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Version: 3.0
Effective date: 11/02/2020
Previous Date: 16/07/2019

SAFETY DATA SHEET

PETROFLO 20Y3449 (PetroKare PK 43 AF)

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

1.1. Product identifier

Trade name or designation of the mixture PETROFLO 20Y3449 (PetroKare PK 43 AF)

Date of first issue 16/10/2012

Version number 3.0

Revision date 11/02/2020

Supersedes date 16/07/2019

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

Identified uses Polymerisation inhibitor

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

Serious eye damage/eye irritation	Category 2	H319 - Causes serious eye irritation.
Skin sensitisation	Category 1A	H317 - May cause an allergic skin reaction.
Specific target organ toxicity - single exposure	Category 3 narcotic effects	H336 - May cause drowsiness or dizziness.
Aspiration hazard	Category 1	H304 - May be fatal if swallowed and enters airways.

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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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 Danger

Hazard statements

- H304 May be fatal if swallowed and enters airways.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.
- H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

Prevention

- P273 Avoid release to the environment.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response

- P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
- P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- 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 None known.

SECTION 3: Composition/information on ingredients

Mixtures

Chemical description Glycol and amine in aromatic solvent

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Hydrocarbons, C10, aromatics, <1% naphthalene	50 - < 60	N/A 918-811-1	01-2119463583-34	-	
Classification:	Asp. Tox. 1;H304, STOT SE 3;H336, Aquatic Chronic 2;H411				
Butyl diglycol ether	20 - < 30	112-34-5 203-961-6	01-2119475104-44	603-096-00-8	#
Classification:	Eye Irrit. 2;H319				
Distillates (petroleum), hydrotreated light paraffinic	0 - < 10	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 - < 10	64742-65-0 265-169-7	01-2119471299-27	649-474-00-6	
Classification:	Asp. Tox. 1;H304				



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Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Distillates (petroleum), solvent-dewaxed light paraffinic Classification: Asp. Tox. 1;H304	0 - < 10	64742-56-9 265-159-2	01-2119480132-48	649-469-00-9	L
Distillates (petroleum), hydrotreated heavy paraffinic Classification: Asp. Tox. 1;H304	0 - < 10	64742-54-7 265-157-1	01-2119484627-25	649-467-00-8	L
4-Hydroxy-2,2,6,6-tetramethylpiperidin- N-oxyl Classification: Acute Tox. 4;H302, Eye Dam. 1;H318, STOT RE 2;H373	1 - < 3	2226-96-2 218-760-9	01-2119968566-20	-	
Naphthalene Classification: Acute Tox. 4;H302, Carc. 2;H351, Aquatic Acute 1;H400, Aquatic Chronic 1;H410	< 1	91-20-3 202-049-5	-	601-052-00-2	#
Maleic anhydride 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	< 0,1	108-31-6 203-571-6	-	607-096-00-9	

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.

Components listed above that have a zero minimum and a common maximum range are interchangeably used components based on availability.

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. Get medical attention immediately.
Skin contact	Take off immediately all contaminated clothing. Wash off immediately with soap and plenty of water. If skin irritation occurs: Get medical advice/attention.
Eye contact	Rinse immediately with plenty of water for at least 15 minutes. Get medical attention if irritation persists after washing.
Ingestion	Rinse mouth. Do not induce vomiting. Do not give anything to eat or drink. Call a physician or poison control centre immediately.

4.2. Most important symptoms and effects, both acute and delayed

Irritant effects.
Vapours have a narcotic effect and may cause headache, fatigue, dizziness and nausea.
May cause allergic skin reaction.

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, carbon dioxide. Foam.
Unsuitable extinguishing media	Water.



