



Safety Data Sheet

According to 1907/2006/EC (REACH),1272/2008EC (CLP) and GHS

1 Identification

1.1 Product identifier

- Trade name: Stonarts.D
- Article number:

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

- Application of the substance / the mixture Stone Protectant - Antistatic Acrylic Epoxy Spray

1.3 Details of the supplier of the Safety Data Sheet

- Manufacturer/Supplier Stonarts.D India's Largest Stone Tile Store
- Further information obtainable from Technical Department

1.4 Emergency telephone number (080) 22101010

2 Hazard(s) identification

2.1 Classification of the substance or mixture.

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



GHS 04 gas cylinder

Press. Gas

H280

Contains gas under pressure; may explode if heated.



GHS02 Flame

Flam. Aerosol 1 H222 – H229

Extremely flammable aerosol. Pressurized container. May burst if heated.



GHS07 Exclamation

Acute Tox. 4 H302, H312, H332

Harmful if swallowed., Harmful in contact with skin., Harmful if inhaled.

Skin Irrit. 2 H315

Causes skin irritation.

Eye Irrit. 2 H319

Causes serious eye irritation.

STOT SE 3 H336

May cause drowsiness or dizziness.

2.2 Label elements

- GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**



GHS04 GHS02 GHS07

· **Signal word** Warning! Pressurized container

· **Hazard-determining components of labeling** :

Pressurized container : protect from sunlight and do not expose to temperatures exceeding 50 °C.

Do not pierce or burn, even after use.

Do not spray on a waked flame or any incandescent material.

· **Hazard statements**

H280 Contains gas under pressure; may explode if heated.

H222- H229 Extremely flammable aerosol. Pressurized container: May burst if heated.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H336 May cause drowsiness or dizziness.

· **Precautionary statements**

P102 Keep out of reach of children

P103 Read Label before use.

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Pressurized container: Do not pierce or burn, even after use.

P260 Do not breathe mist/vapors spray.

P262 Do not get in eyes, on skin, or on clothing.

P271 Use outdoors or in a well-ventilated area.

P281 Use personal protective equipment as required.

P302+P352 If on skin: Wash with plenty of water.

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

P308+P313 IF exposed or concerned: Get medical advice/attention.

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

P405 Store locked up.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.














· **vPvB:** Not applicable

3 Composition/information on ingredients

3.1 Chemical characterization: Mixtures

3.2 Description: Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS No.	Ingredients	%
67-64-1	Acetone  Flam. Liq.2, H225  Eye Irrit.2,H319; STOT SE3,H336	20-30
1330-20-7	Xylene  Flam. Liq. 3, H226  Acute Tox.4, H312; Acute Tox.4,H332; Skin Irrit. 2, H315	5-10
123-86-4	n-Butyl Acetate  Flam. Liq.3, H226  STOT SE 3, H336	5-10
141-78-6	Ethyl Acetate  Flam. Liq.2, H225,  STOT SE 3, H336, Eye Irrit. 2A, H319	5-10
111-76-2	2-Butoxyethanol  Acute Tox. 4, H302; Acute Tox.4 H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319 Flam. Liq. 4, H227	5-10
74-98-6	Propane  Flam. Gas. 1, H220  Press. Gas, H280	10-15
106-97-8	Butane  Flam. Gas. 1, H220  Press. Gas, H280	10-15

· **Additional information :** For the wording of the listed phases refer to section 16

4 First-aid measures

4.1 Description of first aid measures

- **General information:** Take affected persons out into the fresh air.
- **After inhalation:**
 - Supply fresh air; consult doctor in case of complaints.
 - Provide oxygen treatment if affected person has difficulty breathing.
 - In case of irregular breathing or respiratory arrest provide artificial respiration.
 - In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:**
 - Immediately wash with water and soap and rinse thoroughly.
 - If skin irritation continues, consult a doctor.
- **After eye contact:**
 - Remove contact lenses if worn.
 - Rinse opened eye for several minutes under running water.
 - If symptoms persist, consult a doctor.
- **After swallowing:**
 - Unlikely route of exposure.
 - Rinse out mouth and then drink plenty of water.
 - Do not induce vomiting; immediately call for medical help.

4.2 Most important symptoms and effects, both acute and delayed

- Headache
- Dizziness
- Nausea
- Gastric or intestinal disorders when ingested.
- Breathing difficulty
- Allergic reactions
- Coughing
- Irritant to skin and mucous membranes.
- Slight irritant effect on eyes.
- Disorientation
- **Danger**
 - Danger of impaired breathing.
 - Vapours may cause drowsiness and dizziness.
 - Danger of disturbed cardiac rhythm.
 - Danger of pulmonary edema.
 - Repeated exposure may cause skin dryness or cracking.
 - Danger of serious damage to health by prolonged exposure.

