




STONECHIP (Code 7400.10090 Black 1ltr, 7400.10091 White 1ltr, 7400.10092 Grey 1ltr)

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

- **Product identifier**
- **Trade name: STONECHIP**
- **Relevant identified uses of the substance or mixture and uses advised against:** Not determined
- **Application of the substance / the preparation:** Anticorrosion additive, sealant
- **Details of the supplier of the safety data sheet**
- **Manufacturer / Supplier:**
Abcon Industrial Products Ltd
Cavmac Hose Building, Cavan Road, Cootehill, Co Cavan
Phone: +353 49 5552340 Fax: +353 49 5552312 sales@abconireland.com
- **Further information obtainable from:**
sales@abconireland.com
- **Emergency telephone number:**
Phone: +353 49 5552340

2. Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Directive 67/548/EEC**
-  **F Highly flammable**
R 11 Highly flammable
-  **Xn Harmful**
R 63 Possible risk of harm to the unborn child.
R 48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation
-  **Xi Irritant**
R 38 Irritating to skin

R 67 Vapours may cause drowsiness and dizziness

- **Information concerning particular hazards for human and environmental:**
Vapours of product are heavier than air and may accumulate on the ground, in mines, drains or cellars with higher concentration. Heightened risk of fire and danger of explosion at accumulation in lower-lying or closed rooms. Has a narcotizing effect. 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.

- **Label elements**
- **Labelling according to EU guidelines:**
The product has been classified and marked in accordance with EU Directives/ Ordinance on Hazardous Materials

- **Code letter and hazard designation of product:**



F Highly flammable



Xn Harmful

- **Risk phrases:**
R 63 Possible risk of harm to the unborn child.
R 38 Irritating to skin.
R 48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R 67 Vapours may cause drowsiness and dizziness.

- **Safety phrases:**
S 16 Keep away from sources of ignition - No smoking.

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- S 23 Do not breathe fumes/aerosol.
 S 36/37 Wear suitable protective clothing and gloves.
 S 51 Use only in well-ventilated areas.

Contains: toluene

- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3. Composition / information on ingredients

- **Chemical characterization: Mixtures**
- **Description:**
Mixture of substance listed below with nonhazardous additions.

Dangerous components:		
CAS: 108-88-3 EINECS: 203-625-9	toluene F, Xn, Xi; R 11-38-48/20-63-65-67 Repr. Kat. 3; Flam. Liq. 2, H225; Repr. 2, H361d; STOT RE 2, H373; Asp. Tox. 1, H304; Skin Irrit. 2, H315; STOT SE 3, H336	25-50 %
EINECS: 265-199-0	solvent naphtha (petroleum), light arom. Xn, Xi, N; R 10-37-51/53-65-66-67 Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H335+H336	1-<2,5 %

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

4. First aid measures

- **Description of first aid measures**
- **General information:**
Personal protection for the First Aider. Take affected persons out of danger area and lay down. In case of irregular breathing or respiratory arrest provide artificial respiration. Immediately remove any clothing soiled by the product. Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- **After inhalation:**
Supply fresh air or oxygen, call for doctor. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. 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:**
Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:**
Do not induce vomiting; call for medical immediately.
- **Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5. Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet.
- **Special hazards arising from the substance or mixture**
During heating or in case of fire poisonous gases are produced.
Can form explosive gas-air mixtures.
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective devices. Wear full protective suit. Do not inhale explosion gases or combustion gases.

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- **Additional information:**

Cool endangered receptacles with water spray.

Remove undamaged containers from the danger zone.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulation.

6. Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**

- **Person-related safety precautions:**

Wear protective equipment. Keep unprotected person away. Ensure adequate ventilation. Keep away from ignition sources. Use respiratory protective device against the effects of fumes/dust/aerosol. Avoid contact with the eyes and skin.

