

PKT SORB-IT® ½G G2-753 16X33 6K/PP

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Substance key: SC0000901386

Revision Date: 05/02/2017

Version : 3 - 2 / USA

Date of printing :07/11/2017

## SECTION 1. IDENTIFICATION

**Identification of the company:**

Clariant Corporation  
4000 Monroe Road  
Charlotte, NC, 28205  
Telephone No.: +1 704 331 7000

**Information of the substance/preparation:**

Product Stewardship +1-704-331-7710

Emergency tel. number: +1 800-424-9300 CHEMTREC

**Trade name:**

PKT SORB-IT® ½G G2-753 16X33 6K/PP

**Material number:**

272948

**CAS number:**

7631-86-9

**Chemical family:**

approx. 94 - 96 % silica, approx. 4 - 6 % water of constitution and  
approx. 0,3 % water-soluble components

**Primary product use:**

Adsorbing medium for technical applications

## SECTION 2. HAZARDS IDENTIFICATION

**GHS classification in accordance with 29 CFR 1910.1200**

Eye irritation : Category 2A

Specific target organ toxicity : Category 3 (Respiratory system)  
- single exposure

Specific target organ toxicity : Category 2 (Lungs)  
- repeated exposure

**GHS label elements**

Hazard pictograms :



Signal word :

Warning

Hazard statements :

H319 Causes serious eye irritation.  
H335 May cause respiratory irritation.  
H373 May cause damage to organs (Lungs) through prolonged  
or repeated exposure.

Precautionary statements :

**Prevention:**

P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.  
P264 Wash skin thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.

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P280 Wear eye protection/ face protection.

**Response:**

P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P314 Get medical advice/ attention if you feel unwell.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

**Storage:**

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

P405 Store locked up.

**Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

**Other hazards**

None known.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture	:	Substance
Chemical nature	:	approx. 94 - 96 % silica, approx. 4 - 6 % water of constitution and approx. 0,3 % water-soluble components
CAS-No.	:	7631-86-9

**Hazardous components**

Chemical name	CAS-No.	Concentration (% w/w)
Amorphous silicon dioxide	7631-86-9	>= 90 - <= 100

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**SECTION 4. FIRST AID MEASURES**

General advice	:	none
If inhaled	:	Remove to fresh air. Call a physician if irritation develops or persists. Call a physician if symptoms occur.
In case of skin contact	:	Before washing use a dry brush to remove dust from skin. Wash area with mild soap and copious amounts of water. If skin irritation occurs: Get medical advice/ attention.
In case of eye contact	:	Do not rub affected area.

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- Rinse immediately with plenty of lukewarm water, also under the eyelids, for at least 15 minutes.  
Get medical attention.
- If swallowed : Route of exposure unlikely.  
IF SWALLOWED: Immediately call a POISON CENTER/doctor.
- Most important symptoms and effects, both acute and delayed : The possible symptoms known are those derived from the labelling (see section 2).  
No additional symptoms are known.
- Notes to physician : Treat symptomatically.

**SECTION 5. FIREFIGHTING MEASURES**

- Suitable extinguishing media : The product itself does not burn.  
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing media : No information available.
- Specific hazards during firefighting : None known.
- Further information : Wear full protective clothing and NIOSH/MSHA-approved positive pressure, self-contained breathing apparatus.
- Special protective equipment for firefighters : No special precautions required.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions, protective equipment and emergency procedures : Do not breathe dust.  
Wearing appropriate personal protective equipment, contain spill and collect into a suitable container.  
No special precautions required.
- Environmental precautions : No special environmental precautions required.
- Methods and materials for containment and cleaning up : Take up uncontaminated material and pass on for further processing.  
Take up contaminated material by mechanical means, load into clean containers, and dispose of in accordance with legal regulations.

