

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

- 1.1 Product Identifier**
 Product Name : Filter Cartridge Cleaner
 Datasheet Number : SDS052
 Unique Formula Identifier: CF40-60J5-X005-T315
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
 Product category PC35 Washing and cleaning products (including solvent based products)
 Application of the substance / the mixture Cleaning agent.
 Identified Use(s) Uses advised against Processes involving extreme heat use advised against.
- 1.3 Details of the supplier of the safety data sheet**
 Name of Supplier Plastica Ltd
 Address of Supplier Perimeter House, Napier Road
 St Leonards-on-Sea, East Sussex
 TN38 9NY, United Kingdom
 Telephone +44 (0) 1424 857857
 E-mail (competent person) info@plasticapools.net
- 1.4 Emergency Telephone Number**
 Emergency Phone No 0800 043 0891 (Technical) 24 Hours a day
 0800 043 0892 (Emergency)
 Languages Spoken English
- Members of the public seeking specific information on poisons should contact:
 In England and Wales: NHS 111 - dial 111
 In Scotland: NHS 24 - dial 111

SECTION 2 : Hazards Identification

- 2.1 Classification of the substance or mixture**
Classification according to Regulation (EC) No 1272/2008
 Skin Irrit. 2 H315 Causes skin irritation.
 Eye Irrit. 2 H319 Causes serious eye irritation.
 Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.
- 2.2 Label elements**
 Labelling according to GB-CLP The product is classified and labelled according to the GB CLP regulation
- 
GHS07
- Signal word:** Warning
- Hazard Statements**
 H319 Causes serious eye irritation.
 H412 Harmful to aquatic life with long lasting effects.

2.2 cont..

Precautionary Statements

P260

Do not breathe mist/vapours/spray.

P280

Wear protective gloves / eye protection / face protection.

P302+P352

IF ON SKIN: Wash with plenty of water.

P305+P351+P338

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

P333+P313

If skin irritation or rash occurs: Get medical advice/attention

P337+P313

If eye irritation persists: Get medical advice/attention.

The Detergents (Amendment) (EU Exit) Regulations 2020 / Labelling for contents	
phosphates	≥5 - <15%
cationic surfactants	<5%

2.3 Other hazards

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

SECTION 3 : Composition/Information on Ingredients3.2 **Chemical characterisation:**
Description:

Mixtures

Mixture of substances listed below with nonhazardous additions.

Dangerous components:		
CAS: 7320-34-5 EINECS: 230-785-7 Reg.nr.: 01-2119489369-18-XXXX	Tetrapotassium pyrophosphate	10 – 25%
	 Eye Irrit. 2, H319	
CAS: 67-63-0 EINECS: 200-661-7 Index number: 603-117-00-0 Reg.nr.: 01-2119457558-25-XXXX	Isopropyl alcohol	1 – 2.5%
	 Flam. Liq. 2, H225  Eye Irrit. 2, H319; STOT SE 3, H336	
CAS: 85409-22-9 EC number: 939-350-2 Reg.nr.: 01-2119970550-39-XXXX	Benzyl-C12-14-alkyldimethylammonium chlorides Alternative CAS number: 68424-85-1	1 – < 2.5%
	 Skin Corr. 1B, H314;  Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=1);  Acute Tox. 4, H302	

Additional information:

For the wording of the listed hazard phrases refer to section 16.

SECTION 4 : First Aid Measures4.1 **Description of first aid measures**

General information:

Immediately remove any clothing soiled by the product.

After inhalation:

Supply fresh air; consult doctor in case of complaints.

After skin contact:

Immediately wash with water, soap and rinse thoroughly.

After eye contact:

If skin irritation continues, consult a doctor

Check for and remove any contact lenses.

Rinse opened eye for several minutes under running water.

SECTION 4 : First Aid Measures

- 4.1 cont..
After swallowing: Rinse out mouth and then drink plenty of water.
Do not induce vomiting; call for medical help immediately.
If vomiting occurs spontaneously, keep head below hips to prevent aspiration.
- Information for doctor: Treat symptomatically and supportively.
- 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.

