



P&WC

# SAFETY DATA SHEET

## SPEC-AID 8Q5201 (FuelAid 5220)

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

#### 1.1. Product identifier

Trade name or designation of the mixture      SPEC-AID 8Q5201 (FuelAid 5220)

Date of first issue      20/03/2020

Version number      1.0

Revision date      20/03/2020

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

Identified uses      Cold flow improver

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

This product needs not to be classified with Hazard statement 304 as its kinetic viscosity is greater than 20,5 mm<sup>2</sup> /s

##### Health hazards

Carcinogenicity	Category 2	H351 - Suspected of causing cancer.
Specific target organ toxicity - single exposure	Category 3 narcotic effects	H336 - May cause drowsiness or dizziness.

##### Environmental hazards

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

#### 2.2. Label elements

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

Contains:      Hydrocarbons, C10, aromatics, >1% naphthalene, Naphthalene

##### Hazard pictograms





**P&WC**  
**SAFETY DATA SHEET**  
**SPEC-AID 8Q5201 (FuelAid 5220)**

<b>Signal word</b>	Warning
<b>Hazard statements</b>	
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H411	Toxic to aquatic life with long lasting effects.
<b>Precautionary statements</b>	
<b>Prevention</b>	
P261	Avoid breathing mist/vapor.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
<b>Response</b>	
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTRE/doctor if you feel unwell.
<b>Storage</b>	
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
<b>Disposal</b>	Not available.
<b>Supplemental label information</b>	EUH066 - Repeated exposure may cause skin dryness or cracking.
<b>2.3. Other hazards</b>	None known.

**SECTION 3: Composition/information on ingredients**

**Mixtures**

Chemical description	Polymer in aromatic solvent				
Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Naphthalene	5 - < 10	91-20-3 202-049-5	-	601-052-00-2	#
<b>Classification:</b>	Acute Tox. 4;H302, Carc. 2;H351, Aquatic Acute 1;H400, Aquatic Chronic 1;H410				
Vinyl neodecanoate	< 1	51000-52-3 256-905-8	-	-	
<b>Classification:</b>	Aquatic Acute 1;H400, Aquatic Chronic 1;H410				

**UVCB substance(s)**

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Hydrocarbons, C10, aromatics, >1% naphthalene	40 - 60	N/A 919-284-0	01-2119463588-24	-	
<b>Classification:</b>	Asp. Tox. 1;H304, STOT SE 3;H336, Carc. 2;H351, Aquatic Chronic 2;H411				

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**

<b>Inhalation</b>	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.
<b>Skin contact</b>	Take off immediately all contaminated clothing. Wash off immediately with plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.



P&WC

## SAFETY DATA SHEET

### SPEC-AID 8Q5201 (FuelAid 5220)

<b>Eye contact</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Rinse mouth. Do not induce vomiting. Do not give anything to eat or drink. Call a physician or poison control centre immediately.
<b>4.2. Most important symptoms and effects, both acute and delayed</b>	Vapours have a narcotic effect and may cause headache, fatigue, dizziness and nausea.
<b>4.3. Indication of any immediate medical attention and special treatment needed</b>	Not available.

#### SECTION 5: Firefighting measures

<b>5.1. Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Dry chemical, CO2, water spray or regular foam.
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>5.2. Special hazards arising from the substance or mixture</b>	During fire, gases hazardous to health may be formed.
<b>5.3. Advice for firefighters</b>	
<b>Special protective equipment for firefighters</b>	Self contained breathing apparatus. (CEN : EN 137) Protective clothing (CEN : EN 469) Protective gloves (CEN : EN 659) Helmet (CEN : EN 443)
<b>Special fire fighting procedures</b>	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

<b>6.1. Personal precautions, protective equipment and emergency procedures</b>	
<b>For non-emergency personnel</b>	Wear protective clothing, gloves and safety goggles.
<b>For emergency responders</b>	Use personal protection recommended in Section 8 of the SDS.
<b>6.2. Environmental precautions</b>	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.
<b>6.3. Methods and material for containment and cleaning up</b>	Absorb onto inert material and dispose of according to Hazardous Waste Regulations. After cleaning, flush away traces with water.
<b>6.4. Reference to other sections</b>	Please refer also to section no. 8 'Exposure controls' for further information.