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5.2. Special hazards arising from the substance or mixture	Oxides of carbon and nitrogen evolved in fire.
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	Remove sources of ignition. 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	Handle in accordance with good industrial hygiene and safety procedures.
7.2. Conditions for safe storage, including any incompatibilities	Keep away from all sources of ignition. Store in tightly closed original container in a dry, cool and well-ventilated place. Avoid moisture contamination. Prevent electrostatic charge build-up by using common bonding and grounding techniques.
7.3. Specific end use(s)	Only for professional and industrial users
Shelf life	270 days

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

UK. EH40 Workplace Exposure Limits (WELs)

Components	Type	Value
Butyl diglycol ether (CAS 112-34-5)	STEL	101,2 mg/m ³
	TWA	15 ppm
		67,5 mg/m ³
Maleic anhydride (CAS 108-31-6)	STEL	10 ppm
	TWA	3 mg/m ³
		1 mg/m ³

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

Components	Type	Value
Butyl diglycol ether (CAS 112-34-5)	STEL	101,2 mg/m ³
	TWA	15 ppm
		67,5 mg/m ³
Naphthalene (CAS 91-20-3)	TWA	10 ppm
		50 mg/m ³
		10 ppm



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Biological limit values

UK. EH40 Biological Monitoring Guidance Values (BMGVs)

Components	Value	Determinant	Specimen	Sampling Time
Naphthalene (CAS 91-20-3)	4 umol/mol	1-Hydroxypyrene	Creatinine in urine	*

* - For sampling details, please see the source document.

Recommended monitoring procedures Not available.

Derived no effect levels (DNELs)

Workers

Components	Value	Assessment factor	Notes
4-Hydroxy-2,2,6,6-tetramethylpiperidin- N-oxyl (CAS 2226-96-2)			
Long-term, Systemic, Dermal	0,3 mg/kg	120	
Long-term, Systemic, Inhalation	1,2 mg/m3	30	
Short-term, Systemic, Dermal	8 mg/kg	60	
Butyl diglycol ether (CAS 112-34-5)			
Long-term, Local, Inhalation	67,5 mg/m3		
Long-term, Systemic, Dermal	83 mg/kg bw/day	24	Repeated dose toxicity
Long-term, Systemic, Inhalation	67,5 mg/m3		
Short-term, Local, Inhalation	101,2 mg/m3		
Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)			
Long-term, Local, Inhalation	5,6 mg/m3		
Long-term, Systemic, Dermal	1 mg/kg/day		
Long-term, Systemic, Inhalation	2,7 mg/m3		
Distillates (petroleum), solvent-dewaxed heavy paraffinic (CAS 64742-65-0)			
Long-term, Local, Inhalation	5,6 mg/m3		
Long-term, Systemic, Dermal	1 mg/kg/day		
Long-term, Systemic, Inhalation	2,7 mg/m3		
Hydrocarbons, C10, aromatics, <1% naphthalene (CAS N/A)			
Long-term, Systemic, Dermal	12,5 mg/kg/day		
Long-term, Systemic, Inhalation	150 mg/m3		

Predicted no effect concentrations (PNECs)

Components	Value	Assessment factor	Notes
4-Hydroxy-2,2,6,6-tetramethylpiperidin- N-oxyl (CAS 2226-96-2)			
Freshwater	0,03 mg/l	50	
Intermittent releases	0,54 mg/l	100	
Marine water	3 µg/l	500	
Sediment (freshwater)	0,126 mg/kg		
Sediment (marine water)	0,0169 mg/kg		
Soil	0,031 mg/kg		
STP	430 mg/l	1	
Butyl diglycol ether (CAS 112-34-5)			
Freshwater	1,1 mg/l	1000	
Intermittent releases	3,9 mg/l	100	
Marine water	0,11 mg/l	10000	
Secondary poisoning	56 mg/kg	90	Oral
Sediment (freshwater)	4,4 mg/kg		
Sediment (marine water)	0,44 mg/kg		
Soil	0,32 mg/kg		
STP	200 mg/l	10	
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		



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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

8.2. Exposure controls

Appropriate engineering controls Adequate ventilation to maintain air contaminants below exposure limits.
Explosion proof exhaust ventilation should be used.

Individual protection measures, such as personal protective equipment

Eye/face protection Splash proof chemical goggles.
Face shield.
CEN : EN 166

Skin protection

- Hand protection Nitrile gloves (Protection against unintentional short-term contact)
Neoprene gloves (Protection against unintentional short-term contact)
Butyl gloves (Protection against unintentional short-term contact)
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 Protective 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 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 Red-orange

Physical state Liquid

Odour Hydrocarbon

Odour threshold Not available.

pH (concentrated product) Not available.

pH in aqueous solution Not available.

Melting point/freezing point < -30 °C

Initial boiling point and boiling range Not available.