SECTION 5 : Firefighting Measures

- 5.1 **Extinguishing Media :**
Suitable Extinguishing Agents: CO₂, powder or water spray. Fight larger fires with water spray.
Use fire extinguishing methods suitable to surrounding conditions.
- Unsuitable Extinguishing Media: Water with full jet
- 5.2 **Special hazards arising from the substance or mixture :**
In case of fire, the following can be released:
Carbon monoxide and carbon dioxide
Chlorine compounds
Toxic metal oxide smoke
Nitrogen oxides (NO_x)
Phosphorous oxides
- 5.3 **Advice for Firefighters :**
Wear self-contained respiratory protective device.
Do not inhale explosion gases or combustion gases.
Wear fully protective suit.
- Additional Information:**
Cool endangered receptacles with water spray.
Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6 : Accidental Release Measures

- 6.1 **Personal precautions, protective equipment and emergency procedures :**
Ensure adequate ventilation.
Wear protective equipment.
Keep unprotected persons away.
- 6.2 **Environmental Precautions:**
Do not allow to penetrate the ground/soil.
Do not allow to enter sewers / 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:**
Contain and collect spillage with non-combustible, absorbent material e.g.sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.
Ensure adequate ventilation.

- 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.

SECTION 7 : Handling and Storage

- 7.1 Precautions for Safe Handling** Avoid direct contact (skin/eye contact, ingestion and/or inhalation of fume/mist/dust) with the product in the undiluted form.
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
Safety showers and eye wash facilities should be available at the work area.

Information about fire - and explosion protection:

Keep respiratory protective device available.

- 7.2 Conditions for safe storage, including any incompatibilities**
Storage:

Requirements to be met by storerooms and receptacles:

Prevent any seepage into the ground.

Information about storage in one common storage facility:

Do not store together with oxidising and acidic materials.

Further information about storage conditions:

Protect from frost.
Store in cool, dry conditions in well sealed receptacles.

Storage class:

12

- 7.3 Specific end use(s)** No further relevant information available.

SECTION 8 : Exposure Controls/Personal Protection

- 8.1 Control Parameters**

Ingredients with limit values that require monitoring at the workplace:	
CAS: 67-63-0 Isopropyl alcohol	
WEL	Short-term value: 1250 mg/m ³ , 500 ppm Long-term value: 999 mg/m ³ , 400 ppm

DNELs		
CAS: 7320-34-5 Tetrapotassium pyrophosphate		
Inhalative	Long-term systemic effects	4.35 mg/m ³ (general population) 17.63 mg/m ³ (worker)
CAS: 67-63-0 Isopropyl alcohol		
Oral	Long-term systemic effects	26 mg/kg bw/day (general population)
	Short-term systemic effects	51 mg/kg bw/day (general population)
Dermal	Long-term systemic effects	319 mg/kg bw/day (general population)
		888 mg/kg bw/day (worker)
Inhalative	Long-term systemic effects	89 mg/m ³ (general population)
		500 mg/m ³ (worker)
	Short-term systemic effects	178 mg/m ³ (general population)
		1,000 mg/m ³ (worker)

8.1 cont..

CAS: 85409-22-9 Benzyl-C12-14-alkyldimethylammonium chlorides		
Dermal	Long-term systemic effects	3.1 mg/kg bw/day (worker)
Inhalative	Long-term systemic effects	3.06 mg/m ³ (worker)
PNECs		
CAS: 85409-22-9 Benzyl-C12-14-alkyldimethylammonium chlorides		
Freshwater		120 – 420 ng/L
Freshwater - Intermittent releases		160 ng/L
Marine water		12 – 96 ng/L
Marine Water - Intermittent releases		16 – 207 ng/L
Sewage Treatment Plant		160 µg/L
Sediment (freshwater)		31.9 – 68 mg/kg
Sediment (marine water)		3.19 – 15.75 mg/kg
Soil		1.66 – 6.38 mg/kg

Additional information:

The lists valid during the making were used as basis.

