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Reviewed on:	STONE GUARD BLACK	Version: 1.0

1. Section 1. Identification of the substance/mixture and of the company/undertaking:

- 1.1. Product identifier: **STONE GUARD BLACK – 1 35073**
- 1.2. Relevant identified uses of the substance or mixture and uses advised against:
Paint
For professional and industrial use only.
- 1.3. Details of the supplier of the safety data sheet:
Identification of manufacturer/Supplier:
RETECH, s.r.o.
Vackova 1541/4
150 00 Praha-5 Stodůlky
Telephone/Fax: +420 327 596 128, +420 327 596 428
Information: info@retech.cz
- 1.4. Emergency telephone number: RETECH Suchdol 212, Suchdol u Kutné Hory
Tel.+420 327 596 128 (7.30-16.00 hour)
Toxicology information number, Na bojišti 1, 128 08 PRAHA 2
Tel. +420 224 919 293, +420 224 915 402 (24 hours a day)

2. Section 2. Hazard identification:

- 2.1. Classification of the substance or mixture:
Classification according to Regulation (EC) No 1272/2008 [CLP]:
Flam. Aerosol 1 H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.
Eye Irrit. 2 H319 Causes serious eye irritation.
STOT SE 3 H336 May cause drowsiness or dizziness.
- Classification according to Directive 67/548/EEC or Directive 1999/45/EC:
F+ Extremely flammable R12 Extremely flammable.
Xi Irritant R36 Irritating to eyes.
- R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.

- 2.2. Label elements:
Labelling according to Regulation (EC) No 1272/2008 [CLP]:



Signal word: Danger

Hazard statements:

H222 Extremely flammable aerosol.
H229 Pressurised container: May burst if heated.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

Precautionary statements:

P102 Keep out of reach of children.
P260 Do not breathe spray.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P251 Do not pierce or burn, even after use.
P211 Do not spray on an open flame or other ignition source.
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
P501 Dispose of contents/container in accordance with national regulation.

Supplemental Hazard information:

EUH066 Repeated exposure may cause skin dryness or cracking.

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Contained dangerous substances:
141-78-6 Ethyl acetate

2.3. Other hazards:

Results of PBT and vPvB assessment:
PBT: Not applicable
vPvB: Not applicable

3. Section 3. Composition/information on ingredients:

3.2. Mixtures:

Description of the mixture: Mixture of active agents with propellant

Hazardous ingredients:

CAS: 141-78-6 EINECS: 205-500-4 Index nr.: 607-022-00-5 Reg.nr.: 01-2119475103-46	Ethyl acetate F R11; Xi R36; R66; R67 Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	25-50 %
CAS: 78-93-3 EINECS: 201-159-0 Index nr.: 606-002-00-3 Reg.nr.: 01-2119457290-43	Butanone F R11; Xi R36; R66; R67 Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	12.5-20 %
CAS: 74-98-6 EINECS: 200-827-9 Index nr.: 601-003-00-5 Reg.nr.: 01-2119486944-21	Propane F+ R12 Flam. Gas 1, H220; Press. Gas, H280	12.5-20 %
CAS: 123-86-4 EINECS: 204-658-1 Index nr.: 607-025-00-1 Reg.nr.: 01-2119485493-29	n-Butyl acetate R10; R66; R67 Flam. Liq. 3, H226; STOT SE 3, H336	5-10 %
CAS: 106-97-8 EINECS: 203-448-7 Index nr.: 601-004-00-0 Reg.nr.: 01-2119474691-32	Butane (containing <0.1 % butadiene (203-450-8)) F+ R12 Flam. Gas 1, H220; Press. Gas, H280	5-10 %
CAS: 75-28-5 EINECS: 200-857-2 Index nr.: 601-004-00-0	Isobutane (containing <0.1 % butadiene (203-450-8)) F+ R12 Flam. Gas 1, H220; Press. Gas, H280	5-10 %

For full text of H-statements and R-phrases: see SECTION 16.

4. Section 4. First aid measures:

4.1. Description of first aid measures:

After inhalation: Supply fresh air. Get medical attention if any discomfort continues.
After skin contact: Wash with water and soap and rinse thoroughly.
Generally the product does not irritate the skin.
After eye contact: Rinse eyes for several minutes under running water, holding the eyelid open.
Get medical attention if any discomfort continues.
After swallowing: Do not induce vomiting.
Rinse mouth with plenty of water and drink large amount of water.
Get prompt medical attention.

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

No further relevant information available.

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

No further relevant information available.

5. Section 5. Fire fighting measures:

5.1. Extinguishing media:

Suitable extinguishing agents: Water haze, carbon dioxide, fire-extinguishing powder.
Fight larger fires with water spray or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents:

Water with full jet.