**SECTION 7. HANDLING AND STORAGE**

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- Advice on protection against fire and explosion : No special precautions required.
- Advice on safe handling : Minimize dust generation and accumulation.  
Avoid breathing dust.  
Use only in well-ventilated areas.  
Avoid contact with eyes.  
Avoid prolonged or repeated contact with skin.  
Wash thoroughly after handling.  
CAUTION: Dry powders in powder or bead form may build up static electricity when being poured.
- Conditions for safe storage : Keep container tightly closed and dry.
- Technical measures/Precautions : Keep container dry.
- Materials to avoid : No materials to be especially mentioned.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

## Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Amorphous silicon dioxide	7631-86-9	TWA (Dust)	20 Million particles per cubic foot (Silica)	OSHA Z-3
		TWA (Dust)	80 mg/m <sup>3</sup> / %SiO <sub>2</sub> (Silica)	OSHA Z-3

- Engineering measures** : Use adequate exhaust ventilation and/or dust collection to keep dust levels below exposure limits.

**Personal protective equipment**

- Respiratory protection** : Wear NIOSH approved particulate filtering respirator rated N, R, or P95 or 100 or equivalent in the absence of proper environmental control. Type of respirator depends on level of exposure.

- Hand protection**  
Remarks : Chemical resistant gloves

- Eye protection** : Follow facility guidelines in the absence of dusts.  
Tightly fitting safety goggles

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- Skin and body protection : Wear protective clothing, including long sleeves and gloves, to prevent skin contact.  
Thoroughly wash clothing before reuse.
- Hygiene measures : Wash off with warm water and soap.

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

- Appearance : granular
- Colour : white
- Odour : none
- Odour Threshold : Not relevant
- pH : 3 - 5 (20 °C)  
Method: aqueous suspension
- Melting point : not determined
- Boiling point : Not applicable
- Flash point : Not applicable
- Evaporation rate : Not applicable
- Flammability (solid, gas) : not determined
- Self-ignition : not tested.
- Burning number : not determined
- Upper explosion limit : not tested.
- Lower explosion limit : not tested.
- Vapour pressure : Not applicable
- Relative vapour density : Not applicable
- Relative density : not tested.
- Density : not tested.
- Bulk density : 680 - 780 kg/m3
- Solubility(ies)
- Water solubility : insoluble
- Solubility in other solvents : not tested.

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Partition coefficient: n-octanol/water	:	not determined
Auto-ignition temperature	:	Not applicable
Decomposition temperature	:	no data available
Viscosity		
Viscosity, dynamic	:	Not applicable
Viscosity, kinematic	:	Not applicable
Flow time	:	Not applicable
Explosive properties	:	no data available
Oxidizing properties	:	not tested.
Sublimation point	:	not determined
Minimum ignition energy	:	not tested.
Particle size	:	not tested.

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**SECTION 10. STABILITY AND REACTIVITY**

Reactivity	:	Stable
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	:	None known.
Conditions to avoid	:	Exposure to moisture (hygroscopic).
Incompatible materials	:	Water
Hazardous decomposition products	:	No decomposition if stored and applied as directed.

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**SECTION 11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure**

Eye contact

**Acute toxicity****Product:**

Acute oral toxicity	:	LD50 (Rat, male and female): > 5,000 mg/kg Method: OECD Test Guideline 401 GLP: yes
Acute inhalation toxicity	:	LC50 (Rat, male and female): > 2.08 mg/l

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Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403  
GLP: yes

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg  
Method: Other  
GLP: no

**Components:****Amorphous silicon dioxide:**

Acute oral toxicity : LD50 (Rat, male and female): > 5,000 mg/kg  
Method: OECD Test Guideline 401  
GLP: yes

Acute inhalation toxicity : LC50 (Rat, male and female): > 2.08 mg/l  
Exposure time: 4 h  
Test atmosphere: dust/mist  
Method: OECD Test Guideline 403  
GLP: yes

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg  
Method: Other  
GLP: no

**Skin corrosion/irritation****Product:**

Species: Rabbit  
Exposure time: 4 h  
Method: OECD Test Guideline 404  
Result: No skin irritation  
GLP: yes

**Components:****Amorphous silicon dioxide:**

Species: Rabbit  
Exposure time: 4 h  
Method: OECD Test Guideline 404  
Result: No skin irritation  
GLP: yes

**Serious eye damage/eye irritation****Product:**

Species: rabbit eye  
Result: No eye irritation  
Exposure time: 24 h  
Method: OECD Test Guideline 405  
GLP: yes

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**Components:****Amorphous silicon dioxide:**

Species: rabbit eye  
Result: No eye irritation  
Exposure time: 24 h  
Method: OECD Test Guideline 405  
GLP: yes

