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SAFETY DATA SHEET

PETROFLO 20Y24E (PetroKare AF 55)

Version: 4.1
Effective date: 28/06/2023
Previous Date: 20/01/2022

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

1.1. Product identifier

Trade name or designation of the mixture PETROFLO 20Y24E (PetroKare AF 55)

Date of first issue 25/05/2021

Version number 4.1

Revision date 28/06/2023

Supersedes date 20/01/2022

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

Identified uses Antifoulant

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

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

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

This product needs not to be classified with Hazard statement 304 as its kinetic viscosity is greater than 20,5 mm² /s

Health hazards

Skin sensitisation	Category 1	H317 - May cause an allergic skin reaction.
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Specific target organ toxicity - single exposure	Category 3 narcotic effects	H336 - May cause drowsiness or dizziness.
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Environmental hazards

Hazardous to the aquatic environment, long-term aquatic hazard	Category 2	H411 - Toxic to aquatic life with long lasting effects.
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Hazard summary

May cause drowsiness and dizziness. May cause an allergic skin reaction. Prolonged exposure may cause chronic effects. Dangerous for the environment if discharged into watercourses.



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2.2. Label elements

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

Contains: Hydrocarbons, C10, aromatics, <1% naphthalene, Maleic anhydride

Hazard pictograms



Signal word Warning

Hazard statements

H317 May cause an allergic skin reaction.
 H336 May cause drowsiness or dizziness.
 H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

Prevention

P261 Avoid breathing mist/vapor.
 P273 Avoid release to the environment.
 P280 Wear protective gloves.

Response

P302 + P352 IF ON SKIN: Wash with plenty of water.
 P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P312 Call a POISON CENTRE/doctor if you feel unwell.

Storage Not available.

Disposal Not available.

Supplemental label information EUH066 - Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards Not a PBT or vPvB substance or mixture.

SECTION 3: Composition/information on ingredients

Mixtures

Chemical description Amines in aromatic solvent

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Hydrocarbons, C10, aromatics, <1% naphthalene	40 - < 50	N/A 918-811-1	01-2119463583-34	-	
Classification:	Asp. Tox. 1;H304, STOT SE 3;H336, Aquatic Chronic 2;H411				
Distillates (petroleum), hydrotreated light paraffinic	0 - 35	64742-55-8 265-158-7	01-2119487077-29	649-468-00-3	
Classification:	Asp. Tox. 1;H304				
Distillates (petroleum), solvent-dewaxed heavy paraffinic	0 - 35	64742-65-0 265-169-7	01-2119471299-27	649-474-00-6	
Classification:	Asp. Tox. 1;H304				
Distillates (petroleum), solvent-dewaxed light paraffinic	0 - 35	64742-56-9 265-159-2	01-2119480132-48	649-469-00-9	
Classification:	Asp. Tox. 1;H304				
Distillates (petroleum), hydrotreated heavy paraffinic	0 - 35	64742-54-7 265-157-1	01-2119484627-25	649-467-00-8	
Classification:	Asp. Tox. 1;H304				



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Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Naphthalene	< 1	91-20-3 202-049-5	-	601-052-00-2	#
Classification:	Acute Tox. 4;H302, Carc. 2;H351, Aquatic Acute 1;H400, Aquatic Chronic 1;H410				
Maleic anhydride	< 0,1	108-31-6 203-571-6	-	607-096-00-9	
Classification:	Acute Tox. 4;H302, Skin Corr. 1B;H314, Skin Sens. 1A;H317, Eye Dam. 1;H318, Resp. Sens. 1;H334, STOT RE 1;H372				

List of abbreviations and symbols that may be used above

#: This substance has been assigned Union workplace exposure limit(s).

M: M-factor

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

The full text for all H-statements is displayed in section 16. Components listed above that have a zero minimum and a common maximum range are interchangeably used components based on availability. The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346. This Nota applies only to certain complex oil-derived substances in Annex VI.

SECTION 4: First aid measures

General information Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

4.1. Description of first aid measures

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison centre or doctor/physician if you feel unwell.

Skin contact Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions.

Eye contact Rinse with water. Get medical attention if irritation develops and persists.

Ingestion Rinse mouth. Get medical attention if symptoms occur.

4.2. Most important symptoms and effects, both acute and delayed May cause drowsiness and dizziness. Headache. Nausea, vomiting. May cause an allergic skin reaction. Dermatitis. Rash.

4.3. Indication of any immediate medical attention and special treatment needed Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

SECTION 5: Firefighting measures

General fire hazards No unusual fire or explosion hazards noted.

5.1. Extinguishing media

Suitable extinguishing media Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture During fire, gases hazardous to health may be formed.

