SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:
Regulation (EC) No. 1907/2006 as amended by Regulation (EU) No. 2020/878, and
Regulation (EC) No. 1272/2008

Revision Date 29-Jan-2025 **Version** 1

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

1.1. Product identifier

Product Code 85913

Product Name 66MA POWER BEAD CLEAR RTV SILICONE 7.25 OZ AE

Other means of identification

Mixture.

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

Recommended Use Sealant

Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Manufacturer
ITW Permatex, Inc.
6875 Parkland Blvd.
Solon, Ohio 44139 USA
Telephone: 1-87-Permatex
(866) 732-9502

Only Representative (OR)
ITW Permatex, Inc.
Bay 150
Shannon Industrial Estate
Co. Clare
Ireland
V14 DF82
353(61)771500
353(61)471285
customerservice.shannon@itwpp.com

For further information, please contact

Contact Point ITW Permatex
6875 Parkland Blvd.
Solon, Ohio 44139 USA
Telephone: 1-87-Permatex
(866) 732-9502

E-mail address: mail@permatex.com

Non-Emergency Telephone Number 866-732-9502

1.4. Emergency telephone number

24-hour emergency phone number EU Member States information as follows:

24-hour emergency phone number - §45 - (EC)1272/2008	
Europe	**112**
Austria	01 406 43 43
Belgium	070 245 245
Bulgaria	+359 2 9154 233

Croatia	+3851 2348 342
Cyprus	1401
Czech Republic	+420 224 919 293/ +420 224 915 402
Denmark	+ 45 8212 1212
Estonia	16662/ (+372) 7943 794
Finland	0800 147 111/ 09 471 977
France	+33 (0)1 45 42 59 59
Germany	+49 228 192 40
Greece	(003) 2107793777
Hungary	+36 80 201 199
Iceland	543 2222
Ireland	01 809 2166
Italy	0382-24444
Latvia	+371 67042473
Liechtenstein	01 406 43 43
Lithuania	+370 (85) 2362052
Luxembourg	(+352) 8002 5500
Malta	112
Netherlands	+31 (0)88 755 8000
Norway	22 59 13 00
Poland	112
Portugal	+351 800 250 250
Romania	+40213183606
Slovakia	+421 2 5477 4166
Slovenia	112
Spain	+34 91 562 04 20
Sweden	112
Switzerland	145
United Kingdom	111

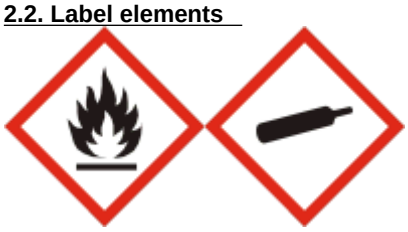
SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Chemicals under pressure	Category 2

2.2. Label elements



Signal word
Warning

Hazard statements
H283 - Flammable chemical under pressure: May explode if heated.
EUH210 - Safety data sheet available on request.

Precautionary Statements - EU (§28, 1272/2008)
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211 - Do not spray on an open flame or other ignition source.
P381 - In case of leakage, eliminate all ignition sources.
P376 - Stop leak if safe to do so.
P370 + P378 - In case of fire: Use dry chemical, CO2, water spray or alcohol-resistant foam to extinguish.
P410 + P403 - Protect from sunlight. Store in a well-ventilated place.

40 % of the mixture consists of ingredient(s) of unknown acute toxicity.
18.5 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.
21 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.
40 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).
40 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor).
28 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

Unknown aquatic toxicity
Contains 73 % of components with unknown hazards to the aquatic environment.

2.3. Other hazards

Other hazards Causes mild skin irritation.

PBT & vPvB The components in this formulation do not meet the criteria for classification as PBT or vPvB.

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

Chemical name	Weight-%	REACH registration number	EC No (EU Index No)	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)	Notes
AMORPHOUS SILICA 7631-86-9	7-13%	Monomers Registered	231-545-4	No data available	-	-	-	-
DISTILLATES (PETROLEUM), HYDROTREATED MIDDLE 64742-46-7	5-10%	No data available	265-148-2 (649-221-00-X)	Carc. 1B (H350)	-	-	-	N
ACETIC ACID 64-19-7	1-5%	No data available	200-580-7 (607-002-00-6)	Flam. Liq. 3 (H226) Skin Corr. 1A (H314)	Eye Irrit. 2 :: 10%<=C<25 % Skin Corr. 1A :: C>=90% Skin Corr. 1B :: 25%<=C<90 % Skin Irrit. 2 :: 10%<=C<25 %	-	-	B

Note B - Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: ‘nitric acid … %’. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.
Note N - The harmonized classification as a carcinogen applies unless the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen, in which case a classification in accordance with Title II of this Regulation shall be performed also for that hazard class.