Flash point 73 °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 < 5 mm Hg

Vapour pressure temp. 21 °C

Vapour density > 1 (Air = 1)

Relative density 0,92

Relative density temperature 21 °C

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Solubility

Solubility (water)	< 0,01 %
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not applicable.
Decomposition temperature	Not available.
Viscosity	14 cps
Viscosity temperature	21 °C
Explosive properties	Not available.
Oxidising properties	Not available.
9.2. Other information	
Pour point	< -18 °C
Shelf life	270 days
VOC	89,5 % (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	Avoid sources of ignition. Keep away from heat.
10.5. Incompatible materials	Avoid contact with strong oxidisers. Water, moisture.
10.6. Hazardous decomposition products	Oxides of carbon and nitrogen evolved in fire.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Product	Test Results
PETROFLO 20Y3449 (PetroKare PK 43 AF) (Mixture)	Acute Dermal LD50 Rabbit: 2570 mg/kg (Calculated according to GHS additivity formula) Acute Inhalation LC50 Rat: 12,1 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
Butyl diglycol ether (112-34-5)	Acute Dermal LD50 Rabbit: 2764 mg/kg Acute Oral LD50 Rat: 6560 mg/kg
4-Hydroxy-2,2,6,6-tetramethylpiperidin- N-oxyl (2226-96-2)	Acute Dermal LD50 Rabbit: > 2000 mg/kg Acute Oral LD50 Rat: 1053 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



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Components	Test Results
Naphthalene (91-20-3)	Acute Inhalation LC50 Rat: > 5 mg/l 4 hours Acute Oral LD50 Rabbit: > 5000 mg/kg 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/m ³ 4 hours (Saturated vapor concentration) Acute Oral LD50 Rat: 7050 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	Causes serious eye irritation.
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	Narcotic effects. May cause drowsiness or dizziness.
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 be fatal if swallowed and enters airways. May cause irritation of the gastrointestinal tract.
Inhalation	Prolonged or excessive inhalation may cause respiratory tract irritation. Vapours have a narcotic effect and may cause headache, fatigue, dizziness and nausea.
Skin contact	Repeated exposure may cause skin dryness or cracking. May be irritating to the skin.
Eye contact	Causes serious eye irritation.
Symptoms	Not available.
Aspiration hazard	May be fatal if swallowed and enters airways.
Mixture versus substance information	None known.
Other information	Not available.

SECTION 12: Ecological information

12.1. Toxicity	No toxicity data noted for the ingredient(s).
12.2. Persistence and degradability	No data available
12.3. Bioaccumulative potential	Not available.
Partition coefficient n-octanol/water (log Kow)	
Butyl diglycol ether	0,56
Naphthalene	3,3
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.



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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.
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

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	Not available.

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	Not available.

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	Not available.

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)



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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 Not available.

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

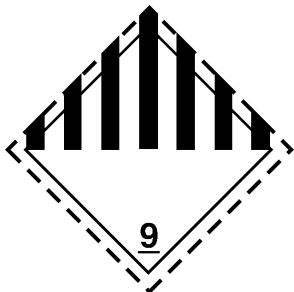
Marine pollutant Yes

EmS F-A, S-F

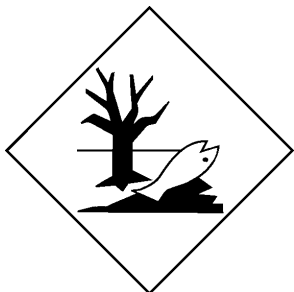
14.6. Special precautions for user Not available.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code This substance/mixture is not intended to be transported in bulk.

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.

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended
 Not listed.



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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

Butyl diglycol ether (CAS 112-34-5) 55

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)

National regulations Not available.

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

EC-No: European Commission Number

COD: Chemical Oxygen Demand

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.



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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.

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).

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

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.

H319 Causes serious eye irritation.

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.

H373 May cause damage to organs through prolonged or repeated exposure by ingestion.

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

Based on EC Directive / Regulations

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

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

(EC) No 1907/2006 (REACH)

(EU) 2015/830

(EC) No 1272/2008

(EU) No 1357/2014

Further information

Correction in Section: 2,3,4,8,11