5.3. Advice for firefighters

Special protective equipment for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Special fire fighting procedures Move containers from fire area if you can do so without risk. Prevent spillage and fire-fighting water from entering in public sewers or the immediate environment.

Specific methods Use standard firefighting procedures and consider the hazards of other involved materials.



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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist/vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

For emergency responders Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the SDS.

6.2. Environmental precautions Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up Prevent product from entering drains.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling Material can accumulate static charges which may cause an electrical spark (ignition source). Use proper bonding and/or grounding procedures. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities Store locked up. Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

7.3. Specific end use(s) Only for industrial users

Shelf life 720 days

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Hygienic Normative 2.2.5.2439-09 "Maximum Allowable Concentrations (MAC) of Noxious Substances in the Working Zone Air", Executive No.76 of 30 April 2003. (Including addendums No. 1, 2, 3, and 4).

Components	Type	Value	Form
Maleic anhydride (CAS 108-31-6)	Ceiling	1 mg/m ³	Vapour and aerosol.
Naphthalene (CAS 91-20-3)	Ceiling	20 mg/m ³	Vapour.

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)	TWA	5 mg/m ³	Inhalable fraction.
Distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8)	TWA	5 mg/m ³	Inhalable fraction.
Distillates (petroleum), solvent-dewaxed heavy paraffinic (CAS 64742-65-0)	TWA	5 mg/m ³	Inhalable fraction.
Distillates (petroleum), solvent-dewaxed light paraffinic (CAS 64742-56-9)	TWA	5 mg/m ³	Inhalable fraction.



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US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Maleic anhydride (CAS 108-31-6)	TWA	0,01 mg/m ³	Inhalable fraction and vapor.
Naphthalene (CAS 91-20-3)	TWA	10 ppm	

EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU

Components	Type	Value
Naphthalene (CAS 91-20-3)	TWA	50 mg/m ³ 10 ppm

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

Recommended monitoring procedures Follow standard monitoring procedures.

Derived no effect levels (DNELs)

Workers

Components	Value	Assessment factor	Notes
Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)			
Long-term, Local, Inhalation	5,6 mg/m ³		
Long-term, Systemic, Dermal	1 mg/kg/day		
Long-term, Systemic, Inhalation	2,7 mg/m ³		
Distillates (petroleum), solvent-dewaxed heavy paraffinic (CAS 64742-65-0)			
Long-term, Local, Inhalation	5,58 mg/m ³	45	
Long-term, Systemic, Dermal	0,97 mg/kg/day	72	
Long-term, Systemic, Inhalation	2,73 mg/m ³	45	
Hydrocarbons, C10, aromatics, <1% naphthalene (CAS N/A)			
Long-term, Systemic, Dermal	12,5 mg/kg/day		
Long-term, Systemic, Inhalation	150 mg/m ³		

Predicted no effect concentrations (PNECs)

Components	Value	Assessment factor	Notes
Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)			
Secondary poisoning	9,33 mg/kg		
Distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8)			
Secondary poisoning	9,33 mg/kg		
Distillates (petroleum), solvent-dewaxed heavy paraffinic (CAS 64742-65-0)			
Secondary poisoning	9,33 mg/kg		
Distillates (petroleum), solvent-dewaxed light paraffinic (CAS 64742-56-9)			
Secondary poisoning	9,33 mg/kg		

Exposure guidelines

Belgium OELs: Skin designation

Naphthalene (CAS 91-20-3) Can be absorbed through the skin.

8.2. Exposure controls

Appropriate engineering controls

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Explosion proof exhaust ventilation should be used.

Individual protection measures, such as personal protective equipment

General information Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Eye/face protection If contact is likely, safety glasses with side shields are recommended.
CEN : EN 166

Skin protection



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- Hand protection	Suitable gloves can be recommended by the glove supplier. Viton gloves (Protection against unintentional short-term contact) Coating thickness: 0.71 mm Penetration time: > 480 min CEN : EN 374-1/2/3/4; EN 420
- Other	Wear appropriate chemical resistant clothing. CEN : EN ISO 13688; EN ISO 6529; EN 14605
Respiratory protection	In case of insufficient ventilation, use a breathing mask with filter type: A2-P2 CEN : EN 136; EN 14387
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
Hygiene measures	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.
Environmental exposure controls	Inform appropriate managerial or supervisory personnel of all environmental releases. 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	Amber to brown
Physical state	Liquid
Odour	Hydrocarbon
Odour threshold	Not available.
pH (concentrated product)	Not available.
pH in aqueous solution	3,8 (50% EXTRACT)
Melting point/freezing point	Not available.
Initial boiling point and boiling range	177 °C
Flash point	65 °C P-M(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	< 10 mm Hg
Vapour pressure temp.	21 °C
Vapour density	> 1 (Air = 1)
Relative density	0,89
Relative density temperature	21 °C

Solubility

Solubility (water)	< 0,01 %
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not applicable.
Decomposition temperature	Not available.
Viscosity	40 cps
Viscosity temperature	21 °C
Explosive properties	Not explosive.