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 (ATEmix) 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 - vapor - mg/L	Inhalation LC50 - 4 hour - gas - ppm
AMORPHOUS SILICA 7631-86-9	7900	5000	5.01	No data available	No data available
DISTILLATES (PETROLEUM), HYDROTREATED MIDDLE 64742-46-7	7400	2000	No data available	No data available	No data available
ACETIC ACID 64-19-7	3310	1060	11.4	No data available	No data available

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

Section 4: First aid measures

4.1. Description of first aid measures

Inhalation Remove to fresh air.

Eye contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Skin contact Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician.

Ingestion Rinse mouth.

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

Symptoms Prolonged contact may cause redness and irritation.

Effects of Exposure No information available.

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

Note to physicians Treat symptomatically.

Section 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical No information available.

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.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Ensure adequate ventilation.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions 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 Take up mechanically, placing in appropriate containers for disposal.

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 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling Ensure adequate ventilation.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container tightly closed in a dry and well-ventilated place.

Storage class (TRGS 510) Storage class 10.

7.3. Specific end use(s)

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

Chemical name	European Union	Austria	Belgium	Bulgaria	Croatia
AMORPHOUS SILICA 7631-86-9	-	TWA: 4 mg/m³	-	-	-
ACETIC ACID 64-19-7	TWA: 25 mg/m³ TWA: 10 ppm STEL: 50 mg/m³ STEL: 20 ppm	TWA: 10 ppm TWA: 25 mg/m³ STEL 20 ppm STEL 50 mg/m³	TWA: 10 ppm TWA: 25 mg/m³ STEL: 15 ppm STEL: 38 mg/m³	TWA: 25 mg/m³ TWA: 10 ppm STEL: 50 mg/m³ STEL: 20 ppm	TWA: 10 ppm TWA: 25 mg/m³ STEL: 20 ppm STEL: 50 mg/m³

Chemical name	Cyprus	Czech Republic	Denmark	Estonia	Finland
AMORPHOUS SILICA 7631-86-9	-	TWA: 0.1 mg/m³ TWA: 4.0 mg/m³	-	TWA: 2 mg/m³	TWA: 5 mg/m³
ACETIC ACID 64-19-7	TWA: 10 ppm TWA: 25 mg/m³ STEL: 50 mg/m³ STEL: 20 ppm	TWA: 25 mg/m³ Ceiling: 50 mg/m³	TWA: 10 ppm TWA: 25 mg/m³ STEL: 50 mg/m³ STEL: 20 ppm	TWA: 10 ppm TWA: 25 mg/m³ STEL: 10 ppm STEL: 25 mg/m³	TWA: 5 ppm TWA: 13 mg/m³ STEL: 10 ppm STEL: 25 mg/m³

Chemical name	France	Germany TRGS	Germany DFG	Greece	Hungary
AMORPHOUS SILICA 7631-86-9	-	TWA: 1 mg/m³	TWA: 0.02 mg/m³ Peak: 0.16 mg/m³	-	-
ACETIC ACID 64-19-7	TWA: 10 ppm TWA: 25 mg/m³ STEL: 20 ppm STEL: 50 mg/m³	TWA: 10 ppm TWA: 25 mg/m³	TWA: 10 ppm TWA: 25 mg/m³ Peak: 20 ppm Peak: 50 mg/m³	TWA: 10 ppm TWA: 25 mg/m³ STEL: 15 ppm STEL: 37 mg/m³	TWA: 10 ppm TWA: 25 mg/m³ STEL: 20 ppm STEL: 50 mg/m³

Chemical name	Ireland	Italy MDLPS	Italy AIDII	Latvia	Lithuania
AMORPHOUS SILICA 7631-86-9	TWA: 6 mg/m³ TWA: 2.4 mg/m³ STEL: 18 mg/m³ STEL: 7.2 mg/m³	-	-	TWA: 1 mg/m³	-
ACETIC ACID 64-19-7	TWA: 10 ppm TWA: 25 mg/m³ STEL: 20 ppm STEL: 50 mg/m³	TWA: 25 ppm TWA: 10 mg/m³ STEL: 50 mg/m³ STEL: 20 ppm	TWA: 10 ppm TWA: 25 mg/m³ STEL: 15 ppm STEL: 37 mg/m³	TWA: 10 ppm TWA: 25 mg/m³ STEL: 50 mg/m³ STEL: 20 ppm	TWA: 10 ppm TWA: 25 mg/m³ STEL: 50 mg/m³ STEL: 20 ppm