4.3 Indication of any immediate medical attention and special treatment needed

- If swallowed, gastric irrigation with added, activated carbon.
- If necessary oxygen respiration treatment.
- Medical supervision for at least 48 hours.
- If swallowed or in case of vomiting, danger of entering the lungs.
- Treat skin and mucous membrane with antihistamine and corticoid preparations.

5 Fire-fighting measures

5.1 Extinguishing media

- **Suitable extinguishing agents:**
 - CO₂, extinguishing powder or sand. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water stream.

5.2 Special hazards arising from the substance or mixture

- Danger of receptacles bursting because of high vapor pressure if heated.
- Formation of toxic gases is possible during heating or in case of fire.

5.3 Advice for firefighters

- **Protective equipment:**
 - Wear self-contained respiratory protective

device. Wear fully protective suit.

· **Additional information**

Eliminate all ignition sources if safe to do so.

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation.

Keep away from ignition sources.

6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Allow to evaporate.

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

Send for recovery or disposal in suitable receptacles.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information

7 Handling and storage

7.1 Precautions for safe handling

Keep away from heat and direct sunlight.

Use only in well ventilated areas.

· **Information about protection against explosions and fires:**

Do not spray onto a naked flame or any Incandescent material.

Keep ignition sources away

Do not smoke.

7.2 Conditions for safe storage, including any incompatibilities

· **Storage:** Protect against electrostatic charges.

· **Requirements to be met by storerooms and receptacles:** Pressurized container : protect from sunlight and do not expose to temperature exceeding 50 °C.

Provide ventilation for receptacles.

Avoid storage near extreme heat, ignition sources or open flame.

· **Information about storage in one common storage facility:**

Store away from foodstuffs.

Store away from oxidizing agents.

· **Further information about storage conditions:**

Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.

7.3 Specific end use (s): Do not pierce or burn, even after use

8 Exposure controls/personal protection

· **Additional information about design of technical systems:** No further data; see item 7.

8.1 Control parameters

· **Components with limit values that require monitoring at the workplace:**

Hazardous Ingredient (s)	Type	ppm	mg/m ³	Source
Acetone	TWA	1500	3620	ACGIH
Xylene	TWA	100	441	ACGIH
Propane, Butane	TWA	1000	-	ACGIH
n-Butyl Acetate	TWA	200	966	ACGIH
Ethyl Acetate	TWA	400	-	ACGIH
2-Butoxyethanol	TWA	20	-	ACGIH

8.2 Exposure controls

· **Personal protective equipment:**

· **General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

· **Breathing equipment:**



Suitable respiratory protective device recommended.

For spills, respiratory protection may be advisable.

Use suitable respiratory protective device in case of insufficient ventilation.

NIOSH or EN approved organic vapor respirator equipped with a dust/mist prefilter should be used.

· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Safety glasses

· **Body protection:** Protective work clothing

· **Limitation and supervision of exposure into the environment**

No further relevant information available.

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

· **General Information**

· **Appearance:**

· Form:	Aerosol
· Color:	According to product catalogue
· Odor:	Characteristic
· Odor threshold:	Not determined.

· **Change in condition**

· Melting point/Melting range:	Undetermined.
· Boiling point/Boiling range:	Not applicable.
· Auto-ignition temperature:	Not determined.
· Flash point	< 0 °C (< 32 °F)
· Decomposition temperature:	Not determined.
· Auto igniting:	Product is not self-igniting.
· Danger of explosion:	Product is not explosive. However, formation of explosive air/ vapor mixtures are possible.

· **Explosion limits:**

· Lower:	Not determined.
· Upper:	Not determined.

· Vapor pressure at 21 °C (70 °F):	~ 8000 hPa.
· Density at 21 °C (70 °F):	~ 0.87 g/cm ³
· Relative density:	Not determined.
· Vapor density:	> 1 (Air=1)

· **Evaporation rate**

Not applicable.

· **Solubility in / Miscibility with**

· Water:	miscible.
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· **Partition coefficient (n-octanol/water):**

Not determined.

· **Viscosity:**

· Dynamic:	Not determined.
· Kinematic:	Not determined.

· **Solvent content:**

· VOC content:	>80%
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9.2 Other information:

No further relevant information available.