8.2

Exposure controls**Appropriate engineering controls:**

No further data; see section 7.

Personal protective equipment:**General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.
 Do not eat, drink while working.
 Take note of assigned Workplace Exposure Limits.
 Keep away from foodstuffs, beverages and feed.
 Immediately remove all soiled and contaminated clothing.
 Do not inhale gases / fumes / aerosols.
 Avoid contact with the eyes and skin.
 Ensure that eyewash stations and safety showers are close to the workstation location.

Respiratory protection:

Use suitable respiratory protective device in case of insufficient ventilation.

Protection of hands:

Protective gloves - Use gloves tested and approved under appropriate government standards such as NIOSH (US) or EN374 (EU)

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.

8.2 cont..

Eye/Face Protection

Safety glasses with side-shields conforming to EN166.

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU)

Body protection:

Body protection must be chosen depending on product properties, activity and possible exposure.

Environmental exposure controls

Do not allow to enter the drains, sewers or watercourses.

Risk management measures

The operators shall be instructed adequately.

SECTION 9 : Physical and Chemical Properties9.1 **Information on basic physical and chemical properties**

General Information

Physical state:	Liquid
Colour:	Colourless
Odour:	Alcohol-like
Odour threshold:	Not determined
Melting point/freezing point:	Undetermined
Initial boiling point and boiling range:	Undetermined
Flammability:	Not applicable
Explosion limits:	
Lower:	Not determined
Upper:	Not determined
Flash point:	Not applicable
Decomposition temperature:	Not determined
pH-value at 20°C:	10
Viscosity:	
Kinematic viscosity:	Not determined
Dynamic:	Not determined
Solubility:	
Water:	Fully miscible
Partition coefficient n-octanol/water (log value):	Not determined
Vapour pressure:	Not determined
Density and/or relative density	
Density at 20°C:	1.090 g/cm ³
Relative density:	Not determined
Vapour density:	Not determined

9.2 **Other Information:**

NOTE: The physical data presented above are typical values and should not be construed as a specification.

Appearance:

Form: Fluid.

Important information on protection of health and environment and on safety.

Ignition temperature:

Product is not self igniting.

Explosive properties:

Product does not present an explosion hazard.

9.2 cont..

Solvent content
VOC (EC) 1.21%

Change in condition
Evaporation rate: Not determined.

Information with regard to physical hazard classes

Explosives	Not applicable
Flammable gases	Not applicable
Aerosols	Not applicable
Oxidising gases	Not applicable
Gases under pressure	Not applicable
Flammable liquids	Not applicable
Flammable solids	Not applicable
Self-reactive substances and mixtures	Not applicable
Pyrophoric liquids	Not applicable
Pyrophoric solids	Not applicable
Self-heating substances and mixtures	Not applicable
Substances and mixtures, which emit flammable gases in contact with water	Not applicable
Oxidising liquids	Not applicable
Oxidising solids	Not applicable
Organic peroxides	Not applicable
Corrosive to metals	Not applicable
Desensitised explosives	Not applicable

SECTION 10 : Stability and Reactivity
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|------|---|--|
| 10.1 | Reactivity | No further relevant information available. |
| 10.2 | Chemical stability Thermal decomposition / conditions to be avoided: | No decomposition if used and stored 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: | Strong acids.
Strong oxidising agents. |
| 10.6 | Hazardous decomposition products: | Phosphorus compounds
Nitrogen oxides (NOx)
Carbon monoxide and carbon dioxide
Toxic metal oxide smoke
Chlorine compounds |

SECTION 11 : Toxicological Information

11.1 Information on toxicological effects

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

LD/LC50 values relevant for classification:		
ATE (Acute Toxicity Estimates)		
Oral	LD50	35,714 mg/kg
CAS: 7320-34-5 Tetrapotassium pyrophosphate		
Oral	LD50	>2,000 mg/kg (mouse)
Dermal	LD50	>2,000 mg/kg (rabbit)
CAS: 67-63-0 Isopropyl alcohol		
Oral	LD50	>2,000 mg/kg (rat)
CAS: 85409-22-9 Benzyl-C12-14-alkyldimethylammonium chlorides		
Oral	LD50	400 mg/kg (rat)

Primary irritant effect:

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/irritation: Causes serious eye irritation.