Chemical name	Luxembourg	Malta	Netherlands	Norway	Poland
AMORPHOUS SILICA 7631-86-9	-	-	-	TWA: 1.5 mg/m³ STEL: 3 mg/m³	-
ACETIC ACID 64-19-7	TWA: 10 ppm TWA: 25 mg/m³ STEL: 50 mg/m³ STEL: 20 ppm	TWA: 10 ppm TWA: 25 mg/m³ STEL: 20 ppm STEL: 50 mg/m³	TWA: 10 ppm TWA: 25 mg/m³ STEL: 20 ppm STEL: 50 mg/m³	TWA: 10 ppm TWA: 25 mg/m³ STEL: 20 ppm STEL: 50 mg/m³ A+	TWA: 25 mg/m³ STEL: 50 mg/m³

Chemical name	Portugal	Romania	Slovakia	Slovenia	Spain
AMORPHOUS SILICA 7631-86-9	-	-	Ceiling: 0,3 mg/m³	TWA: 4 mg/m³	-
ACETIC ACID 64-19-7	TWA: 10 ppm TWA: 25 mg/m³ STEL: 20 ppm STEL: 50 mg/m³	TWA: 10 ppm TWA: 25 mg/m³ STEL: 20 ppm STEL: 50 mg/m³	TWA: 10 ppm TWA: 25 mg/m³ Ceiling: 50 mg/m³	TWA: 10 ppm TWA: 25 mg/m³ STEL: 50 mg/m³ STEL: 20 ppm	TWA: 10 ppm TWA: 25 mg/m³ STEL: 20 ppm STEL: 50 mg/m³

Chemical name	Sweden	Switzerland	United Kingdom
AMORPHOUS SILICA 7631-86-9	-	TWA: 4 mg/m³	TWA: 6 mg/m³ TWA: 2.4 mg/m³ STEL: 18 mg/m³ STEL: 7.2 mg/m³
ACETIC ACID 64-19-7	NGV: 5 ppm NGV: 13 mg/m³ Bindande KGV: 10 ppm Bindande KGV: 25 mg/m³	TWA: 10 ppm TWA: 25 mg/m³ STEL: 20 ppm STEL: 50 mg/m³	TWA: 10 ppm TWA: 25 mg/m³ STEL: 20 ppm STEL: 50 mg/m³

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

Chemical name	Oral	Dermal	Inhalation
ETHYLTRIACETOXYSILANE 17689-77-9	-	11.39 mg/kg bw/day [4] [6]	80.33 mg/m³ [4] [6] 32.5 mg/m³ [5] [6] 32.5 mg/m³ [5] [7]
METHYLTRIACETOXYSILANE 4253-34-3	-	-	31 mg/m³ [5] [6] 61 mg/m³ [5] [7]
ACETIC ACID 64-19-7	-	-	25 mg/m³ [5] [6] 25 mg/m³ [5] [7]

Notes

[4] Systemic health effects.
[5] Local health effects.
[6] Long term.
[7] Short term.

Derived No Effect Level (DNEL) - General Public

Chemical name	Oral	Dermal	Inhalation
ETHYLTRIACETOXYSILANE 17689-77-9	5.7 mg/kg bw/day [4] [6]	-	19.81 mg/m³ [4] [6] 6.5 mg/m³ [5] [6]
METHYLTRIACETOXYSILANE 4253-34-3	-	-	31 mg/m³ [5] [6] 61 mg/m³ [5] [7]
ACETIC ACID 64-19-7	-	-	25 mg/m³ [5] [6] 25 mg/m³ [5] [7]

Notes

[4] Systemic health effects.
[5] Local health effects.
[6] Long term.
[7] Short term.

Predicted No Effect Concentration (PNEC)

Chemical name	Freshwater	Freshwater (intermittent release)	Marine water	Marine water (intermittent release)	Air
ACETIC ACID 64-19-7	3.058 mg/L	30.58 mg/L	0.3058 mg/L	-	-

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
METHYLTRIACETOXYSILANE 4253-34-3	4.8 mg/kg sediment dw	0.48 mg/kg sediment dw	6.9 mg/L	0.19 mg/kg soil dw	-
ACETIC ACID 64-19-7	11.36 mg/kg sediment dw	1.136 mg/kg sediment dw	85 mg/L	0.47 mg/kg soil dw	-

8.2. Exposure controls

Engineering controls No information available.

Personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Hand protection Wear suitable gloves.

Skin and body protection Wear suitable protective clothing.

Respiratory protection Appropriate respiratory protection should be selected and used according to the chemical nature, hazards and use of this product and safety requirements of the local jurisdiction. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Thermal hazards No information available.