#### SECTION 7: Handling and storage

<b>7.1. Precautions for safe handling</b>	Obtain special instructions before use.
<b>7.2. Conditions for safe storage, including any incompatibilities</b>	Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up.
<b>7.3. Specific end use(s)</b>	Only for professional and industrial users
<b>Shelf life</b>	720 days

#### SECTION 8: Exposure controls/personal protection

##### 8.1. Control parameters



# P&WC

## SAFETY DATA SHEET

### SPEC-AID 8Q5201 (FuelAid 5220)

#### Occupational exposure limits

**UAE. OELs. Maximum Allowable Limits for Air Pollutants in Working Areas [Law to Protect the Air from Pollution, Resolution of the Cabinet of Ministers No. 12 of 2006]**

Components	Type	Value
Naphthalene (CAS 91-20-3)	STEL	79 mg/m <sup>3</sup>
		15 ppm
	TWA	52 mg/m <sup>3</sup>
		10 ppm

#### US. ACGIH Threshold Limit Values

Components	Type	Value
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 <sup>3</sup>
		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

UVCB substance(s)	Value	Assessment factor	Notes
Hydrocarbons, C10, aromatics, >1% naphthalene (CAS N/A)			
Long-term, Systemic, Dermal	12,5 mg/kg/day		
Long-term, Systemic, Inhalation	151 mg/m <sup>3</sup>		

**Predicted no effect concentrations (PNECs)** Not available.

#### Exposure guidelines

##### Belgium OELs: Skin designation

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

#### 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** Safety goggles.  
CEN : EN 166

##### Skin protection

**- Hand protection** Nitrile gloves (Protection against unintentional short-term contact)  
Neoprene gloves (Protection against unintentional short-term contact)  
PVC gloves (Protection against unintentional short-term contact)  
Coating thickness: 0.7 mm  
Penetration time: > 480 min  
CEN : EN 374-1/2/3/4; EN 420

**- Other** Wear appropriate chemical resistant clothing.  
Use of impervious boots is recommended.  
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



P&WC

# SAFETY DATA SHEET

## SPEC-AID 8Q5201 (FuelAid 5220)

<b>Appearance</b>	
Colour	Yellow
Physical state	Liquid
<b>Odour</b>	Hydrocarbon
<b>Odour threshold</b>	Not available.
<b>pH (concentrated product)</b>	Not available.
<b>pH in aqueous solution</b>	7,6 (5% extract)
<b>Melting point/freezing point</b>	-2 °C
<b>Initial boiling point and boiling range</b>	177 °C
<b>Flash point</b>	63 °C P-M(CC)
<b>Evaporation rate</b>	< 1 (Ether = 1)
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
<b>Vapour pressure</b>	< 5 mm Hg
<b>Vapour pressure temp.</b>	21 °C
<b>Vapour density</b>	> 1 (Air = 1)
<b>Relative density</b>	0,92
<b>Relative density temperature</b>	21 °C
<b>Solubility</b>	
Solubility (water)	< 0,1 %
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not applicable.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	57 cps
<b>Viscosity temperature</b>	21 °C
<b>Explosive properties</b>	Not available.
<b>Oxidising properties</b>	Not available.
<b>9.2. Other information</b>	
Pour point	1 °C
Shelf life	720 days
VOC	59 % (Calculated)

### SECTION 10: Stability and reactivity

<b>10.1. Reactivity</b>	Not available.
<b>10.2. Chemical stability</b>	Material is stable under normal conditions.
<b>10.3. Possibility of hazardous reactions</b>	Not applicable.
<b>10.4. Conditions to avoid</b>	None under normal conditions.
<b>10.5. Incompatible materials</b>	Strong oxidising agents.
<b>10.6. Hazardous decomposition products</b>	Carbon oxides.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Material name: SPEC-AID 8Q5201 (FuelAid 5220)



