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Revision Number 4

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

1.1. Product identifier

Product Name Gyproc WallBoard DUPLEX

Synonyms None

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

Recommended use Internal linings in buildings

Uses advised against No specific uses advised against are identified

1.3. Details of the supplier of the safety data sheet

Supplier

Saint-Gobain Construction Products (Ireland) Limited
 Unit 4 Kilcarbery Business Park
 Nangor Road
 Dublin 22
 D22 R2Y7
 Ireland
 Tel: +353 (0)1 629 8444

For further information, please contact

E-mail address enquiries@gyproc.ie

1.4. Emergency telephone number

Emergency telephone ROI: 1800 744480
 NI: 0845 3990159
 (Monday - Friday, 9am - 5pm)

Emergency telephone - Contact number	
Europe	112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

This product is an article. Classification according to CLP is not applicable to articles.

2.2. Label elements

Additional information

As supplied, this product does not meet the requirements for labelling.

2.3. Other hazards

Other hazards	Cutting and handling may create dust. Product dust may be irritating to eyes, skin and respiratory system. Sharp edges and corners may cause cuts and abrasions.
PBT or vPvB properties	None known.
Endocrine Disruptor Information	This product does not contain any known or suspected endocrine disruptors.

SECTION 3: Composition/information on ingredients**3.1 Substances**

Not applicable

3.2 Mixtures

Calcium sulfate dihydrate encased in paper liners. Natural board constituents may include minor amounts of quartz. Small quantities of chopped glass fibre, microsilica and vermiculite may be added, with starch, foam and dispersants. Gyproc WallBoard DUPLEX is backed with a metallised polymer film.

Ingredients

The components shown below may be present in the final article and have occupational exposure limits and/or biological occupational exposure limits requiring monitoring (see Section 8)

Chemical name	Weight-%	REACH registration number	EC No. (Index No.)	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)	Notes
Calcium sulfate dihydrate 10101-41-4	50 - 100	-	-	[C]	-	-	-	-
Quartz (SiO ₂) 14808-60-7	<1	-	238-878-4	[C]	-	-	-	-
Glass fibre -	<1	-	-	[C]	-	-	-	-

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

[C] - Components with occupational exposure limits and/or biological occupational exposure limits requiring monitoring

Full text of H- and EUH-phrases: see section 16

Acute Toxicity Estimate

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATE_{mix}) for classifying a mixture based on its components

Chemical name	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapour - mg/L	Inhalation LC50 - 4 hour - gas - ppm
Calcium sulfate dihydrate 10101-41-4	> 2000	-	> 3.26	-	-

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59).

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice	Get medical attention if irritation or other symptoms occur. Take a copy of the Safety Data Sheet when going for medical treatment.
Inhalation	Not an expected route of exposure. IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. IF exposed or concerned: Get medical advice/attention.
Eye contact	Not an expected route of exposure. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.
Skin contact	Wash skin with soap and water. Get medical attention if irritation develops and persists.
Ingestion	IF SWALLOWED: Drink 1 or 2 glasses of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Get medical attention immediately if symptoms occur.

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

Symptoms	Harmful dust may be released during cutting or grinding process. Product dust may be irritating to eyes, skin and respiratory system. May cause discomfort if swallowed. Prolonged contact may cause redness and irritation.
Effects of Exposure	None known.

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

Note to doctors	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media	Dry chemical, CO ₂ , alcohol-resistant foam or water spray. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical	None known based on information supplied.
Hazardous combustion products	Harmful gases or vapours. Oxides of sulphur. Carbon monoxide. Carbon dioxide (CO ₂).

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Wear personal protective clothing (see section 8). Avoid breathing dust. Avoid contact with eyes.
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ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Wash thoroughly after handling.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions Collect spillage. Avoid release to the environment. Local authorities should be advised if significant spillages cannot be contained. See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Use personal protection recommended in Section 8. Clear up spills immediately and dispose of waste safely. Stay upwind. Collect spillage. Sweep up and shovel into suitable containers for disposal. Avoid generation of dust. Prevent product from entering drains. After cleaning, flush away traces with water. Wash thoroughly after handling. Dispose of wastes in an approved waste disposal facility.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See Section 11 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling Read carefully and follow all instructions. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. See section 8 for more information. Keep away from food, drink and animal feedingstuffs. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Minimise dust generation and accumulation. Do not breathe dust. Ensure adequate ventilation.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and after work. When using do not eat, drink or smoke. Contaminated work clothing should not be allowed out of the workplace. Take off contaminated clothing and wash it before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Store away from incompatible materials. Store in accordance with local regulations. Store in a cool, well ventilated area. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep away from combustible material. Keep in a dry place.

