



SAFETY DATA SHEET

PETROFLO 20Y603E

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

1.1. Product identifier

Trade name or designation of the mixture PETROFLO 20Y603E

Date of first issue 31/01/2008

Version number 7.2

Revision date 24/09/2022

Supersedes date 07/05/2020

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
Street V. Kadirov 10, city Chirchik, Region Tashkent
Republic of Uzbekistan, 111702
tel : +99871 209 10 40
e-mail : info@pwch.uz
www.pwch.uz

1.4. Emergency telephone number

Multilingual emergency number (24/7)

Street V. Kadirov 10, city Chirchik,
Region Tashkent
Republic of Uzbekistan, 111702
+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 1	H317 - May cause an allergic skin reaction.
Reproductive toxicity	Category 1B	H360 - May damage fertility or the unborn child.
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, acute aquatic hazard	Category 1	H400 - Very toxic to aquatic life.
Hazardous to the aquatic environment, long-term aquatic hazard	Category 1	H410 - Very toxic to aquatic life with long lasting effects.

2.2. Label elements



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

Contains: Hydrocarbons, C10, aromatics, <1% naphthalene, Hydrocarbons, C10, aromatics, >1% naphthalene, N-(1,3-dimethylbutyl)-N'-phenyl-p-phenylenediamine, N-(4-Aminophenyl)aniline, N-methyl-2-pyrrolidone

Hazard pictograms



Signal word Danger

Hazard statements

- H304 May be fatal if swallowed and enters airways.
- H317 May cause an allergic skin reaction.
- H336 May cause drowsiness or dizziness.
- H360 May damage fertility or the unborn child.
- H410 Very 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 + P310 IF SWALLOWED: Immediately call a POISON CENTRE/doctor.
- P302 + P352 IF ON SKIN: Wash with plenty of water.
- P308 + P313 IF exposed or concerned: Get medical advice/attention.

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 Polymer and amines 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				
N-(1,3-dimethylbutyl)-N'-phenyl-p-phenylenediamine	20 - < 30	793-24-8 212-344-0	01-2119485839-15	-	
Classification:	Acute Tox. 4;H302, Skin Sens. 1;H317, Repr. 1B;H360, Aquatic Acute 1;H400(M=10), Aquatic Chronic 1;H410(M=10)				
N-methyl-2-pyrrolidone	3 - 5	872-50-4 212-828-1	01-2119472430-46	606-021-00-7	# PBT vPvB
Classification:	Skin Irrit. 2;H315, Eye Irrit. 2;H319, STOT SE 3;H335, Repr. 1B;H360D				
Formaldehyde, polymers with branched 4-nonylphenol and ethylenediamine	1 - < 3	1152269-15-2 -	-	-	
Classification:	Skin Irrit. 2;H315, Eye Irrit. 2;H319				



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Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Hydrocarbons, C10, aromatics, >1% naphthalene	1 - < 3	N/A 919-284-0	01-2119463588-24	-	
Classification:	Asp. Tox. 1;H304, STOT SE 3;H336, Carc. 2;H351, Aquatic Chronic 2;H411				
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				
N-(4-Aminophenyl)aniline	< 0,3	101-54-2 202-951-9	-	-	
Classification:	Acute Tox. 4;H302, Skin Sens. 1;H317, Eye Irrit. 2;H319, Aquatic Acute 1;H400, Aquatic Chronic 1;H410				

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	Remove victim to fresh air and keep at rest in a position comfortable for breathing.
Skin contact	Take off immediately all contaminated clothing. Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately.
Eye contact	Immediately flush eye(s) with plenty of water. Get medical attention if irritation develops and persists.
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 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	Carbon dioxide (CO2). Dry chemical powder. Foam.
Unsuitable extinguishing media	Water.

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.



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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.

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 Combustible.
 Do not use around sparks or flames.
 Earth containers during filling or discharge when performed at temperatures at or above the product flash point.
 Use non-sparking tools and explosion-proof equipment.