- **Environmental precautions**

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

- **Methods and material for containment and cleaning up**

Ensure adequate ventilation. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Do not flush with water or aqueous cleansing agents. Dispose contaminated material as waste according to item 13.

- **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

- **Precautions for safe handling**

Keep receptacles tightly sealed. Prevent formation of aerosols. Do not inhale gases / fumes / aerosols. Ensure good ventilation/exhaustion at the workplace. Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air). Avoid contact with the eyes and skin.

- **Information about fire- and explosion protector:**

Vapours of the product are heavier than air and may accumulate on the ground, in mines, drains or cellars with higher concentration. Fumes can combine with air to form an explosive mixture. Fumes can combine with air to form an explosive mixture. Keep ignition sources away – Do not smoke. Use explosion-proof apparatus / fittings and spark-proof tools. Protect against electrostatic charges.

- **Conditions for safe storage, including any incompatibilities**

- **Storage:**

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

Store only in original receptacle. Adhere to the provisions of the Low on Water Protection.

- **Information about storage in use common storage facility:**

Keep away from foodstuffs, beverages and feed.

- **Further information about storage conditions:**

Store in cool, dry conditions in well sealed receptacles. Protect from heat and direct sunlight. Store receptacle in a well ventilated areas. Protect from humidity and water. Keep ignition sources away - Do not smoke.

- **Specific end use(s)**

No further relevant information available.

8. Exposure controls / personal protection

- **Additional information about design of technical facilities.** No further data: see item 7

- **Control parameters**

Ingredients with limit values that require monitoring at the workplace:

108-88-3 toluene

WEL (Great Britain)	Short-term value: 384 mg/m ³ , 100 ppm Long-term value: 191 mg/m ³ , 50 ppm Sk
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- **Additional information:** The lists valid during the making were used as basis.

- **Exposure controls**

- **Personal protective equipment:**

- **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed. Immediacy remove all soiled and contaminated clothing. Do not eat, drink, smoke or sniff while working. Do not inhale gases/ fumes/ aerosols. Avoid contact with the eyes. Avoid close or long term contact with the

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skin. Use skin protection cream for skin protection. Wash hands before breaks and at and the end of work.

- **Respiratory protection:**

Adhere to the workplace limit values and / or other threshold values. In case of brief exposure or low pollution use respiratory filter device. In case of intensive or larger exposures use self-contained respiratory protection device. Filter A/P2.

- **Protection of hands:**

To avoid skin problems reduce the wearing of gloves to the required minimum. Check the permeability prior to each renewed use of the 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. Wear suitable gloves tested to EN 374.

- **Material of gloves:**

Fluorocarbon rubber (Viton)

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 cannot 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:** Tightly sealed goggles

- **Body protection:** Protective work clothing.

9. Physical and chemical properties

- **Information on basic physical and chemical properties**

- **Appearance**

Form: Highly viscous
Color: Different according to colouring

- **Odour**

Aromatic

- **Odour threshold**

Undetermined

- **pH**

Undetermined

- **Melting point/ freezing point**

Undetermined

- **Initial boiling point and boiling range** 111 °C.

- **Flash point**

4 °C

- **Evaporation rate**

Undetermined

- **Flammability**

The mixture is highly flammable

- **Upper/lower flammability or explosive limits**

Lower: 1,3 VOL %

Upper: 7,0 VOL %

- **Vapour pressure**

29 hPa at 20 °C

- **Vapour density**

Undetermined

- **Relative density**

1,2

- **Solubility(ies)**

Not miscible or difficult to mix in water.

- **Partition coefficient: n-octanol/water** Undetermined

- **Auto-ignition temperature**

Undetermined

- **Decomposition temperature**

Undetermined

- **Viscosity**

4250 mPas (dynamic at 20 °C)

- **Explosive properties**

Product is not explosive. However, formation of explosive air/ vapour mixtures is possible

- **Oxidising properties**

Undetermined

- **Other information**

No further relevant information available.

