



P&WC

SAFETY DATA SHEET

PETROFLO 22Y630 (PetroKare PK 45 EB)

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

1.1. Product identifier

Trade name or designation of the mixture PETROFLO 22Y630 (PetroKare PK 45 EB)

Version number 6.0

Revision date 25/02/2020

Supersedes date 01/03/2018

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

Identified uses Oil in water emulsion breaker

Uses advised against None known.

1.3. Details of the supplier of the safety data sheet

JV Process and Water Chemicals LLC

Address: Street V. Kadirov 10, Chirchik city,
Tashkent Region, Republic of Uzbekistan, 111727

Tel: +99871 209 10 40

Email address: info@pwch.uz

www.pwch.uz

1.4. Emergency telephone number

Multilingual emergency number (24/7)

Street V. Kadirov 10, Chirchik city,
Tashkent Region,
Republic of Uzbekistan, 111727

Tel: +99871 209 10 40

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 as amended

Health hazards

Skin sensitisation	Category 1A	H317 - May cause an allergic skin reaction.
--------------------	-------------	---

Environmental hazards

Hazardous to the aquatic environment, long-term aquatic hazard	Category 3	H412 - Harmful to aquatic life with long lasting effects.
--	------------	---

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Contains: Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1)



P&WC

SAFETY DATA SHEET

PETROFLO 22Y630 (PetroKare PK 45 EB)

Hazard pictograms



Signal word

Warning

Hazard statements

H317 May cause an allergic skin reaction.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

Prevention

P273 Avoid release to the environment.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves.

Response

P302 + P352 IF ON SKIN: Wash with plenty of water.
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

Storage

Not available.

Disposal

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

Supplemental label information

None.

2.3. Other hazards

None known.

SECTION 3: Composition/information on ingredients

Mixtures

Chemical description

Polymer solution

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
---------------	---	------------------	------------------------	-----------	-------

Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1)	>= 0.0015 - < 0,6	55965-84-9 -	-	613-167-00-5	
--	----------------------	-----------------	---	--------------	--

Classification: Acute Tox. 3;H301, Acute Tox. 2;H310, Skin Corr. 1C;H314, Skin Sens. 1A;H317, Eye Dam. 1;H318, Acute Tox. 2;H330, Aquatic Acute 1;H400(M=100), Aquatic Chronic 1;H410(M=100) B

The classification of the above substance(s) is given, including the hazard class, category code and hazard statements which are assigned in accordance with their physicochemical, health and environmental hazards. Please refer to section 16 where the full text of each relevant H-statement is listed.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation Move to fresh air.
Skin contact Take off immediately all contaminated clothing.
Wash off immediately with plenty of water.
Get medical attention immediately.
Eye contact Rinse immediately with plenty of water for at least 15 minutes.
Ingestion Rinse mouth.

4.2. Most important symptoms and effects, both acute and delayed May cause allergic skin reaction.



P&WC

SAFETY DATA SHEET

PETROFLO 22Y630 (PetroKare PK 45 EB)

4.3. Indication of any immediate medical attention and special treatment needed Not available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Dry chemical, CO2, water spray or regular foam.

Unsuitable extinguishing media Not available.

5.2. Special hazards arising from the substance or mixture Oxides of carbon and nitrogen evolved in fire. Hydrogen chloride gas (HCl).

5.3. Advice for firefighters

Special protective equipment for firefighters Self contained breathing apparatus. (CEN : EN 137)
Protective clothing (CEN : EN 469)
Protective gloves (CEN : EN 659)
Helmet (CEN : EN 443)

Special fire fighting procedures Use standard firefighting procedures and consider the hazards of other involved materials. Prevent spillage and fire-fighting water from entering in public sewers or the immediate environment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel Wear protective clothing, gloves and safety goggles.

For emergency responders Use personal protection recommended in Section 8 of the SDS.

6.2. Environmental precautions

Prevent from entering sewers or the immediate environment. Do not empty into drains, dispose of this material and its container to hazardous or special waste collection point.

6.3. Methods and material for containment and cleaning up

Absorb onto inert material and dispose of according to Hazardous Waste Regulations. Remove small spills with plenty of water.

6.4. Reference to other sections

Please refer also to section no. 8 'Exposure controls' for further information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Wash contaminated skin promptly.

7.2. Conditions for safe storage, including any incompatibilities

Store in cool, well ventilated area.
Store away from oxidisers.
Store containers closed when not in use.

7.3. Specific end use(s)

Only for professional and industrial users

Shelf life

360 days

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits No exposure limits noted for ingredient(s).

Biological limit values No biological exposure limits noted for the ingredient(s).

Recommended monitoring procedures Not available.

Derived no effect levels (DNELs) Not available.

Predicted no effect concentrations (PNECs) Not available.

8.2. Exposure controls

Appropriate engineering controls Adequate ventilation to maintain air contaminants below exposure limits.