# P&WC

## SAFETY DATA SHEET

### SPEC-AID 8Q5201 (FuelAid 5220)

Product	Test Results
SPEC-AID 8Q5201 (FuelAid 5220) (Mixture)	Acute Dermal LD50 Rabbit: > 2000 mg/kg (Calculated according to GHS additivity formula) Acute Oral LD50 Rat: > 2000 mg/kg (Calculated according to GHS additivity formula)
Components	Test Results
Naphthalene (91-20-3)	Acute Dermal LD50 Rabbit: > 16000 mg/kg Acute Oral LD50 Rat: > 2000 mg/kg
UVCB substance(s)	Test Results
Hydrocarbons, C10, aromatics, >1% naphthalene (N/A)	Acute Dermal LD50 Rabbit: > 2000 mg/kg Acute Inhalation LC50 Rat: > 4688 mg/m <sup>3</sup> (Saturated vapor concentration) Acute Oral LD50 Rat: > 2000 mg/kg

<b>Acute toxicity</b>	Based on available data, the classification criteria are not met.
<b>Skin corrosion/irritation</b>	Based on available data, the classification criteria are not met.
<b>Serious eye damage/irritation</b>	May be irritating to eyes.
<b>Respiratory or skin sensitisation</b>	Based on available data, the classification criteria are not met.
<b>Specific target organ toxicity - repeated exposure</b>	Based on available data, the classification criteria are not met.
<b>Specific target organ toxicity - single exposure</b>	Narcotic effects. May cause drowsiness or dizziness.
<b>Carcinogenicity</b>	May cause cancer.
<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met.
<b>Reproductive toxicity</b>	Based on available data, the classification criteria are not met.

#### Information on likely routes of exposure

<b>Ingestion</b>	May cause irritation of the gastrointestinal tract.
<b>Inhalation</b>	Vapours have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Prolonged or excessive inhalation may cause respiratory tract irritation.
<b>Skin contact</b>	Repeated exposure may cause skin dryness or cracking. May be irritating to the skin.
<b>Eye contact</b>	May be irritating to eyes.
<b>Symptoms</b>	Not available.
<b>Aspiration hazard</b>	Based on available data, the classification criteria are not met.
<b>Mixture versus substance information</b>	None known.
<b>Other information</b>	Not available.

#### SECTION 12: Ecological information

<b>12.1. Toxicity</b>	No data available
<b>12.2. Persistence and degradability</b>	No data is available on the degradability of this product.
<b>12.3. Bioaccumulative potential</b>	Not available.
<b>Partition coefficient n-octanol/water (log Kow)</b>	
Naphthalene	3,3
<b>Bioconcentration factor (BCF)</b>	Not available.
<b>12.4. Mobility in soil</b>	Not available.



P&WC

# SAFETY DATA SHEET

## SPEC-AID 8Q5201 (FuelAid 5220)

**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 01 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



P&WC

# SAFETY DATA SHEET

## SPEC-AID 8Q5201 (FuelAid 5220)

**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** 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.





**P&WC**  
**SAFETY DATA SHEET**  
**SPEC-AID 8Q5201 (FuelAid 5220)**

**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**  
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.**  
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**

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).  
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).



# P&WC

## SAFETY DATA SHEET

### SPEC-AID 8Q5201 (FuelAid 5220)

---

<b>References</b>	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.
<b>Information on evaluation method leading to the classification of mixture</b>	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).
<b>Full text of any H-statements not written out in full under Sections 2 to 15</b>	H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. H336 May cause drowsiness or dizziness. H351 Suspected of causing cancer. 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.
<b>Revision information</b>	Product and Company Identification: Product and Company Identification Composition / Information on Ingredients: Ingredients
<b>Training information</b>	Provide training on safe handling while considering the type of application and exposure scenarios.
<b>Based on EC Directive / Regulations</b>	(EC) No 1907/2006 (REACH) (EC) No 1272/2008 (EU) No 1357/2014 (EU) 2015/830
<b>Further information</b>	Initial issue