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Oxidising properties Not oxidising.

9.2. Other information

Shelf life 720 days
VOC 58 % (Estimated)

SECTION 10: Stability and reactivity

10.1. Reactivity The product is stable and non-reactive under normal conditions of use, storage and transport.
10.2. Chemical stability Material is stable under normal conditions.
10.3. Possibility of hazardous reactions Hazardous polymerisation does not occur.
10.4. Conditions to avoid Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point.
10.5. Incompatible materials Strong oxidising agents.
10.6. Hazardous decomposition products Nitrogen oxides (NOx). Carbon oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Product	Test Results
PETROFLO 20Y24E (PetroKare AF 55) (Mixture)	Acute Dermal LD50 Rabbit: > 5000 mg/kg (Calculated according to GHS additivity formula) Acute Inhalation LC50 Rat: 7,1 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
Maleic anhydride (108-31-6)	Acute Dermal LD50 Rabbit: 2620 mg/kg Acute Oral LD50 Rat: 400 mg/kg
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7)	Acute Dermal LD50 Rabbit: > 5000 mg/kg Acute Inhalation LC50 Rat: > 2,18 mg/l/4h Acute Oral LD50 Rat: > 5000 mg/kg
Distillates (petroleum), solvent-dewaxed light paraffinic (64742-56-9)	Acute Dermal LD50 Rabbit: > 5000 mg/kg Acute Inhalation LC50 Rat: > 5 mg/l 4 Hours Acute Oral LD50 Rat: > 5000 mg/kg
Distillates (petroleum), solvent-dewaxed heavy paraffinic (64742-65-0)	Acute Dermal LD50 Rat: > 5000 mg/kg Acute Inhalation LC50 Rat: > 5 mg/l 4 hours Acute Oral LD50 Rabbit: > 5000 mg/kg
Naphthalene (91-20-3)	Acute Dermal LD50 Rabbit: > 16000 mg/kg Acute Oral LD50 Rat: > 2000 mg/kg
Hydrocarbons, C10, aromatics, <1% naphthalene (N/A)	Acute Dermal LD50 Rabbit: > 2000 mg/kg Acute Inhalation LC50 Rat: > 4688 mg/m3 4 hours (Saturated vapor concentration) Acute Oral LD50 Rat: 7050 mg/kg

Acute toxicity

Skin corrosion/irritation Based on available data, the classification criteria are not met.
Serious eye damage/irritation Direct contact with eyes may cause temporary irritation.
Respiratory or skin sensitisation May cause an allergic skin reaction.

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Specific target organ toxicity - repeated exposure	Based on available data, the classification criteria are not met.
Specific target organ toxicity - single exposure	May cause drowsiness or dizziness.
Carcinogenicity	Risk of cancer cannot be excluded with prolonged exposure.
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.
General information	Occupational exposure to the substance or mixture may cause adverse effects.
Information on likely routes of exposure	
Ingestion	May cause irritation of the gastrointestinal tract.
Inhalation	Vapours have a narcotic effect and may cause headache, fatigue, dizziness and nausea.
Skin contact	May cause an allergic skin reaction. Repeated exposure may cause skin dryness or cracking.
Eye contact	Direct contact with eyes may cause temporary irritation.
Symptoms	May cause drowsiness and dizziness. Headache. Nausea, vomiting. May cause an allergic skin reaction. Dermatitis. Rash.
Aspiration hazard	Based on available data, the classification criteria are not met.
Mixture versus substance information	No information available.
Other information	Not available.

SECTION 12: Ecological information

12.1. Toxicity Toxic to aquatic life with long lasting effects.

Product	Species	Test Results
PETROFLO 20Y24E (PetroKare AF 55) (CAS Mixture)		
	LC0	Fathead minnow
	LC50	Daphnia magna
	NOEL	Daphnia magna

12.2. Persistence and degradability

- COD (mgO₂/g) 1767 (calculated data)
- TOC (mg C/g) 844 (calculated data)

12.3. Bioaccumulative potential**Partition coefficient n-octanol/water (log K_{ow})**

Naphthalene 3,3

Bioconcentration factor (BCF) Not available.