**Respiratory or skin sensitisation****Product:**

Remarks: Not relevant

**Components:****Amorphous silicon dioxide:**

Remarks: Not relevant

**Germ cell mutagenicity****Product:**

- Genotoxicity in vitro : Test Type: Chromosome aberration test in vitro  
Species: Chinese hamster ovary cells  
Concentration: 38 - 1000 µg/ml  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 473  
Result: negative  
GLP: yes
- : Test Type: In vitro gene mutation study in mammalian cells  
Species: Chinese hamster ovary cells  
Concentration: 10 - 500 µg/ml  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 476  
Result: negative  
GLP: yes
- : Test Type: Ames test  
Species: Salmonella typhimurium  
Concentration: 667 - 10000 µg/plate  
Metabolic activation: with and without metabolic activation  
Method: OECD Test Guideline 471  
Result: negative  
GLP: yes
- Genotoxicity in vivo : Test Type: HGPRT assay  
Species: Rat (male)  
Strain: Fischer F344  
Application Route: Inhalation  
Exposure time: 13 w, 6 h/d, 5 d/wk



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Dose: ca. 50 mg/m<sup>3</sup>  
 Method: Other  
 Result: negative  
 GLP: No information available.

Germ cell mutagenicity - Assessment : It is concluded that the product is not mutagenic based on evaluation of several mutagenicity tests.

**Components:****Amorphous silicon dioxide:**

Genotoxicity in vitro : Test Type: Chromosome aberration test in vitro  
 Species: Chinese hamster ovary cells  
 Concentration: 38 - 1000 µg/ml  
 Metabolic activation: with and without metabolic activation  
 Method: OECD Test Guideline 473  
 Result: negative  
 GLP: yes

: Test Type: In vitro gene mutation study in mammalian cells  
 Species: Chinese hamster ovary cells  
 Concentration: 10 - 500 µg/ml  
 Metabolic activation: with and without metabolic activation  
 Method: OECD Test Guideline 476  
 Result: negative  
 GLP: yes

: Test Type: Ames test  
 Species: Salmonella typhimurium  
 Concentration: 667 - 10000 µg/plate  
 Metabolic activation: with and without metabolic activation  
 Method: OECD Test Guideline 471  
 Result: negative  
 GLP: yes

Genotoxicity in vivo : Test Type: HGPRT assay  
 Species: Rat (male)  
 Strain: Fischer F344  
 Application Route: Inhalation  
 Exposure time: 13 w, 6 h/d, 5 d/wk  
 Dose: ca. 50 mg/m<sup>3</sup>  
 Method: Other  
 Result: negative  
 GLP: No information available.

Germ cell mutagenicity - Assessment : It is concluded that the product is not mutagenic based on evaluation of several mutagenicity tests.

**Carcinogenicity****Product:**

Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

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**Components:****Amorphous silicon dioxide:**

Carcinogenicity - Assessment : Not classifiable as a human carcinogen.

IARC Not listed

OSHA Not listed

NTP Not listed

**Reproductive toxicity****Product:**Effects on fertility : Species: Rat, male and female  
Strain: Sprague-Dawley  
Application Route: oral (feed)  
Dose: 497 (m), 509 (f) mg/kg  
General Toxicity - Parent: NOAEL: 497 mg/kg body weight  
General Toxicity F1: NOAEL: 497 mg/kg body weight  
Method: OECD Test Guideline 415  
GLP: noEffects on foetal development : Species: Rat  
Strain: wistar  
Application Route: oral (gavage)  
Dose: 13,5 - 62,7 - 292 - 1350mg/kg  
General Toxicity Maternal: NOAEL: 1,350 mg/kg body weight  
Teratogenicity: NOAEL: 1,350 mg/kg body weight  
Method: OECD Test Guideline 414  
GLP: noReproductive toxicity - Assessment : No reproductive toxicity to be expected.  
No teratogenic effects to be expected.**Components:****Amorphous silicon dioxide:**Effects on fertility : Test Type: One generation study  
Species: Rat, male and female  
Strain: Sprague-Dawley  
Application Route: oral (feed)  
Dose: 497 (m), 509 (f) mg/kg  
General Toxicity - Parent: NOAEL: 497 mg/kg body weight  
General Toxicity F1: NOAEL: 497 mg/kg body weight  
Method: OECD Test Guideline 415  
GLP: noEffects on foetal development : Species: Rat  
Strain: wistar  
Application Route: oral (gavage)

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Dose: 13,5 - 62,7 - 292 - 1350mg/kg  
General Toxicity Maternal: NOAEL: 1,350 mg/kg body weight  
Teratogenicity: NOAEL: 1,350 mg/kg body weight  
Method: OECD Test Guideline 414  
GLP: no

Reproductive toxicity - Assessment : No reproductive toxicity to be expected.  
No teratogenic effects to be expected.