P&WC

SAFETY DATA SHEET

PETROFLO 22Y630 (PetroKare PK 45 EB)

Version: 6.0

Effective date: 25/02/2020

Previous Date: 01/03/2018

Individual protection measures, such as personal protective equipment

Eye/face protection	Safety goggles. CEN : EN 166
Skin protection	
- Hand protection	Gauntlet type neoprene gloves (Protection against unintentional short-term contact) Penetration time: > 480 min Coating thickness: 0,5 mm CEN : EN 374-1/2/3/4; EN 420
- Other	Chemical resistant apron. Rubber boots. CEN : EN ISO 13688; EN ISO 6530; EN ISO 6529; EN 14605
Respiratory protection	In case of insufficient ventilation, use a breathing mask with filter type: A2-P2 CEN : EN 140; EN 14387
Thermal hazards	Not available.
Environmental exposure controls	Prevent from entering in public sewers or the immediate environment. Do not empty into drains, dispose of this material and its container to hazardous or special waste collection point.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Colour	Colourless
Physical state	Liquid
Odour	Mild
Odour threshold	Not available.
pH (concentrated product)	4,7
pH in aqueous solution	4,3 (5% SOL.)
Melting point/freezing point	-1 °C
Initial boiling point and boiling range	104 °C
Flash point	> 100 °C SETA(CC)
Evaporation rate	< 1 (Ether = 1)
Flammability (solid, gas)	Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.

Vapour pressure	18 mm Hg
Vapour pressure temp.	21 °C
Vapour density	< 1 (Air = 1)
Relative density	1,03
Relative density temperature	21 °C

Solubility

Solubility (water)	100 %
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not applicable.
Decomposition temperature	Not available.
Viscosity	107 cps
Viscosity temperature	21 °C
Explosive properties	Not available.

Material name: PETROFLO 22Y630 (PetroKare PK 45 EB)



P&WC

SAFETY DATA SHEET

PETROFLO 22Y630 (PetroKare PK 45 EB)

Version: 6.0
Effective date: 25/02/2020
Previous Date: 01/03/2018

Oxidising properties Not available.

9.2. Other information

Pour point 2 °C
Shelf life 360 days
VOC 0 % (Estimated)

SECTION 10: Stability and reactivity

10.1. Reactivity Not available.
10.2. Chemical stability Material is stable under normal conditions.
10.3. Possibility of hazardous reactions Not applicable.
10.4. Conditions to avoid No special requirement.
10.5. Incompatible materials Avoid contact with strong oxidisers.
10.6. Hazardous decomposition products Oxides of carbon and nitrogen evolved in fire.
Hydrogen chloride gas (HCl).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Product	Test Results
PETROFLO 22Y630 (PetroKare PK 45 EB) (Mixture)	Acute Dermal LD50 Rabbit: > 5000 mg/kg (Calculated according to GHS additivity formula) Acute Inhalation LC50 Rat: > 5 mg/l 4 hour (Calculated according to GHS additivity formula) Acute Oral LD50 Rat: > 5000 mg/kg (Calculated according to GHS additivity formula)

Components	Test Results
Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1) (55965-84-9)	Acute Dermal LD50 Rabbit: 90 mg/kg Acute Inhalation LC50 Rat: 0,33 mg/l 4 hour Acute Oral LD50 Rat: 67 mg/kg

Acute toxicity Based on available data, the classification criteria are not met.
Skin corrosion/irritation Based on available data, the classification criteria are not met.
Serious eye damage/irritation May be irritating to eyes.
Respiratory or skin sensitisation May cause an allergic skin reaction.
Specific target organ toxicity - repeated exposure Based on available data, the classification criteria are not met.
Specific target organ toxicity - single exposure Based on available data, the classification criteria are not met.
Carcinogenicity Based on available data, the classification criteria are not met.
Germ cell mutagenicity Based on available data, the classification criteria are not met.
Reproductive toxicity Based on available data, the classification criteria are not met.

Information on likely routes of exposure

Ingestion May cause irritation of the gastrointestinal tract.
Inhalation Prolonged or excessive inhalation may cause respiratory tract irritation.
Skin contact May cause an allergic skin reaction.
Eye contact May be irritating to eyes.



P&WC

SAFETY DATA SHEET

PETROFLO 22Y630 (PetroKare PK 45 EB)

Symptoms	Not available.
Aspiration hazard	Based on available data, the classification criteria are not met.
Mixture versus substance information	None known.
Other information	Not available.