7.2. Conditions for safe storage, including any incompatibilities Store in cool, well ventilated area.
 Store away from oxidisers.
 Keep containers tightly closed in a dry, cool and well-ventilated place.
 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

Italy. Occupational Exposure Limits

Components	Type	Value
Naphthalene (CAS 91-20-3)	TWA	50 mg/m ³
		10 ppm
N-methyl-2-pyrrolidone (CAS 872-50-4)	STEL	80 mg/m ³
		20 ppm
		TWA
		40 mg/m ³
		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
N-methyl-2-pyrrolidone (CAS 872-50-4)	STEL	80 mg/m ³
		20 ppm
		TWA
		40 mg/m ³
		10 ppm

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

Recommended monitoring procedures Not available.

Derived no effect levels (DNELs)

Workers

Components	Value	Assessment factor	Notes
Hydrocarbons, C10, aromatics, <1% naphthalene (CAS N/A)			
Long-term, Systemic, Dermal	12,5 mg/kg/day		



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Long-term, Systemic, Inhalation	150 mg/m3	
Hydrocarbons, C10, aromatics, >1% naphthalene (CAS N/A)		
Long-term, Systemic, Dermal	12,5 mg/kg/day	24
Long-term, Systemic, Inhalation	151 mg/m3	12
N-(1,3-dimethylbutyl)-N'-phenyl-p- phenylenediamine (CAS 793-24-8)		
Long-term, Systemic, Dermal	0,19 mg/kg	
Long-term, Systemic, Inhalation	0,69 mg/m3	
Short-term, Systemic, Dermal	0,95 mg/kg	
Short-term, Systemic, Inhalation	3,45 mg/m3	
N-methyl-2-pyrrolidone (CAS 872-50-4)		
Long-term, Local, Inhalation	40 mg/m3	
Long-term, Systemic, Dermal	4,8 mg/kg	
Long-term, Systemic, Inhalation	14,4 mg/m3	

Predicted no effect concentrations (PNECs)

Components	Value	Assessment factor	Notes
N-(1,3-dimethylbutyl)-N'-phenyl-p- phenylenediamine (CAS 793-24-8)			
Freshwater	0,37 µg/l	10	
Intermittent releases	0,28 µg/l	100	
Marine water	0,037 µg/l	100	
Secondary poisoning	1,33 mg/kg	300	Oral
Sediment (freshwater)	0,11 mg/kg		
Sediment (marine water)	0,011 mg/kg		
Soil	1,64 mg/kg	10	
N-methyl-2-pyrrolidone (CAS 872-50-4)			
Freshwater	0,25 mg/l	50	
Intermittent releases	5 mg/l	100	
Marine water	0,025 mg/l	500	
Sediment (freshwater)	0,805 mg/kg		
Sediment (marine water)	0,0805 mg/kg		
Soil	0,138 mg/kg		
STP	10 mg/l	10	

Exposure guidelines

Italy OELs: Skin designation

N-methyl-2-pyrrolidone (CAS 872-50-4) Danger of cutaneous absorption

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.
 CEN : EN 166

Skin protection

- Hand protection Nitrile gloves (Protection against unintentional short-term contact)
 Neoprene gloves (Protection against unintentional short-term contact)
 Viton 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 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-P3
 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.



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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Colour Red-brown

Physical state Liquid

Odour Hydrocarbon

Odour threshold Not available.

pH (concentrated product) Not available.

pH in aqueous solution 9,3 (5% extract)

Melting point/freezing point < -45 °C

Initial boiling point and boiling range 177 °C

Flash point 63 °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 0,94

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 18 cps

Viscosity temperature 21 °C

Explosive properties Not available.

Oxidising properties Not available.

9.2. Other information

Pour point -12 °C

Shelf life 270 days

VOC 67 % (Estimated)