**STOT - single exposure****Product:**

Assessment: The substance or mixture is not classified as specific target organ toxicant, single exposure.

**Components:****Amorphous silicon dioxide:**

Assessment: The substance or mixture is not classified as specific target organ toxicant, single exposure.

**STOT - repeated exposure****Product:**

Assessment: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

**Components:****Amorphous silicon dioxide:**

Assessment: The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

**Repeated dose toxicity****Product:**

Species: Rat, male and female  
NOAEL: 4,000 - 4,500 mg/kg  
Application Route: oral (feed)  
Exposure time: 13 w  
Number of exposures: continuously  
Dose: 0,5 - 2 - 6,7 % SI in diet  
Group: yes  
Method: OECD Test Guideline 408  
GLP: yes

Species: Rat, male and female  
NOAEL: 0.0013 mg/l  
LOAEL: 0.0059 mg/l  
Application Route: Inhalation  
Exposure time: 13 w  
Number of exposures: 6 hr/day; 5 days a week

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Dose: 1,3 - 5,9 - 31 mg/m<sup>3</sup>  
Group: yes  
Method: OECD Test Guideline 413  
GLP: yes

Application Route: Skin contact  
Remarks: This information is not available.

**Components:****Amorphous silicon dioxide:**

Species: Rat, male and female  
NOAEL: 4,000 - 4,500 mg/kg  
Application Route: oral (feed)  
Exposure time: 13 w  
Number of exposures: continuously  
Dose: 0,5 - 2 - 6,7 % SI in diet  
Group: yes  
Method: OECD Test Guideline 408  
GLP: yes

Species: Rat, male and female  
NOAEL: 0.0013 mg/l  
LOAEL: 0.0059 mg/l  
Application Route: Inhalation  
Exposure time: 13 w  
Number of exposures: 6 hr/day; 5 days a week  
Dose: 1,3 - 5,9 - 31 mg/m<sup>3</sup>  
Group: yes  
Method: OECD Test Guideline 413  
GLP: yes

Application Route: Skin contact  
Remarks: This information is not available.

**Aspiration toxicity****Product:**

No aspiration toxicity classification

**Components:****Amorphous silicon dioxide:**

No aspiration toxicity classification

**Experience with human exposure****Product:**

General Information : The possible symptoms known are those derived from the labelling (see section 2).

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**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity****Product:**

- Toxicity to fish : LL0 (Brachydanio rerio (zebrafish)): 10,000 mg/l  
 Exposure time: 96 h  
 Test Type: static test  
 Analytical monitoring: no  
 Method: OECD Test Guideline 203  
 GLP: yes  
 Remarks: The details of the toxic effect relate to the nominal concentration.
- Toxicity to daphnia and other aquatic invertebrates : EL50 (Daphnia magna (Water flea)): > 1,000 mg/l  
 Exposure time: 48 h  
 Test Type: static test  
 Analytical monitoring: no  
 Method: OECD Test Guideline 202  
 GLP: yes  
 Remarks: The details of the toxic effect relate to the nominal concentration.
- Toxicity to algae : EL50 (Desmodesmus subspicatus (green algae)): > 10,000 mg/l  
 End point: Growth rate  
 Exposure time: 72 h  
 Test Type: static test  
 Analytical monitoring: no  
 Method: OECD Test Guideline 201  
 GLP: yes  
 Remarks: By analogy with a product of similar composition  
 The details of the toxic effect relate to the nominal concentration.
- Toxicity to fish (Chronic toxicity) : Remarks: not required
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : Remarks: not required
- Toxicity to microorganisms : GLP:  
 Remarks: Not applicable
- Toxicity to soil dwelling organisms : Remarks: Not applicable
- Plant toxicity : Remarks: Not applicable
- Sediment toxicity : Remarks: Not applicable
- Toxicity to terrestrial : Remarks: Not applicable

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organisms

**Components:****Amorphous silicon dioxide:**

Toxicity to fish : LL0 (Brachydanio rerio (zebrafish)): 10,000 mg/l  
 Exposure time: 96 h  
 Test Type: static test  
 Analytical monitoring: no  
 Method: OECD Test Guideline 203  
 GLP: yes  
 Remarks: The details of the toxic effect relate to the nominal concentration.