Respiratory or skin sensitisation: 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.

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.

Subacute to chronic toxicity: Prolonged or repeated skin contact may irritate and cause dermatitis.

11.2 Information in other hazards

Endocrine disrupting properties: None of the ingredients are listed.

SECTION 12 : Ecological Information

12.1 Toxicity

Aquatic toxicity:	
CAS: 7320-34-5 Tetrapotassium pyrophosphate	
EC50 (96 h)	>100 mg/l (Bacteria)
CAS: 67-63-0 Isopropyl alcohol	
EC50 (96 h)	>10,000 mg/l (Bacteria)

12.2 **Persistence and degradability** The organic portion of the product is biodegradable

12.3 **Bioaccumulative potential** Product is not expected to bioaccumulate.

12.4 **Mobility in soil** No further relevant information available.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 **Endocrine disrupting properties** The product does not contain substances with endocrine disrupting properties.

SECTION 12 : Ecological Information

12.7 Other adverse effects

Additional ecological information:

General notes:

Harmful to aquatic organisms
 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.

SECTION 13 : Disposal Considerations

13.1 Waste treatment methods

Recommendation

Recommended Hierarchy of Controls:

Minimise waste;

Reuse if not contaminated;

Recycle, if possible; or

Safe disposal (if all else fails).

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

Contact waste processors for recycling information.

Used, degraded or contaminated product may be classified as hazardous waste.

Anyone classifying hazardous waste and determining its fate must be qualified in accordance with state and international legislation.

Uncleaned packaging:

Recommendation:

Empty contaminated packagings thoroughly.

They may be recycled after thorough and proper cleaning.

Disposal must be made according to official regulations.

Containers, even those that are "empty," may contain residues that can develop flammable and/or hazardous vapours upon heating.

Do not cut, drill, grind, weld, or perform similar operations on or near empty containers.

Recommended cleansing agents:

Water, if necessary together with cleansing agents.

SECTION 14 : Transport Information

14.1 UN-Number

ADR/RID/ADN, ADN, IMDG, IATA

Not applicable

14.2 UN proper shipping name

ADR/RID/ADN, ADN, IMDG, IATA

Not applicable

14.3 Transport hazard class(es)

ADR/RID/ADN, ADN, IMDG, IATA

Class

Not applicable

14.4 Packing group

ADR/RID/ADN, IMDG, IATA

Not applicable

14.5 Environmental hazards:

Marine pollutant:

No

SECTION 14 : Transport Information

14.6	Special precautions for user	Not applicable
14.7	Maritime transport in bulk according to IMO instruments	Not applicable
	Transport/Additional information	Not dangerous according to the above specifications
	UN "Model Regulation"	Not applicable

SECTION 15 : Regulatory Information

- 15.1 **Safety, health and environmental regulations/legislation specific for the substance or mixture**
Poisons Act

Regulated explosives precursors
None of the ingredients are listed.
Regulated poisons
None of the ingredients are listed.
Reportable explosives precursors
None of the ingredients are listed.
Reportable poisons
None of the ingredients are listed.

Control Of Major Accident Hazards Regulations 2015 (COMAH)
Named dangerous substances - ANNEX I None of the ingredients are listed.

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

SECTION 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.
This Safety Data Sheet is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

Relevant phrases

H225 Highly flammable liquid and vapour.
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

Training hints

This product should only be handled by workers who have received sufficient training in the safe handling and use of chemical products.

Department issuing SDS: Product safety department.

Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
DNEL: Derived No-Effect Level (UK REACH)
PNEC: Predicted No-Effect Concentration (UK REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
ATE: Acute toxicity estimate values
Flam. Liq. 2: Flammable liquids – Category 2
Acute Tox. 4: Acute toxicity – Category 4
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3