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- 5.2. Special hazards arising from the substance or mixture:
No further relevant information available.
- 5.3. Advice for firefighters:
Wear protective clothing and self-contained breathing apparatus.

6. Section 6. Accidental release measures:

- 6.1. Personal precautions, protective equipment and emergency procedures:
Wear protective equipment see Section 8.2
Ensure adequate ventilation.
Keep away from source of ignition.
- 6.2. Environmental precautions:
Do not allow to enter sewage system, surface or ground water.
Inform respective authorities in case of seepage into water course or sewage system.
- 6.3. Methods and material for containment and cleaning up:
Ensure adequate ventilation.
Dispose contaminated material as waste according to Section 13.
- 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. Section 7. Handling and storage:

- 7.1. Precautions for safe handling: Ensure good ventilation/exhaustion at the workplace.
Measures to prevent fire: Do not spray onto a naked flame or any incandescent material.
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C, i.e. electric lights. Do not pierce or burn, even after use.
- 7.2. Conditions for safe storage including any incompatibilities:
Technical measures and storage conditions:
Observe official regulations on storing packagings with pressurized containers.
Requirements for storage rooms and vessels:
Store in a cool location.
Observe official regulations on storing packagings with pressurized containers.
Further information on storage conditions:
Protect from heat and direct sunlight.
- 7.3. Specific end use(s):
No further relevant information available.

8. Section 8. Exposure controls/personal protection:

- 8.1. Control parameters:
Components with limit values that require monitoring at the workplace:

WEL (UK): EH40/2005

CAS	Substance	Long-term (8-hr TWA ref. period)		Short-term (15 minute ref. period)		Comments
		ppm	mg/m ³	ppm	mg/m ³	
78-93-3	Butanone	200	600	300	899	Sk, BMGV
123-86-4	n-Butyl acetate	150	724	200	966	-
106-97-8	Butane	600	1450	750	1810	Carc, (only applies if Butane contains more than 0.1 % of buta-1,3-diene)

OEL (EU): 2000/39/EG, 2006/15/EG, 2009/161/EG

CAS	Name of agent	Eight hours		Short-term		Notation
		mg/m ³	ppm	mg/m ³	ppm	
78-93-3	Butanone	600	200	900	300	-

Additional information: The lists that were valid during the compilation were as basis.

- 8.2. Exposure controls:
Personal protection equipment:
Breathing equipment: Not required, but ensure good ventilation/exhaustion at the workplace.
Eye protection: Tightly sealed goggles

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Protection of hands: Protective gloves
The glove material must be impermeable and resistant against the product/ substance/ preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
The final selection of the glove material must be carried out on the basis of penetration times, permeation rates and degradation.

Protection of skin: Protective suit.

General protective and hygienic measures:
Keep away from foodstuffs, beverages and feed.
Remove all soiled and contaminated clothing.
Do not inhale gases/ fumes/ aerosols.
Wash hands before breaks and at the end of work.
Avoid eye and skin contact.

9. Section 9. Physical and chemical properties:

9.1. Information on basic physical and chemical properties:

Appearance:

Form: Aerosol
Colour: Black
Odour: Characteristic (solvent-like)
Odour threshold: Not determined
Value pH at 20 °C: Not determined
Melting point/freezing point: Not determined
Initial boiling point/boiling range: Not applicable, as aerosol.
Flash point: < 0°C
Not applicable, as aerosol.

Evaporation rate: Not applicable
Flammability (solid, gas): Not applicable
Explosive properties: The product is not explosive. However, formation of explosive air/steam mixtures is possible.

Explosive limits:
- lower: 1.7 Vol %
- upper: 11.5 Vol %

Vapour pressure at 20°C: 3500 hPa
Vapour density at 20 °C: Not determined
Density at 20°C: 0,792 g/cm³
Relative density: Not determined
Solubility in/miscibility with:
- water: Not miscible or difficult to mix.

Partition coefficient (n-octanol/water): Not determined
Ignition temperature: 365 °C
Decomposition temperature: Not determined
Self-igniting: The product is not selfigniting.
Viscosity: Not determined
Oxidising properties: Not determined

9.2. Other information:

VOC: 711.1 g/l
Organic solvent: 89.8 %

10. Section 10. Stability and reactivity:

10.1. Reactivity: No further relevant information available.
10.2. Chemical stability: No decomposition if used according to specifications.
10.3. Possibility of hazardous reactions: No dangerous reactions known.
10.4. Conditions to avoid: No further relevant information available.
10.5. Incompatible materials: No further relevant information available.

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10.6. Hazardous decomposition products:
No dangerous decomposition products known.