12.4. Mobility in soil No data available.

12.5. Results of PBT and vPvB assessment Not a PBT or vPvB substance or mixture.

12.6. Other adverse effects The product contains volatile organic compounds which have a photochemical ozone creation potential.

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Residual waste Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).



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Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

According to Hazardous Waste Regulations.
European List of Wastes (LoW) 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 codes may be applicable too.

Disposal methods/information Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

According to Hazardous Waste Regulations.
European List of Wastes (LoW) 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 codes may be applicable too.

Special precautions Dispose in accordance with all applicable regulations.

SECTION 14: Transport information

ADR

- 14.1. UN number UN3082
- 14.2. UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Hydrocarbons, C10, aromatics, <1% naphthalene, Mixture)
- 14.3. Transport hazard class(es)
 - Class 9
 - Subsidiary risk -
 - Tunnel restriction code (-)
- 14.4. Packing group III
- 14.5. Environmental hazards Yes
- 14.6. Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

RID

- 14.1. UN number UN3082
- 14.2. UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Hydrocarbons, C10, aromatics, <1% naphthalene, Mixture)
- 14.3. Transport hazard class(es)
 - Class 9
 - Subsidiary risk -
- 14.4. Packing group III
- 14.5. Environmental hazards Yes
- 14.6. Special precautions for user Read safety instructions, SDS and emergency procedures before handling.

ADN

- 14.1. UN number UN3082
- 14.2. UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Hydrocarbons, C10, aromatics, <1% naphthalene, Mixture)
- 14.3. Transport hazard class(es)
 - Class 9
 - Subsidiary risk -
- 14.4. Packing group III
- 14.5. Environmental hazards Yes
- 14.6. Special precautions for user Read safety instructions, SDS and emergency procedures before handling.



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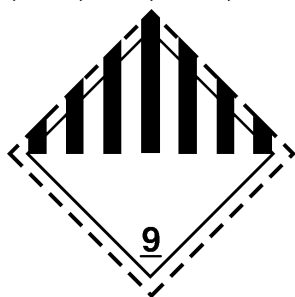
IATA

14.1. UN number	UN3082
14.2. UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Hydrocarbons, C10, aromatics, <1% naphthalene, Mixture)
14.3. Transport hazard class(es)	
Class	9
Subsidiary risk	-
14.4. Packing group	III
14.5. Environmental hazards	Yes
ERG Code	Not available.
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

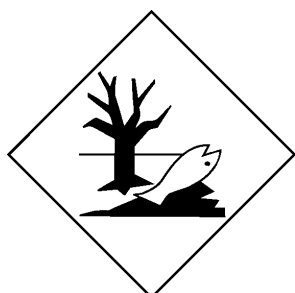
IMDG

14.1. UN number	UN3082
14.2. UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Hydrocarbons, C10, aromatics, <1% naphthalene, Mixture)
14.3. Transport hazard class(es)	
Class	9
Subsidiary risk	-
14.4. Packing group	III
14.5. Environmental hazards	
Marine pollutant	Yes
EmS	F-A, S-F
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code	Not established.

ADN; ADR; IATA; IMDG; RID



Marine pollutant



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.



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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

Naphthalene (CAS 91-20-3)

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

Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)

Distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8)

Distillates (petroleum), solvent-dewaxed heavy paraffinic (CAS 64742-65-0)

Distillates (petroleum), solvent-dewaxed light paraffinic (CAS 64742-56-9)

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

Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)

Distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8)

Distillates (petroleum), solvent-dewaxed heavy paraffinic (CAS 64742-65-0)

Distillates (petroleum), solvent-dewaxed light paraffinic (CAS 64742-56-9)

Naphthalene (CAS 91-20-3)

Other EU regulations

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

Naphthalene (CAS 91-20-3)

Other regulations

The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Regulation) as amended. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006, as amended. Additional information is given in the Safety Data Sheet.

National regulations

Additional information is given in the Safety Data Sheet.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out.

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

CAS: Chemical Abstract Service.

EC-No: European Commission Number

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).



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SAFETY DATA SHEET

PETROFLO 20Y24E (PetroKare AF 55)

Version: 4.1
Effective date: 28/06/2023
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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.
COD: Chemical Oxygen Demand
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).
IATA: International Air Transport Association
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

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

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H336 May cause drowsiness or dizziness.
H351 Suspected of causing cancer.
H372 Causes damage to organs through prolonged or repeated exposure by inhalation.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.

Revision information

Training information

Disclaimer

This document has undergone significant changes and should be reviewed in its entirety.
Follow training instructions when handling this material.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Based on EC Directive / Regulations

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

Further information

Correction in Section: 2,3,4,5,6,7,8,10,11,12,13,16