10 Stability and reactivity

10.1 Reactivity

10.2 Chemical stability

- **Thermal decomposition / conditions to be avoided:**

No decomposition if used and stored according to specifications.

Danger of receptacles bursting because of high vapor pressure if heated.

10.3 Possibility of hazardous reactions

Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomized.

Extremely flammable aerosol.

Toxic fumes may be released if heated above the decomposition point.

Danger of receptacles bursting because of high vapor pressure if heated.

10.4 Conditions to avoid

Keep away from heat and direct sunlight.

Keep ignition sources away

Do not smoke.

Store away from oxidizing agents.

10.5 Incompatible materials:

Incompatible with strong oxidizing agents; bases; strong caustics; strong acids; oxygen; nitrogen peroxide.

10.6 Hazardous decomposition products:

Decomposition may produce carbon monoxide and carbon dioxide, hydrogen chloride, and chlorine gas.

11 Toxicological information

- **Information on toxicological effects**

- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

Acetone		
Oral	LD50	5800 mg/kg (rat)
Dermal	LD50	20000 mg/kg (rabbit)
Xylene		
Oral	LD50	4300 mg/kg (rat)
Dermal	LD50	2000 mg/kg (rabbit)
n-Butyl Acetate		
Oral	LD50	250 mg/kg (rat)
Dermal	LD50	220 mg/kg (rabbit)
Ethyl Acetate		
Oral	LD50	> 5000 mg/kg (rat)
Dermal	LD50	> 18 g/kg (rabbit)
2-Butoxyethanol		
Oral	LD50	>300 - ≤ 2000 mg/kg (rat)
Dermal	LD50	>50 - ≤ 200 mg/kg (rabbit)
Propane + Butane		
Oral	LD50	226 mg/kg (rat)
Dermal	LD50	682 mg/kg (rat)
Inhalative	LC50/4h	2770 ppm (mouse)

- **Primary irritant effect:**

- **On the skin:** Irritant to skin and mucous membranes.

- **On the eye:** Moderate irritant effect on eyes.

- **On the respiratory :** Irritant to respiratory system.

- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant
Inhalation of concentrated vapors as well as oral intake will lead to anaesthesia-like conditions and headache, dizziness, etc.
Vapours have narcotic effect.

12 Ecological information Toxicity

12.1 Toxicity

- **Aquatic toxicity:**

1330-20-7 xylene, mixture of isomers	
EC50 (24h)	> 175 mg/l (bacteria)
EC50/48h	3.82 mg/l (daphnia magna/Wasserfloh)
EC50/72h	4.7 mg/l (Pseudokirchneriella subcapitata)
LC50/96h	7.6 mg/l (oncorhynchus mykiss / Regenbogenforelle)

12.2 Persistence and degradability No further relevant information available.

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

- **Additional ecological information:**

- **General notes:**

Avoid transfer into the environment.
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.

12.5 Results of PBT and vPvB assessment

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

12.6 Other adverse effects No further relevant information available.

13 Disposal considerations

13.1 Waste treatment methods

- **Recommendation:**

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual materials should be treated as hazardous.

- **Uncleaned packagings:**

- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

14.1 UN-Number

- **DOT, ADR, IMDG, IATA** UN1950

14.2 UN proper shipping name



Limited Quantity for packages less than 30 kg (66 lb) and inner packagings less than 1 L (0.3gal).

· DOT	Aerosols, flammable
· ADR	1950 AEROSLS, flammable
· IMDG	AEROSOLS
· IATA	AEROSOLS, flammable

· DOT



· Class	2.1
· Label	2.1

· ADR



· Class	2.5 F Gases
· Label	2.1

· IMDG



· Class	2 Gases
· Label	2.1

· IATA



· Class	2.1
· Label	2.1

· Packing group

· DOT, ADR, IMDG, IATA II

· Environmental hazards:

· Marine pollutant: No

· Special precautions for user

Transport/Additional information: Warning : Gases

15 Regulatory information

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

This product has been classified in accordance with hazard criteria of the controlled products

Regulations and the SDS contains all the information required by the controlled products regulations.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

- This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

"The information contained herein has been obtained as the result of testing and development work carried out by us. However, this product can be put to numerous uses under widely varying circumstances and conditions and accordingly we do not guarantee the accuracy of the contents of the statements contained herein, and in particular, we do not warrant that this product is suitable for any particular use. We shall not be liable in any way whatsoever to any person who relies upon the statements contained herein without taking sufficient steps to ensure in advance that the product is suitable for this particular purpose, production, conditions and/or use"