SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

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

1.1.Productidentifier

Product name Astral Spray Clean N Shine

Chemical name

Product number AST-SCS

1.2.Relevantidentifiedusesofthesubstanceormixtureandusesadvisedagainst

Identified uses Car maintenance product. - Dressing

Uses advised against For professional use only. This product is not recommended for any industrial, professional or consumer use other than the Identified uses above.

1.3.Detailsofthesupplierofthesafetydatasheet

Supplier Astral CSL

Pilkingtons Industrial Estate

Rake Lane

Swinton M27 8LP

Contact person R.Murie

Manufacturer

1.4.Emergencytelephonenumber

Emergency sales@astralcsl.co.uk 0161 643 0260

If you urgently need medical help or advice but it's not a life-threatening situation, call 111 free from any phone to speak to an NHS adviser. The 24-hour NHS 111 service can give you healthcare advice or direct you to the local service that can help you best.

If NHS 111 does not yet cover your area, you can call NHS Direct in England or Wales on 08 45 46 47* or NHS 24 in Scotland on 0845 24 24 24* (UK Only) The NHS 111 service will also be available via the harmonised European number for medical advice 116 117
* Calls to 084 numbers are charged at a higher rate than standard calls on BT's most popular call plan (BT Unlimited Weekend). Mobile and other providers costs will vary and you should check the costs of calls with your provider

SECTION 2: Hazards identification

2.1.Classificationofthesubstanceormixture

Classification

Physical hazards

Not Classified

Health hazards

Skin Irrit. 2 - H315 Elicitation - EUH208

Environmental hazards

Aquatic Chronic 2 - H411

.

Classification (67/548/EEC or 1999/45/EC)
R52/53.

2.2.Labelelements

Pictogram


Signal word Warning

Hazard statements

EUH208 Contains d-LIMONENE. May produce an allergic reaction.
H315 Causes skin irritation.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P273 Avoid release to the environment.
P280 Wear protective gloves.
P302+P352 IF ON SKIN: Wash with plenty of water.
P391 Collect spillage.
P501 Dispose of contents/container in accordance with national regulations.

Detergent labelling < 5% cationic surfactants, < 5% non-ionic surfactants, < 5% perfumes, Contains d-LIMONENE, CITRAL

Supplementary precautionary statements

P264 Wash contaminated skin thoroughly after handling. P332+P313
If skin irritation occurs: Get medical advice/attention. P362+P364
Take off contaminated clothing and wash it before reuse.

2.3.Otherhazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2.Mixtures

Naphtha (petroleum), hydrodesulfurized heavy **5-10%**
CAS number: 64742-82-1 **EC number:** 265-185-4

Classification	**Classification (67/548/EEC or 1999/45/EC)**
Flam. Liq. 3 - H226 R10,R67. STOT SE 3 - H336 Aquatic Chronic 2 - H411	N;R51/53.

2,2'-(Octadec-9-enylimino)bisethanol **2-5%**
CAS number: 25307-17-9 **EC number:** 246-807-3 **REACH registration number:** 01-2119510876-35-XXXX
M factor (Acute) = 10 **M factor (Chronic)** = 1

Classification	**Classification (67/548/EEC or 1999/45/EC)**
Acute Tox. 4 - H302 N;R50. Skin Corr. 1B - H314 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Xn;R22. C;R34.

Distillates (petroleum), hydrotreated light. **0.7-1.0%**

CAS number: 64742-47-8 **EC number:** 265-149-8 **REACH registration number:** 01-2119484819-18-XXXX
Substance with a Community workplace exposure limit.

Classification	Classification (67/548/EEC or 1999/45/EC)
Asp. Tox. 1 - H304	Xn;R65. R66.

PROPAN-2-OL **0.2-0.5%**

CAS number: 67-63-0 **EC number:** 200-661-7 **REACH registration number:** 01-2119457558-25-xxxx
Substance with a Community workplace exposure limit.

Classification	Classification (67/548/EEC or 1999/45/EC)
Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336	F;R11 Xi;R36 R67

d-LIMONENE **0.1-0.2%**

CAS number: 5989-27-5 **EC number:** 227-813-5
M factor (Acute) = 1

Classification	Classification (67/548/EEC or 1999/45/EC)
Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Asp. Tox. 1 - H304 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	R10 R43 Xi;R38 N;R50/53

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation

Move affected person to fresh air at once. Get medical attention if any discomfort continues.

Ingestion

Do not induce vomiting. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. Do not induce vomiting.

Skin contact

Wash skin thoroughly with soap and water. Use suitable lotion to moisturise skin. Get medical attention if any discomfort continues.

Eye contact

Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

General information

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation

Vapours may cause headache, fatigue, dizziness and nausea.

