shellfish \geq 100 mg/l - Duration h: 48 h - Notes: Daphnia magna, OECD 202
- Endpoint: NOEC - Species: Algae \geq 100 mg/l - Duration h: 72 h - Notes: OECD 201
- Endpoint: NOEC - Species: Active mud 1000 mg/l - Duration h: 3 h - Notes: FANGO ATTIVO, OECD 209
- 12.2. Persistence and degradability
- None
- Citric acid - CAS: 77-92-9
- Biodegradability: Easily biodegradable - Duration h: 48h - Notes: 98% - dose 600mg/L
- 12.3. Bioaccumulative potential
- Citric acid - CAS: 77-92-9
- Bioaccumulation: Not bioaccumulative - Test: BCF - Bioconcentration factor 0.01 - Notes: bassa
- Bioaccumulation: Not bioaccumulative - Test: Log Pow -1.72 - Notes: bassa
- Tetrapotassium pyrophosphate - CAS: 7320-34-5
- Bioaccumulation: Not bioaccumulative
- 12.4. Mobility in soil
- N.A.
- 12.5. Results of PBT and vPvB assessment
- vPvB Substances: None - PBT Substances: None
- 12.6. Endocrine disrupting properties
- No endocrine disruptor substances present in concentration \geq 0.1%
- 12.7. Other adverse effects
- None

SECTION 13: Disposal considerations

- 13.1. Waste treatment methods
- Do not dispose of the unused product and the container in the environment.
- The dangerousness of the waste that partially contains this product must be evaluated according to the laws in force.
- Disposal must be entrusted to an authorized waste management company, in compliance with national and possibly local regulations.
- CONTAMINATED PACKAGING:**
- Contaminated packaging must be sent for recovery or disposal in compliance with national waste management regulations.

SECTION 14: Transport information

- 14.1. UN number or ID number
Not classified as dangerous in the meaning of transport regulations.
- 14.2. UN proper shipping name
N.A.
- 14.3. Transport hazard class(es)
N.A.
- 14.4. Packing group
N.A.
- 14.5. Environmental hazards
N.A.
- 14.6. Special precautions for user
N.A.
- 14.7. Maritime transport in bulk according to IMO instruments
N.A.

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. 2020/878
 - 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)
 - International Regulations of the transport of dangerous goods (ADR, RID, IMDG, ICAO/IATA).
 - 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)
 - Regulation (EU) n. 2018/669 (ATP 11 CLP)
 - Regulation (EU) n. 2018/1480 (ATP 13 CLP)
 - Regulation (EU) n. 2019/521 (ATP 12 CLP)
 - Regulation (EU) n. 2020/217 (ATP 14 CLP)
 - Regulation (EU) n. 2020/1182 (ATP 15 CLP)
 - Regulation (EU) n. 2021/643 (ATP 16 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:
 - No restriction.
 - Restrictions related to the substances contained:
 - No restriction.
- 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)
 - Regulation (EU) 2019/1148
- 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

Full text of phrases referred to in Section 3:

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

Hazard class and hazard category	Code	Description
Skin Irrit. 2	3.2/2	Skin irritation, Category 2
Eye Irrit. 2	3.3/2	Eye irritation, Category 2
STOT SE 3	3.8/3	Specific target organ toxicity - single exposure, Category 3

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
Skin Irrit. 2, H315	Calculation method
Eye Irrit. 2, H319	Calculation method
STOT SE 3, H335	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.
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.



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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.