7.3. Specific end use(s)

Specific use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits Exposure to these ingredients as inhalable or respirable dust is minimal during normal use. Avoid generation of dust.

Chemical name	European Union			
Quartz (SiO ₂) 14808-60-7	TWA: 0.1 mg/m ³ ;			
Chemical name	Austria	Belgium	Bulgaria	Croatia
Calcium sulfate dihydrate 10101-41-4	-	TWA: 10 mg/m ³ ;	-	TWA-GVI: 4 mg/m ³ ; respirable dust TWA-GVI: 10 mg/m ³ ; total dust, inhalable particles
Quartz (SiO ₂) 14808-60-7	TWA-TMW: 0.05 mg/m ³ ; alveolar dust, respirable fraction C	TWA: 0.1 mg/m ³ ; alveolar dust TWA: 0.05 mg/m ³ ;	TWA: 0.1 mg/m ³ ; respirable fraction	TWA-GVI: 0.1 mg/m ³ ; respirable dust; respirable particle
Chemical name	Cyprus	Czech Republic	Denmark	Estonia
Quartz (SiO ₂) 14808-60-7	TWA: 0.1 mg/m ³ ; respirable dust fraction	TWA: 0.1 mg/m ³ ; dust	TWA: 0.3 mg/m ³ ; total TWA: 0.1 mg/m ³ ; respirable STEL: 0.6 mg/m ³ ; total STEL: 0.2 mg/m ³ ; respirable	TWA: 0.1 mg/m ³ ; respirable dust
Chemical name	Finland	France	Germany TRGS	Germany DFG
Calcium sulfate dihydrate 10101-41-4	-	-	-	TWA-MAK: 4 mg/m ³ ; ; i nhalable fraction
Quartz (SiO ₂) 14808-60-7	TWA: 0.05 mg/m ³ ; respirable dust	TWA-VME (restrictif): 0. 1 mg/m ³ ; alveolar fraction	-	-
Chemical name	Greece	Hungary	Italy MDLPS	Italy AIDII
Quartz (SiO ₂) 14808-60-7	TWA: 0.1 mg/m ³ ; respirable dust fraction	TWA-AK: 0.1 mg/m ³ ; respirable fraction	TWA: 0.1 mg/m ³ ; respirable fraction	TWA: 0.025 mg/m ³ ; respirable fraction
Chemical name	Ireland	Latvia	Lithuania	Luxembourg
Quartz (SiO ₂) 14808-60-7	TWA: 0.1 mg/m ³ STEL: 0.3 mg/m ³ (Silica, crystalline, respirable dust) TWA: 6 mg/m ³ TWA: 2.4 mg/m ³ (Silica, amorphous)	-	TWA-IPRD: 0.1 ppm; respirable fraction	TWA: 0.1 mg/m ³ ;
Glass fibre -	TWA: 1 fibre/mL TWA: 5 mg/m ³	-	-	-
Chemical name	Malta	Netherlands	Norway	Poland
Quartz (SiO ₂) 14808-60-7	-	TWA: 0.075 mg/m ³ ; respirable fraction	TWA: 0.05 mg/m ³ ; respirable dust TWA: 0.3 mg/m ³ ; total dust STEL: 0.9 mg/m ³ (value calculated;dust containing .alpha.-Quartz, Cristobalite and/or Tridymite is evaluated by summation formula. At the same time, the values for Nuisance dust must be observed); total dust STEL: 0.15 mg/m ³ (value	TWA-NDS: 0.1 mg/m ³ ; respirable fraction

			calculated;dust containing .alpha.-Quartz, Cristobalite and/or Tridymite is evaluated by summation formula. At the same time, the values for Nuisance dust must be observed); respirable dust	
Chemical name	Portugal	Romania	Slovakia	Slovenia
Calcium sulfate dihydrate 10101-41-4	TWA (VLE-MP): 10 mg/m ³ ; inhalable fraction	-	TWA: 1.5 mg/m ³ ;	-
Quartz (SiO ₂) 14808-60-7	TWA (VLE-MP): 0.025 mg/m ³ ; respirable fraction	TWA: 0.1 mg/m ³ ; dust, respirable fraction	TWA: 0.1 mg/m ³ ; STEL: 0.5 mg/m ³ ;	TWA: 0.05 mg/m ³ ; respirable fraction
Chemical name	Spain	Sweden	Switzerland	United Kingdom
Calcium sulfate dihydrate 10101-41-4	TWA-(VLA-ED): 10 mg/m ³ ;	-	TWA-MAK: 3 mg/m ³ ; respirable dust	TWA: 10 mg/m ³ TWA: 4.0 mg/m ³
Quartz (SiO ₂) 14808-60-7	TWA-(VLA-ED): 0.05 mg/m ³ ; respirable fraction	TLV-NGV: 0.1 mg/m ³ ; respirable fraction	TWA-MAK: 0.15 mg/m ³ ; respirable dust	TWA: 0.1 mg/m ³ (Silica, respirable crystalline) TWA: 6 mg/m ³ TWA: 2.4 mg/m ³ (Silica, amorphous)
Glass fibre -	-	-	-	TWA: 2 fibre/mL TWA: 5 mg/m ³