SECTION 12: Ecological information

12.1. Toxicity

Product	Species	Test Results
PETROFLO 22Y630 (PetroKare PK 45 EB) (CAS Mixture)		
Aquatic		
Crustacea	LC50	Daphnia magna
		3,6 mg/l, Static Renewal Bioassay, 48 hour
Fish	LC50	Fathead minnow
		9,8 mg/l, Static Renewal Bioassay, 96 hour
		Rainbow trout
		4,5 mg/l, Static Acute Bioassay, 96 hour
	NOEL	Fathead minnow
		4,9 mg/l, Static Renewal Bioassay, 96 hour
		Rainbow trout
		2,4 mg/l, Static Acute Bioassay, 96 hour

12.2. Persistence and degradability

- COD (mgO₂/g) 171 (calculated data)
- BOD 5 (mgO₂/g) 2 (calculated data)
- BOD 28 (mgO₂/g) 1 (calculated data)
- Closed Bottle Test (% Degradation in 28 days) 0 (calculated data)
- Zahn-Wellens Test (% Degradation in 28 days) 1 (calculated data)
- TOC (mg C/g) 63 (calculated data)

12.3. Bioaccumulative potential

Not available.

Partition coefficient n-octanol/water (log K_{ow})

Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1) 0,49

Bioconcentration factor (BCF)

Not available.

12.4. Mobility in soil

Not available.

12.5. Results of PBT and vPvB assessment

Not a PBT or vPvB substance or mixture.

12.6. Other adverse effects

Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Contaminated packaging According to Hazardous Waste Regulations.

EWC (European Waste Code) recommendation : 15 01 10
 15 Waste packaging; absorbents, wiping cloths, filter materials and protective clothing not otherwise specified.
 15 01 Packaging (including separately collected municipal packaging waste).
 15 01 10 Packaging containing residues of or contaminated by dangerous substances.
 Depending on the origin and state of the waste, other EWC numbers may be applicable too.



P&WC

SAFETY DATA SHEET

PETROFLO 22Y630 (PetroKare PK 45 EB)

Version: 6.0
Effective date: 25/02/2020
Previous Date: 01/03/2018

Disposal methods/information According to Hazardous Waste Regulations.

EWC (European Waste Code) recommendation : 16 03 05
16 Wastes not otherwise specified in the list.
16 03 Off-specification batches and unused products.
16 03 05 Organic wastes containing dangerous substances.
Depending on the origin and state of the waste, other EWC numbers may be applicable too.

SECTION 14: Transport information

ADR

Not regulated as dangerous goods.

RID

Not regulated as dangerous goods.

ADN

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended

Not listed.

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended

Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended

Not listed.

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA

Not listed.

Authorisations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended

Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Not listed.

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended.

Not listed.

Other EU regulations

Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended

Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1) (CAS 55965-84-9)

National regulations Not available.



P&WC

SAFETY DATA SHEET

PETROFLO 22Y630 (PetroKare PK 45 EB)

15.2. Chemical safety assessment Not available.

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)
 A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

SECTION 16: Other information

List of abbreviations

COD: Chemical Oxygen Demand
 EC-No: European Commission Number
 IATA: International Air Transport Association
 CAS: Chemical Abstract Service.
 CLP: Classification, Labeling and Packaging REGULATION (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures.
 CEN: European Committee for Standardization (Comité Européen de Normalisation).
 TWA: Time Weighted Average.
 STEL: Short-term Exposure Limit.
 LD50: Lethal Dose 50%.
 LC50: Lethal Concentration 50%.
 EC50: Effective Concentration 50%.
 NOEL: No observed effect level.
 BOD: Biochemical oxygen demand.
 TOC: Total Organic Carbon.
 ADR: European agreement concerning the international carriage of dangerous goods by road (Accord européen relatif transport des marchandises dangereuses par route).
 ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures).
 IMDG Code: International Maritime Dangerous Goods Code.
 RID: Regulations concerning the international carriage of dangerous goods by rail (Règlement International concernant le transport de marchandises dangereuses par chemin de fer).
 Safety data sheets of raw materials.

References

Information on evaluation method leading to the classification of mixture

The physical, health and environmental hazards of this mixture are assessed by applying the classification criteria for each hazard class or differentiation in Parts 2 to 5 of Annex I to Regulation (EC) No 1272/2008 (CLP).

Full text of any H-statements not written out in full under Sections 2 to 15

H301 Toxic if swallowed.
 H310 Fatal in contact with skin.
 H314 Causes severe skin burns and eye damage.
 H317 May cause an allergic skin reaction.
 H318 Causes serious eye damage.
 H330 Fatal if inhaled.
 H400 Very toxic to aquatic life.
 H410 Very toxic to aquatic life with long lasting effects.

Revision information

This document has undergone significant changes and should be reviewed in its entirety.

Training information

Provide training on safe handling while considering the type of application and exposure scenarios.

Based on EC Directive / Regulations

(EC) No 1907/2006 (REACH)
 (EU) 2015/830
 (EC) No 1272/2008
 (EU) No 1357/2014

Further information

Correction in Section: 2,3,6,8,11,15,16