10. Stability and reactivity

- **Reactivity**

No reactivity if used according to specifications.

- **Chemical stability**

Stable under normal conditions of use and storage.

- **Possibility of hazardous reactions**

No further relevant information available.

- **Conditions to avoid**

No further relevant information available.

- **Incompatible materials**

No further relevant information available.

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- **Hazardous decomposition products**

Formation of toxic gases is possible during heating or in case of fire.

11. Toxicological information

- **Information on toxicological effects**

- **Acute toxicity:**

LD/ LC50 values relevant for classification:		
Toluene		
Oral	LD50	5000 mg/kg (rat)
Dermal	LD50	12124 mg/kg (rab)
Inhalative	LC50/ 4h	28,1 mg/m ³ (rat)
Solvent naphtha (petroleum), light arom.		
Oral	LD50	3592 mg/kg (rat)
Dermal	LD50	> 2000 mg/kg (rabbit)
Inhalative	LC50/ 4h	>10.2 mg/l (rat)

- **Primary irritant effect:**

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

- **On the eye:** No irritating effect.

- **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

- **Sensitization:** No sensitizing effects known.

12. Ecological information

- **Toxicity**

Acquatic toxicity:	
108-88-3 toluene	
EC50/48h	11,5 mg/l (daphnia)
LC50/96h	24 mg/l (oncorhynchus mykiss)
Solvent naphtha (petroleum), light arom.	
EC50/24h	150 mg/l (daphnia magna)
EC50/48h	7.4 mg/l (daphnia magna)
LC50/96h	3.77 mg/l (fish)

- **Persistence and degradability**

No further relevant information available.

- **Bioaccumulative potential**

Octanol-water partition coefficient (Kow)

No further relevant information available.

- **Mobility in soil**

No further relevant information available.

- **Results of PBT and vPvB assessment**

PBT: Not applicable.

vPvB: Not applicable.

- **Other adverse effects**

No further relevant information available.

13. Disposal considerations

- **Waste treatment methods**

- **Recommendation**

Must not to disposal together with household garbage. Do not allow product to reach sewage system. Disposal was be made according to official regulations.

European waste catalogue	
08 01 11*	waste paint and varnish containing organic solvents or other dangerous substances

- **Uncleaned packaging**

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

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14. Transport information

- **UN-Number:** 1139
- **UN proper shipping name:** 1139 COATING SOLUTION
- **Transport hazard class(es):** 3
- **Packaging group:** II
- **Hazard label:** 3
- **Environmental hazards:** Yes. Marking for environmentally hazardous substances in accordance with 5.2.1.8 (ADR) with the exemption of packagings have a quantity 5 l or less.
- **Special precautions for user:**
Warning: Flammable liquids. Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of accident or spillage.
- **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** Not applicable.

15. Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **National regulations:**
- **Information about limitation of use:**
Employment restrictions concerning juveniles must be observed
Employment restrictions concerning pregnant and lactating women must be observed.
- **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.

- **Relevant R-phrases:**
R 10 Flammable.
R 11 Highly flammable.
R 37 Irritating to respiratory system.
R 38 Irritating to skin.
R 48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R 63 Possible risk of harm to the unborn child.
R 65 Harmful: may cause lung damage if swallowed.
R 66 Repeated exposure may cause skin dryness or cracking.
R 67 Vapours may cause drowsiness and dizziness.

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- H 225 Highly flammable liquid and vapour.
 - H 226 Flammable liquid and vapour.
 - H 304 May be fatal if swallowed and enters airways.
 - H 315 Causes skin irritation.
 - H 335 May cause respiratory irritation.
 - H 336 May cause drowsiness or dizziness.
 - H 361d Suspected of damaging the unborn child.
 - H 373 May cause damage to organs through prolonged or repeated exposure.
 - H 411 Toxic to aquatic life with long lasting effects.

- **Updated:** General update