Environmental exposure controls No information available.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Paste / Gel Liquid
Color	Clear
Odor	No information available
Odor threshold	No information available

Property	**Values**	**Remarks • Method**	
Melting point / freezing point	No data available	**Boiling point / boiling range**	No data available
Polymerization		**Flammability (solid, gas)**	No data available
Flammability Limit in Air		None known	
Upper flammability limit:	No data available		
Lower flammability limit:	No data available		
Flash point	> 93 °C		
Autoignition temperature	No data available	**Decomposition temperature**	
pH	No data available	**pH (as aqueous solution)**	No data available
None known		**Kinematic viscosity**	No Data Available
Dynamic viscosity	No data available	**Water solubility**	No data available Not applicable
Polymerization		**Solubility(ies)**	No Data Available
None known		**Partition coefficient**	No Data Available
None known		**Vapor pressure**	<5 mm Hg
		Relative density	1.01
		Bulk density	No data available
		Density	No data available
		Vapor density	>1
Air = 1		**Particle characteristics**	
		Particle Size	No information available
		Particle Size Distribution	No information available

9.2. Other information

VOC content 2%

9.2.1. Information with regard to physical hazard classes
Not applicable

9.2.2. Other safety characteristics
No information available

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity No information available.

10.2. Chemical stability

Stability Stable under normal 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 None known based on information supplied.

10.5. Incompatible materials

Incompatible materials None known based on information supplied.

10.6. Hazardous decomposition products

Hazardous Decomposition Products Carbon oxides. Nitrogen oxides (NOx). Acetic acid. Oxides of sulfur. Formaldehyde.

Section 11: Toxicological information

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

Information on likely routes of exposure

Inhalation Specific test data for the substance or mixture is not available.

Eye contact Specific test data for the substance or mixture is not available.

Skin contact Specific test data for the substance or mixture is not available. Causes mild skin irritation.

Ingestion Specific test data for the substance or mixture is not available.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Prolonged contact may cause redness and irritation.

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

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

Numerical measures of toxicity
The following values are calculated based on chapter 3.1 of the GHS document:
ATEmix (oral) 20,225.40 mg/kg
ATEmix (dermal) 10,694.80 mg/kg
ATEmix (inhalation-gas) 99,999.00 ppm
ATEmix (inhalation-vapor) 99,999.00 mg/l
ATEmix (inhalation-dust/mist) 33.20 mg/l

18.5 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.
21 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.
40 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).
40 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor).
28 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
AMORPHOUS SILICA	= 7900 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	> 5.01 mg/L (Rat) 4 h

DISTILLATES (PETROLEUM), HYDROTREATED MIDDLE	= 7400 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	= 4.6 mg/L (Rat) 4 h
ACETIC ACID	= 3310 mg/kg (Rat)	= 1060 mg/kg (Rabbit)	= 11.4 mg/L (Rat) 4 h

Skin corrosion/irritation Classification based on data available for ingredients. Causes mild skin irritation.

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

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

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

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

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	European Union
DISTILLATES (PETROLEUM), HYDROTREATED MIDDLE	Carc. 1B

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

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disrupting properties Based on available data, the classification criteria are not met.

11.2.2. Other information

Other adverse effects No information available.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity

Unknown aquatic toxicity Contains 73 % of components with unknown hazards to the aquatic environment.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
AMORPHOUS SILICA	EC50: =440mg/L (72h, Pseudokirchneriella	LC50: =5000mg/L (96h, Brachydanio rerio)	-	EC50: =7600mg/L (48h, Ceriodaphnia dubia)

	subcapitata)			
DISTILLATES (PETROLEUM), HYDROTREATED MIDDLE	-	LC50: =35mg/L (96h, Pimephales promelas) LC50: >10000mg/L (96h, Pimephales promelas)	-	-
ACETIC ACID	-	LC50: =79mg/L (96h, Pimephales promelas) LC50: =75mg/L (96h, Lepomis macrochirus)	-	EC50: =65mg/L (48h, Daphnia magna)

12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation

Chemical name	Partition coefficient
ACETIC ACID	-0.17

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment Based on available data, the classification criteria are not met.

Chemical name	PBT and vPvB assessment
AMORPHOUS SILICA	The substance is not PBT / vPvB
DISTILLATES (PETROLEUM), HYDROTREATED MIDDLE	The substance is not PBT / vPvB
ACETIC ACID	The substance is not PBT / vPvB

12.6. Endocrine disrupting properties

Endocrine disrupting properties Based on available data, the classification criteria are not met.

12.7. Other adverse effects

Other adverse effects No information available.