Biological occupational exposure limits

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

Derived No Effect Level (DNEL) - Workers No information available

Derived No Effect Level (DNEL) - General Public No information available.

Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls**Engineering controls**

Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location. Apply technical measures to comply with the occupational exposure limits.

Personal protective equipment**Eye/face protection**

If there is a risk of contact: Tight sealing safety goggles. Eye protection must conform to standard EN 166.

Hand protection

Repeated or prolonged contact: Wear suitable gloves. During cutting, grinding or sanding operations, wear protective gloves if handling sharp or rough edges.

Skin and body protection

No special protective equipment required.

Respiratory protection

Harmful dust may be released during cutting or grinding process. When workers are facing

concentrations above the exposure limit they must use appropriate certified respirators. Dust mask for dust formation. Disposable filtering half mask respirators should comply with European Standard EN149 or EN405. Ensure all respiratory protective equipment is suitable for its intended use and is 'CE'-marked. Check that the respirator fits tightly and the filter is changed regularly.

Environmental exposure controls Avoid creating dust.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Flat sheet boards in different lengths, widths and thicknesses, with a square or tapered edge
Physical state	Solid
Colour	Grey, brown
Odour	Odourless
Odour threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
Melting point / freezing point		No data available
Boiling point or initial boiling point and boiling range		No data available
Flammability		No data available
Lower and upper explosion limit/flammability limit		
Lower explosion limit		No data available
Upper explosion limit		No data available
Flash point		No data available
Autoignition temperature		No data available
Decomposition temperature		No data available
SADT (°C)		No data available
pH		No data available
pH (as aqueous solution)		No data available
Kinematic viscosity		No data available
Dynamic viscosity		No data available
Water solubility		No data available
Solubility		No data available
Partition coefficient n-octanol/water (log value)		No data available
Vapour pressure		No data available
Density and/or relative density		No data available
Bulk density		No data available
Liquid Density		No data available
Relative vapour density		No data available
Particle characteristics		
Particle Size		No data available
Particle Size Distribution		No data available

9.2. Other information

Molecular weight	No information available
VOC content	No information available
Softening point	No information available

9.2.1. Information with regards to physical hazard classes

Explosives	
Explosive properties	No information available
Oxidising properties	No information available

9.2.2. Other safety characteristics

No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity None under normal use conditions.

10.2. Chemical stability

Stability Stable under normal conditions. Stable under recommended storage conditions.

Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid Dust formation. Extremes of temperature and direct sunlight.

10.5. Incompatible materials

Incompatible materials None known based on information supplied.

10.6. Hazardous decomposition products

Hazardous decomposition products None under normal use conditions.

SECTION 11: Toxicological information

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

Information on likely routes of exposure

Product Information

Inhalation	Harmful dust may be released during cutting or grinding process. Inhalation of dust in high concentration may cause irritation of respiratory system.
Eye contact	Not an expected route of exposure. Dust contact with the eyes can lead to mechanical irritation.
Skin contact	Prolonged contact may cause redness and irritation. Contact with dust can cause mechanical irritation or drying of the skin.
Ingestion	Not an expected route of exposure. May cause gastrointestinal discomfort.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Harmful dust may be released during cutting or grinding process. Product dust may be irritating to eyes, skin and respiratory system. May cause discomfort if swallowed. Prolonged contact may cause redness and irritation.

Acute toxicity Based on available data, the classification criteria are not met.

Numerical measures of toxicity No information available.

