



HEALTH AND SAFETY PRODUCT INFORMATION

Product: Stonechip (black/grey/white)

Date: 4th May 2009

Product code: 472514/472521/472538

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1.

Company's Name and Address

INDASA Abrasives (UK) Limited, Viking Works, Greenstead Road, Colchester Essex
CO1 2ST Tel : 01206 870366 Fax : 01206 860525 Email : office@indasa.co.uk

2.

Composition/Information on ingredients

· **Chemical characterization**

· **Description:** Active substance with propellant

· **Dangerous components:**

CAS: 64742-49-0

EINECS: 265-151-9

Naphtha (petroleum), hydrotreated light Xn, F, N; R 11-38-51/53-65-67 25-50%

CAS: 74-98-6

EINECS: 200-827-9

propane F+; R 12 10-25%

CAS: 78-93-3

EINECS: 201-159-0

butanone Xi, F; R 11-36-66-67 10-25%

CAS: 107-98-2

EINECS: 203-539-1

1-methoxy-2-propanol R 10 2.5-10%

CAS: 108-88-3

EINECS: 203-625-9

toluene Xn, F; R 11-38-48/20-63-65-67 1.0-2.5%

CAS: 67-56-1

EINECS: 200-659-6

methanol T, F; R 11-23/24/25-39/23/24/25 0.1-1.0%

3.

Hazards identification

· **Hazard description:**

Xi Irritant

F+ Extremely flammable

N Dangerous for the environment

· **Information concerning particular hazards for human and environment:**

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

Warning! Pressurized container.

Has a narcotising effect.

R 12 Extremely flammable.

R 38 Irritating to skin.

R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
 R 67 Vapours may cause drowsiness and dizziness.
 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 naked flame or any incandescent material. Keep away from sources of ignition - No smoking.
 Buildup of explosive mixtures possible without sufficient ventilation.
 · **Classification system:**
 The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

4.

First-Aid measures

· **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.
 · **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
 · **After eye contact:** Rinse opened eye for several minutes under running water.
 · **After swallowing:** Do not induce vomiting; call for medical help immediately.

5.

Fire-Fighting measures

Extinguishing media

Use	CO₂, powder or water spray. Fire extinguishing powder. Fight larger fires with water spray or alcohol resistant foam.
Don't use	Water with full jet

Protective equipment: Mount respiratory protective device.

6.

Accidental release measures

Personal precautions

Ensure adequate ventilation. Wear protective equipment. Keep unprotected persons away.

Environmental precautions

Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/surface or ground water

Methods for cleaning-up

Take up spills with dry chemical absorbents or sand and remove as chemical waste

7.

Handling and storage

· **Information for safe handling:**

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

· **Information about fire - and explosion protection:**

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.

· **Storage:**

· **Requirements to be met by storerooms and receptacles:**

Store in a cool location.

Observe official regulations on storing packagings with pressurized containers.

· **Information about storage in one common storage facility:** Not required.

· **Further information about storage conditions:**

Keep receptacle tightly sealed.

Do not seal receptacle gas tight.

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

8.

Exposure controls/personal protection

Ingredients with limit values that require monitoring at the workplace:

74-98-6 propane

WEL Long-term value: 1800 mg/m³, 1000 ppm
Asphyxiant

78-93-3 butanone

WEL Short-term value: 899 mg/m³, 300 ppm
Long-term value: 600 mg/m³, 200 ppm
IOELV, Sk, Bmgv

107-98-2 1-methoxy-2-propanol

WEL Short-term value: 560 mg/m³, 150 ppm
Long-term value: 375 mg/m³, 100 ppm
New, IOELV, Sk

108-88-3 toluene

WEL Short-term value: 574 mg/m³, 150 ppm
Long-term value: 191 mg/m³, 50 ppm
Sk

67-56-1 methanol

WEL Short-term value: 333 mg/m³, 250 ppm
Long-term value: 266 mg/m³, 200 ppm
Sk, ILV

· **Additional information:** The lists valid during the making were used as basis.

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the skin.

Avoid contact with the eyes and skin.

· **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Use suitable respiratory protective device in case of insufficient ventilation.

· **Protection of hands:**

Protective gloves

Solvent resistant gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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 trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Tightly sealed goggles

Body protection:

Use protective suit

9.