11. Section 11. Toxicological information:

11.1. Information on toxicological effects:

Acute toxicity:

LD/LC50 values relevant for classification:

CAS		LD50 Oral mg/kg	LD50 Dermal mg/kg	LC50 Inhalative mg/m ³ /4h
141-78-6	Ethyl acetate	5620 rabbit	>18000 rabbit	1600 rat
78-93-3	Butanone	2737 rat	6480 rabbit	34 rat
123-86-4	n-Butyl acetate	10770 rat	>17600 rabbit	21 rat
106-97-8	Butane			658000 rat

Irritation: Skin: No irritating effect.
Eyes: Irritating effect.

Corrosivity: Not corrosive.

Sensitization: No sensitizing effect known.

Repeated dose toxicity: No further relevant information available.

Carcinogenicity: No further relevant information available.

Mutagenicity: No further relevant information available.

Toxicity for reproduction: No further relevant information available.

Other information: Vapours have a narcotic effect.

12. Section 12. Ecological information:

12.1. Toxicity:

Aquatic toxicity:

141-78-6 Ethyl acetate
EC50/24h 2500 mg/l (Daphnia magna)

123-86-4 n-Butyl acetate
EC50/48h 44 mg/l (Daphnia magna)

EC50/96h 320 mg/l (Algae)

LC50/24h 205 mg/l (Daphnia magna)

LC50/96h 18 mg/l (Pimephales promelas)

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.

Ecotoxic effects:

Additional ecological information:

General notes: Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow to enter water courses, ground water or drains in undiluted and/or large quantities.

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. Section 13. Disposal considerations:

13.1. Waste treatment methods:

Product: Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Dispose in a safe manner in accordance with local/national regulation.

Uncleaned packagings: Disposal must be made according to official regulations.




14. Section 14. Transport information:

14.1. UN number:

ADR, IMDG, IATA UN1950

14.2. UN proper shipping name:

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ADR	UN1950, AEROSOLS
IMDG	AEROSOLS
IATA	AEROSOLS, flammable
14.3. Transport hazard class(es):	
ADR	
Class	2 5F Gases
Hazard label	2.1
IMDG	
Class	2.1
Hazard label	2.1
ICAO	
Class	2.1
Hazard label	2.1
14.4. Packing group:	
ADR, IMDG, IATA	Void
14.5. Environmental hazards:	
Marine pollutant:	No
14.6. Special precautions for user:	Warning: Gases
Danger Code (Kemler):	-
EMS Number:	F-D, S-U
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	Not applicable
Transport/ Additional information:	
ADR	
Limited quantities (LQ)	1L
Transport category	2
Tunnel restriction code	D
UN "Model Regulation":	UN1950, AEROSOLS, 2.1

15. Section 15. Regulatory information:
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture:
Used legislation: Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), as amended Directive 67/548/EEC and Directive 1999/45/EC on the approximation of laws, regulations and administrative provisions relating to the classification, packaging and labelling of dangerous substances, as amended Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures (CLP), as amended Regulation (EC) No 648/2004 of the European Parliament and of the Council on detergents, as amended
15.2. Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16. Section 16. Other information:
These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.)
Relevant R-phrases and H-statements (Section 3): R10 Flammable. R11 Highly flammable. R12 Extremely flammable. R36 Irritating to eyes. R66 Repeated exposure may cause skin dryness or cracking.

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R67 Vapours may cause drowsiness and dizziness.
H220 Extremely flammable gas.
H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H280 Contains gas under pressure; may explode if heated.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

Abbreviations and acronyms:

ADR Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG International Maritime Code for Dangerous Goods
IATA International Air Transport Association
ICAO International Civil Aviation Organization
GHS Globally Harmonized System of Classification and Labelling of Chemicals
EINECS European Inventory of Existing Commercial Chemical Substances
CAS Chemical Abstracts Service (division of the American Chemical Society)
OEL Occupational Exposure Limit
WEL Workplace exposure limits
BMGV Biological monitoring guidance values
STEL Short-term exposure limit
TWA Time-Weighted Average
EC50 Effective concentration, 50 percent
LC50 Lethal concentration, 50 percent
LD50 Lethal dose, 50 percent
DNEL Derived No-Effect Level
PNEC Predicted No-Effect Concentration
LOEC Lowest Observed Effect Concentration
NOEC No Observed Effect Concentration
PBT Persistent Bioaccumulative Toxic
vPvB Very Persistent, Very Bioaccumulative
VOC Volatile Organic Compounds
MAL-Code Måleteknisk Arbejdshygiejnisk Luftbehov (Regulation for the labeling concerning inhalation hazards, Denmark)

The product is labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

***Compared to the last version the data has been changed.**