SECTION 10: Stability and reactivity

10.1. Reactivity Strong oxidising agents.

10.2. Chemical stability Material is stable under normal conditions.

10.3. Possibility of hazardous reactions Not applicable.

10.4. Conditions to avoid Keep away from all sources of ignition.

10.5. Incompatible materials Avoid contact with strong oxidisers.

10.6. Hazardous decomposition products Oxides of carbon and nitrogen evolved in fire.



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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Product	Test Results
PETROFLO 20Y603E (Mixture)	Acute Dermal LD50 Rabbit: > 2000 mg/kg (Calculated according to GHS additivity formula) Acute Inhalation LC50 Rat: > 20 mg/l 4 hours (Calculated according to GHS additivity formula) Acute Oral LD50 Rat: > 2000 mg/kg (Calculated according to GHS additivity formula)
Components	Test Results
N-(4-Aminophenyl)aniline (101-54-2)	Acute Dermal LD50 Rabbit: > 5000 mg/kg Acute Oral LD50 Rat: 464 mg/kg
N-(1,3-dimethylbutyl)-N'-phenyl-p- phenylenediamine (793-24-8)	Acute Dermal LD50 Rabbit: > 7940 mg/kg Acute Oral LD50 Rat: 893 mg/kg
N-methyl-2-pyrrolidone (872-50-4)	Acute Dermal LD50 Rabbit: > 5000 mg/kg Acute Inhalation LC50 Rat: > 5,1 mg/l 4 hour Acute Oral LD50 Rat: 4150 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
Hydrocarbons, C10, aromatics, <1% naphthalene (N/A)	Acute Dermal LD50 Rabbit: > 2000 mg/kg
Hydrocarbons, C10, aromatics, >1% naphthalene (N/A)	Acute Inhalation LC50 Rat: > 4688 mg/m3 4 hours (Saturated vapor concentration)
Hydrocarbons, C10, aromatics, <1% naphthalene (N/A)	Acute Inhalation LC50 Rat: > 4688 mg/m3 4 hours (Saturated vapor concentration)
Hydrocarbons, C10, aromatics, >1% naphthalene (N/A)	Acute Oral LD50 Rat: 7050 mg/kg
Hydrocarbons, C10, aromatics, >1% naphthalene (N/A)	Acute Oral LD50 Rat: > 2000 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	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	May damage fertility or the unborn child.
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	May be irritating to eyes.
Symptoms	Not available.
Aspiration hazard	May be fatal if swallowed and enters airways.



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Mixture versus substance information None known.

Other information Not available.

SECTION 12: Ecological information

12.1. Toxicity No data available

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential Not available.

Partition coefficient

n-octanol/water (log Kow)

N-methyl-2-pyrrolidone	-0,54
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.

Summary Processing with no release into waste water.

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.
(N-(1,3-dimethylbutyl)-N'-phenyl-p-phenylenediamine, 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.
(N-(1,3-dimethylbutyl)-N'-phenyl-p-phenylenediamine, 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

14.6. Special precautions Not available.
for user

ADN

14.1. UN number UN3082

14.2. UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(N-(1,3-dimethylbutyl)-N'-phenyl-p-phenylenediamine, 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 Not available.
for user

IATA

14.1. UN number UN3082

14.2. UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(N-(1,3-dimethylbutyl)-N'-phenyl-p-phenylenediamine, 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 Not available.
for user

IMDG

14.1. UN number UN3082

14.2. UN proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(N-(1,3-dimethylbutyl)-N'-phenyl-p-phenylenediamine, 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 Not available.
for user

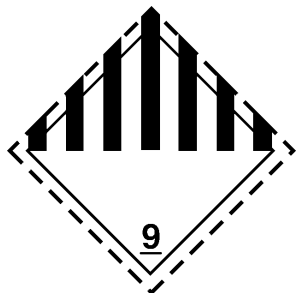
14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code This substance/mixture is not intended to be transported in bulk.



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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.

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

N-methyl-2-pyrrolidone (CAS 872-50-4)

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

N-methyl-2-pyrrolidone (CAS 872-50-4)

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

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)



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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.
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

H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H351 Suspected of causing cancer.
H360 May damage fertility or the unborn child.
H360D May damage the unborn child.
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

Physical & Chemical Properties: Multiple Properties
Toxicological Information: Toxicological Data
SECTION 16: Other information: Further information



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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) (EC) No 1272/2008 (EU) 2015/830 (EU) No 1357/2014
	This information is based on our current knowledge and is intended to describe the product for the purpose of safety requirements only. It should not therefore be construed as guaranteeing any specific property of the product.
Further information	Correction in Section: 2