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 Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

Section 14: Transport information

IATA

14.1 UN number or ID number	3501
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	2.1
14.4 Packing group	Not regulated
Description	UN3501, Chemical under pressure, flammable, n.o.s. (nitrogen, acetic acid), 2.1
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	
Special Provisions	A1, A187
ERG Code	10L

IMDG

14.1 UN number or ID number	3501
14.2 UN proper shipping name	Chemical under pressure, flammable, n.o.s.
14.3 Transport hazard class(es)	2.1
14.4 Packing group	Not regulated
Description	UN3501, Chemical under pressure, flammable, n.o.s. (nitrogen, acetic acid), 2.1
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	
Special Provisions	274, 362
EmS-No.	F-D, S-U
14.7 Maritime transport in bulk according to IMO instruments	No information available

RID

14.1 UN number or ID number	3051
14.2 UN proper shipping name	Chemical under pressure, flammable, n.o.s.
14.3 Transport hazard class(es)	2.1
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	
Special Provisions	None

ADR

14.1 UN number or ID number	3051
14.2 UN proper shipping name	Chemical under pressure, flammable, n.o.s.
14.3 Transport hazard class(es)	2.1
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	
Special Provisions	None

ADN

14.1 UN number or ID number	3051
14.2 UN proper shipping name	Chemical under pressure, flammable, n.o.s.
14.3 Transport hazard class(es)	2.1
14.4 Packing group	Not regulated
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
AMORPHOUS SILICA - 7631-86-9	RG 25

Germany

Water hazard class (WGK) obviously hazardous to water (WGK 2)
TA Luft (German Air Pollution Control Regulation)

Chemical name	Number	Class
ACETIC ACID	5.2.5	Class II

Switzerland
Ordinance on the Incentive Tax on Volatile Organic Compounds (OVOC) SR 814.018 Group I
Storage of Hazardous Material SC Non-hazardous material
WPO (GSchV) SR 814.201; WPA (GSchG) SR 814.20 Class B

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.

Authorizations and/or restrictions on use:
This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Chemical name	Restricted substance per REACH Annex XVII	Substance subject to authorization per REACH Annex XIV
DISTILLATES (PETROLEUM), HYDROTREATED MIDDLE - 64742-46-7	28 75	-
ACETIC ACID - 64-19-7	75	-

Persistent Organic Pollutants
Not applicable

Ozone-depleting substances (ODS) Regulation (EU) 2024/590
Not applicable

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

Chemical name	EU - Plant Protection Products (1107/2009/EC)
AMORPHOUS SILICA - 7631-86-9	Plant protection agent
DISTILLATES (PETROLEUM), HYDROTREATED MIDDLE - 64742-46-7	Plant protection agent
ACETIC ACID - 64-19-7	Plant protection agent

Biocidal Products Regulation (EU) No 528/2012 (BPR)

Chemical name	Biocidal Products Regulation (EU) No 528/2012 (BPR)
ACETIC ACID - 64-19-7	Product-type 2: Disinfectants and algaecides not intended for direct application to humans or animals Simplified procedure - Category 1

International Inventories

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECI	Complies
PICCS	Complies
AICS	Complies
NZIoC	Complies
TCSI	Contact supplier for inventory compliance status

Legend:
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing Chemicals Inventory
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances
NZIoC - New Zealand Inventory of Chemicals
TCSI - Taiwan Chemical Substance Inventory

15.2. Chemical safety assessment

Chemical Safety Report No information available

SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of any hazard and/or precautionary statements referred to under Sections 2-15
H226 - Flammable liquid and vapor
H314 - Causes severe skin burns and eye damage
H350 - May cause cancer

Legend
SVHC: Substances of Very High Concern for Authorization:
PBT: Persistent, Bioaccumulative, and Toxic (PBT) Substances
vPvB: Very Persistent and very Bioaccumulative (vPvB) Substances
STOT: Specific Target Organ Toxicity
ATE: Acute Toxicity Estimate
LC50: 50% Lethal Concentration
LD50: 50% Lethal Dose

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation
+	Sensitizers		

Classification procedure	
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity	Calculation method
Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - vapor	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitization	Calculation method
Skin sensitization	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Chronic aquatic toxicity	Calculation method
Acute aquatic toxicity	Calculation method
Aspiration hazard	Calculation method
Ozone	Calculation method

Key literature references and sources for data used to compile the SDS
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)
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)
National Institute of Technology and Evaluation (NITE)
Australia 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)
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
Organization for Economic Co-operation and Development High Production Volume Chemicals Program
Organization for Economic Co-operation and Development Screening Information Data Set
World Health Organization

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This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006
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End of Safety Data Sheet