Toxicity to daphnia and other aquatic invertebrates : EL50 (Daphnia magna (Water flea)): > 1,000 mg/l  
 Exposure time: 48 h  
 Test Type: static test  
 Analytical monitoring: no  
 Method: OECD Test Guideline 202  
 GLP: yes  
 Remarks: The details of the toxic effect relate to the nominal concentration.

Toxicity to algae : EL50 (Desmodesmus subspicatus (green algae)): > 10,000 mg/l  
 End point: Growth rate  
 Exposure time: 72 h  
 Test Type: static test  
 Analytical monitoring: no  
 Method: OECD Test Guideline 201  
 GLP: yes  
 Remarks: By analogy with a product of similar composition  
 The details of the toxic effect relate to the nominal concentration.

Toxicity to fish (Chronic toxicity) : Remarks: not required

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : Remarks: not required

Toxicity to microorganisms : GLP:  
 Remarks: Not applicable

Toxicity to soil dwelling organisms : Remarks: Not applicable

Plant toxicity : Remarks: Not applicable

Sediment toxicity : Remarks: Not applicable

Toxicity to terrestrial : Remarks: Not applicable

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organisms

**Persistence and degradability****Product:**

Biodegradability : Remarks: Not applicable

**Components:****Amorphous silicon dioxide:**

Biodegradability : Remarks: Not applicable

**Bioaccumulative potential****Product:**

Bioaccumulation : Remarks: Not applicable

**Components:****Amorphous silicon dioxide:**

Bioaccumulation : Remarks: Not applicable

**Mobility in soil****Product:**

Distribution among environmental compartments : Remarks: Not applicable

**Components:****Amorphous silicon dioxide:**

Distribution among environmental compartments : Remarks: Not applicable

**Other adverse effects****Product:**

Environmental fate and pathways : Remarks: not available

Additional ecological information : Do not allow to enter ground water, waterways or waste water.

**Components:****Amorphous silicon dioxide:**

Environmental fate and pathways : not available

Results of PBT and vPvB assessment : Remarks: Not relevant for inorganic substances

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Additional ecological information : Do not allow to enter ground water, waterways or waste water.

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**SECTION 13. DISPOSAL CONSIDERATIONS**
**Disposal methods**

RCRA - Resource Conservation and Recovery Act  
Waste Code : No -- Not as sold.  
: NONE

Waste from residues : This product, if discarded as sold, is not a Federal RCRA hazardous waste. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations.

Contaminated packaging : Dispose of as unused product.

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**SECTION 14. TRANSPORT INFORMATION**

DOT not restricted  
IATA not restricted  
IMDG not restricted

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**SECTION 15. REGULATORY INFORMATION**
**EPCRA - Emergency Planning and Community Right-to-Know Act****CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards** : Acute Health Hazard  
Chronic Health Hazard

**SARA 313** : This product is not subject to SARA Title III Section 313 reporting requirements under 40 CFR 372.

**Clean Water Act**

Contains no known priority pollutants at concentrations greater than 0.1%.

**The components of this product are reported in the following inventories:**

TSCA : All components of this product are listed or excluded from listing on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) Inventory.



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**SECTION 16. OTHER INFORMATION****Full text of other abbreviations**

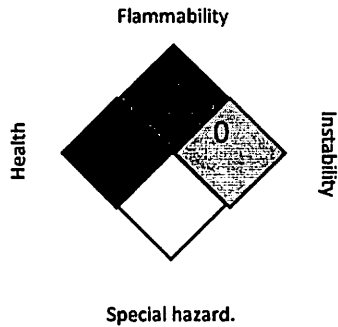
AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

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**Further information****NFPA:**

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