Physical and chemical properties
<p>· General Information Form: Aerosol Colour: According to product specification Odour: Characteristic</p> <p>· Change in condition Melting point/Melting range: Undetermined. Boiling point/Boiling range: -44°C</p> <p>· Flash point: -97°C · Ignition temperature: 200.0°C · Self-igniting: Product is not selfigniting. · Danger of explosion: Product is not explosive. However, formation of explosive air/vapour mixtures are possible.</p> <p>· Explosion limits: Lower: 0.8 Vol % Upper: 11.5 Vol %</p> <p>· Vapour pressure at 20°C: 8300.0 hPa · Density at 20°C: 0.78 g/cm³ · Solubility in / Miscibility with water: Not miscible or difficult to mix.</p> <p>· Solvent content: Organic solvents: 74.0 % VOC content 296 g/aerosol</p>

10.

Stability and reactivity	
Conditions to avoid	No decomposition if used according to specifications
Dangerous reactions	No dangerous reaction sknown
Hazardous decomposition products	No dangerous decomposition products known

11.

Toxicological information
<p>· Acute toxicity: · LD/LC50 values relevant for classification: 78-93-3 butanone Oral LD50 3300 mg/kg (rat) Dermal LD50 5000 mg/kg (rbt)</p> <p>108-88-3 toluene Oral LD50 5000 mg/kg (rat) Dermal LD50 12124 mg/kg (rab)</p> <p>Inhalative LC50/4 h 5320 mg/l (mus)</p> <p>· Primary irritant effect: · on the skin: Irritant to skin and mucous membranes. · on the eye: No irritating effect. · Sensitization: No sensitizing effects known. · Additional toxicological information: The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version: Irritant</p>

12.

Ecological information
<p>Ecotoxicological effects:</p> <ul style="list-style-type: none"> · Remark: Toxic for fish · General notes: Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water 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. Also poisonous for fish and plankton in water bodies. Toxic for aquatic organisms

13.

Disposal considerations
<ul style="list-style-type: none"> · Recommendation Must not be disposed together with household garbage. Do not allow product to reach sewage system. · European waste catalogue 08 02 99 wastes not otherwise specified · Uncleaned packaging: · Recommendation: Disposal must be made according to official regulations.

14.

Transport information			
Land transport ADR/RID (cross-border)		Maritime transport IMDG:	
ADR/RID class:	2.5F Gases	IMDG Class:	2.1
Danger code (Kemler):	23	UN Number:	1950
UN-Number:	1950	Label:	2.1
Packaging group:		Packaging group:	
Hazard label	2.1	EMS Number:	F-D,S-U
Description of goods:	1950 Aerosols	Marine pollutant:	No
		Proper shipping name:	Aerosols
Air transport ICAO-T1 and IATA-DGR			
ICA/IATA Class:	2.1	Packaging group:	
UN/ID Number:	1950	Proper shipping name:	Aerosols, flammable
Label	2.1		

15.

Regulatory information
<p>Labelling according to EU guidelines:</p> <p>The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.</p> <p>· Code letter and hazard designation of product:</p> <p>Xi Irritant F+ Extremely flammable N Dangerous for the environment</p>

· **Risk phrases:**

12 Extremely flammable.

38 Irritating to skin.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

67 Vapours may cause drowsiness and dizziness.

· **Safety phrases:**

2 Keep out of the reach of children.

23 Do not breathe fumes/aerosol.

24 Avoid contact with skin.

46 If swallowed, seek medical advice immediately and show this container or label.

51 Use only in well-ventilated areas.

· **Special labelling of certain preparations:**

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 naked flame or any incandescent material. Keep away from sources of ignition - No smoking.

Buildup of explosive mixtures possible without sufficient ventilation.

· **National regulations:**

· **Technical instructions (air):**

Class Share in %

I 0,1-1,0

NK 50-100

· **Waterhazard class:** Water hazard class 2 (Self-assessment): hazardous for water.

· **VOC-CH** 73.99 %

· **VOC-EU** 578.6 g/l

· **Danish MAL Code** 5-3

16.

Other information

Creation date	04.05.09	Production Management
Replace sheet of	05.01.09	Phill Blowers

This leaflet is for general guidance only and may contain inappropriate information under particular conditions. Samples will be provided on request to enable customers to satisfy themselves as to the suitability of the product for any specific purpose and to assess the product under their own working conditions.