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Calcium sulfate dihydrate	> 2000 mg/kg (Rat)	-	> 3.26 mg/l

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Component Information					
Calcium sulfate dihydrate (10101-41-4)					
Exposure route	Effective dose	Method	Species	Exposure time	Results
Dermal	0.5 g				

Glass fibre (-)					
Exposure route	Effective dose	Method	Species	Exposure time	Results
		OECD Test No. 404: Acute Dermal Irritation/Corrosion			non-irritant

Serious eye damage/eye irritation Based on available data, the classification criteria are not met.

Component Information					
Calcium sulfate dihydrate (10101-41-4)					
Effective dose	Method	Species	Exposure route	Exposure time	Results
0.1 g					

Glass fibre (-)					
Effective dose	Method	Species	Exposure route	Exposure time	Results
					non-irritant

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

Component Information					
Calcium sulfate dihydrate (10101-41-4)					
Glass fibre (-)					
Species	Method	Exposure route	Results		
			Not a skin sensitiser		

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Component Information					
Glass fibre (-)					
Method	Species	Results			
		Not Carcinogenic			

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT - single exposure Based on available data, the classification criteria are not met.

STOT - repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard Not applicable.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disruption for human health This product does not contain any known or suspected endocrine disruptors.

11.2.2. Other information

Other adverse effects None known based on information supplied.

SECTION 12: Ecological information

12.1. Toxicity Based on available data, the classification criteria are not met. Not considered to be harmful to aquatic life.

Chemical name	Fish	Crustacea	Algae/aquatic plants	Toxicity to microorganisms
Glass fibre	LC50: >1000 mg/L (96h, Danio rerio)	EC50: >1000 mg/L (3d, Daphnia magna)	EC50: >1000 mg/L (3d, Pseudokirchneriella subcapitata)	-

12.2. Persistence and degradability No information available.

Calcium sulfate dihydrate (10101-41-4)

Exposure time	Method	Value	Results
-			

12.3. Bioaccumulative potential No information available.

12.4. Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment No information available.

Chemical name	PBT and vPvB assessment
Calcium sulfate dihydrate	Not PBT/vPvB

12.6. Endocrine disrupting properties This product does not contain any known or suspected endocrine disruptors.

12.7. Other adverse effects None known based on information supplied.

PMT or vPvM properties Based on available data, the classification criteria are not met.

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Waste from residues/unused products	The generation of waste should be minimised or avoided wherever possible. Recover or recycle if possible. This material and its container must be disposed of in a safe way. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal.
Waste codes / waste designations according to EWC / AVV	According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: Transport information

<u>IATA</u>	Not regulated
14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	None
Special Provisions	None
<u>IMDG</u>	Not regulated
14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	None
Special Provisions	None
14.7 Maritime transport in bulk according to IMO instruments	No information available
<u>RID</u>	Not regulated
14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	None
Special Provisions	None
<u>ADR</u>	Not regulated
14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	None
Special Provisions	None
<u>ADN</u>	Not regulated
14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not applicable
14.5 Environmental hazard	Not applicable
14.6 Special precautions for user	

Special Provisions None

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations****France****Occupational Illnesses (R-463-3, France)**

Chemical name	French RG number
Quartz (SiO ₂) 14808-60-7	RG 25

Chemical Prohibition Ordinance (ChemVerbotsV)

Not applicable.

TA Luft (German Air Pollution Control Regulation)

Chemical name	Number	Class
Quartz (SiO ₂) 14808-60-7	5.2.7.1.1	-

TRGS 905 Not applicable

Netherlands**Carcinogenic, mutagenic and reproductive toxic effects**

Chemical name	Netherlands - List of Carcinogens	Netherlands - List of Mutagens	Netherlands - List of Reproductive Toxins
Quartz (SiO ₂) 14808-60-7	Present	-	-

Ordinance on the Incentive Tax on Volatile Organic Compounds (OVOC) SR 814.018 Not applicable
Storage of Hazardous Material Not applicable
WPO (GSchV) SR 814.201; WPA (GSchG) SR 814.20 Not applicable
Major Accidents Ordinance SR 814.012 Not applicable

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Authorisations and/or restrictions on use:

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Persistent Organic Pollutants

Not applicable

Ozone-depleting substances (ODS) regulation (EC) 2024/590

Not applicable.

EU - Plant Protection Products (1107/2009/EC)

Chemical name	EU - Plant Protection Products (1107/2009/EC)
Quartz (SiO ₂) 14808-60-7	Plant protection agent

Explosives Precursors Marketing and Use (2019/1148)

Not applicable.

International Inventories

Contact supplier for inventory compliance status

15.2. Chemical safety assessment**Chemical Safety Report**

Not applicable.

SECTION 16: Other information**Key or legend to abbreviations and acronyms used in the safety data sheet***List may include phrases which are not applicable to this product*

ACGIH	American Conference of Governmental Industrial Hygienists
AIDII	Italian Association of Industrial Hygienists
ADN	Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Europe)
ADR	Agreement concerning the International Carriage of Dangerous Goods by Road (Europe)
AIIC	Australian Inventory of Industrial Chemicals
ATE	Acute Toxicity Estimate
ASTM	American Society for the Testing of Materials
bar	Biological Reference Values for Chemical Compounds in the Work Area
BAT	Biological tolerance values for occupational exposure
BEL	Biological exposure limits
bw	Body weight
Ceiling	Maximum limit value
CLP	Classification, Labelling and Packaging Regulation; Regulation (EC) No 1272/2008
CMR	Carcinogen, Mutagen or Reproductive Toxicant
DFG	German Research Foundation
DOT	Department of Transportation (United States)
DSL	Domestic Substances List (Canada)
ECHA	European Chemicals Agency
EC Number	European Community number
EmS	Emergency Schedule
ENCS	Existing and New Chemical Substances (Japan)
EPA	U.S. Environmental Protection Agency
EWC	European Waste Codes
GHS	Globally Harmonized 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
ICAO	International Civil Aviation Organisation
IECSC	Inventory of Existing Chemical Substances in China
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization

ISO	International Organisation for Standardisation
KECI	Korean Existing Chemicals Inventory
LC50	Lethal Concentration to 50% of a test population
LD50	Lethal Dose to 50% of a test population (Median Lethal Dose)
MAK	Maximum Concentration at the Workplace
MAL	Measuring Technical Hygienic Air Needs
MARPOL	International Convention for the Prevention of Pollution from Ships
MDLPS	Ministry of Labour and Social Policy
n.o.s.	Not Otherwise Specified
NOAEC	No Observed Adverse Effect Concentration
NOAEL	No Observed Adverse Effect Level
NOELR	No Observable Effect Loading Rate
NZIoC	New Zealand Inventory of Chemicals
OECD	Organization for Economic Cooperation and Development
OEL	Occupational exposure limits
PBT	Persistent, Bioaccumulative and Toxic substance
PICCS	Philippines Inventory of Chemicals and Chemical Substances
PMT	Persistent, Mobile and Toxic
PPE	Personal protective equipment
QSAR	Quantitative Structure Activity Relationship
REACH	Registration, Evaluation, Authorisation, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006)
RID	Agreement concerning the International Carriage of Dangerous Goods by Rail (Europe)
SADT	Self-Accelerating Decomposition Temperature
SAR	Structure-activity relationship
SDS	Safety Data Sheet
SL	Surface Limit
STEL	Short Term Exposure Limit
STOT RE	Specific target organ toxicity - Repeated exposure
STOT SE	Specific target organ toxicity - Single exposure
SVHC	Substance of very high concern
TCSI	Taiwan Chemical Substance Inventory
TDG	Transport of Dangerous Goods (Canada)
TRGS	Technical Rule for Hazardous Substances
TSCA	Toxic Substances Control Act (United States)
TWA	Time-Weighted Average
UN	United Nations
VOC	Volatile organic compounds
vPvB	Very Persistent and Very Bioaccumulative
vPvM	Very Persistent and Very Mobile
As	Allergenic substance
C	Carcinogen
DS	Dermal Sensitizer
Ot	Ototoxicant
pOt	Ototoxicant - potential to cause hearing disorders
PS	Photosensitizer
RS	Respiratory Sensitizer
S	Sensitizer
poS	Sensitizer - capable of causing occupational asthma
Sa	Simple asphyxiant
Sd	Skin designation
pSd	Skin designation - potential for cutaneous absorption
Sdv	Skin designation - vacated
Sk	Skin notation
dSk	Skin notation - danger of cutaneous absorption
pSk	Skin notation - potential for cutaneous absorption

Key literature references and sources for data used to compile the SDS

U.S. Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA_RAC)
European Chemicals Agency (ECHA) (ECHA_API)
U.S. Environmental Protection Agency
Acute Exposure Guideline Level(s) (AEGl(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
Japan GHS Classification
Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine's PubMed database (NLM PUBMED)
U.S. National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
International Organization for Economic Co-operation and Development (OECD) Environment, Health, and Safety Publications
International Organization for Economic Co-operation and Development (OECD) High Production Volume Chemicals Program
International Organization for Economic Co-operation and Development (OECD) Screening Information Data Set
United Nations World Health Organization (WHO)

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End of Safety Data Sheet