Ingestion

May cause stomach pain or vomiting.

Skin contact

Prolonged skin contact may cause redness and irritation.

Eye contact

May cause temporary eye irritation.

4.3.Indicationofanyimmediatemedicalattentionandspecialtreatmentneeded

Notes for the doctor

No specific recommendations. If in doubt, get medical attention promptly.

SECTION 5: Firefighting measures

5.1.Extinguishingmedia

Suitable extinguishing media

The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

5.2.Specialhazardsarisingfromthesubstanceormixture

Specific hazards

Oxides of the following substances: Carbon. No unusual fire or explosion hazards noted.

Hazardous combustion products

Oxides of carbon. Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m3.

5.3.Adviceforfirefighters

Protective actions during firefighting

No specific firefighting precautions known. Avoid breathing fire gases or vapours.

Special protective equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1.Personalprecautions,protectiveequipmentandemergencyprocedures

Personal precautions

For personal protection, see Section 8.

6.2.Environmentalprecautions

Environmental precautions

Do not discharge into drains or watercourses or onto the ground. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

6.3.Methodsandmaterialforcontainmentandcleaningup

Methods for cleaning up

Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13. Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Flush contaminated area with plenty of water. Take care as floors and other surfaces may become slippery. Flush contaminated area with plenty of water. The requirements of the local water authority must be complied with if contaminated water is flushed directly to the sewer.

6.4.Referencetoothersections

Reference to other sections

For personal protection, see Section 8. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1.Precautionsforsafehandling

Usage precautions

Avoid spilling. Avoid contact with skin and eyes. Avoid inhalation of vapours. During application and drying, solvent vapours will be emitted. Good personal hygiene procedures should be implemented.

7.2.Conditionsforsafestorage,includinganyincompatibilities

Storage precautions

Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep above the chemical's freezing point to avoid rupturing the container.

Storage class

Chemical storage.

7.3.Specificenduse(s)

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1.Controlparameters

Occupationalexposurelimits

Distillates (petroleum), hydrotreated light.

Long-term exposure limit (8-hour TWA): WEL 1000 mg/m3
Short-term exposure limit (15-minute): WEL

PROPAN-2-OL

Long-term exposure limit (8-hour TWA): WEL 400 ppm 999 mg/m3
Short-term exposure limit (15-minute): WEL 500 ppm 1250 mg/m3
WEL = Workplace Exposure Limit

2,2'-(Octadec-9-enylimino)bisethanol(CAS:25307-17-9)

Ingredient comments
No exposure limits known for ingredient(s).

DNEL
Workers - Dermal; Long term systemic effects: 0.25 mg/kg/day
Workers - Inhalation; Long term systemic effects: 1.76 mg/m³
Consumer - Dermal; Long term systemic effects: 0.179 mg/kg/day
Consumer - Inhalation; Long term systemic effects: 0.621 mg/m³
Consumer - Oral; Long term systemic effects: 0.179 mg/kg/day

PNEC
- Fresh water; 0.000214 mg/l
- Marine water; 0.000021 mg/l
- STP; 1.5 mg/l
- Sediment (Freshwater); 1.692 mg/kg
- Sediment (Marinewater); 0.1692 mg/kg
- Soil; 5 mg/kg

Dicocodimethylammoniumchloride(CAS:61789-77-3)

Ingredient comments
No exposure limits known for ingredient(s)

Distillates(petroleum),hydrotreatedlight.(CAS:64742-47-8)

DNEL
Consumer - Oral; Long term : 19 mg/kg/day

PROPAN-2-OL(CAS:67-63-0)

DNEL
Industry - Inhalation; Long term systemic effects: 500 mg/m3
Consumer - Dermal; Long term systemic effects: 319 mg/kg/day
Consumer - Oral; Long term systemic effects: 26 mg/kg/day
Consumer - Inhalation; Long term systemic effects: 89 mg/m3
Industry - Dermal; Long term systemic effects: 888 mg/kg/day

PNEC
- Fresh water; 140.9 mg/l
- Marine water; 140.9 mg/l
- Intermittent release; 140.9 mg/l
- Sediment (Freshwater); 552 mg/kg
- Sediment (Marinewater); 552 mg/kg
- STP; 2251 mg/l
- Soil; 28 mg/kg

8.2.Exposurecontrols

Protective equipment

Appropriate engineering controls

No specific ventilation requirements. This product must not be handled in a confined space without adequate ventilation.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. Wear protective gloves made of the following material: Polyvinyl chloride (PVC). Rubber (natural, latex). The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material.

Other skin and body protection

Provide eyewash station.

Hygiene measures

Provide eyewash station. Do not smoke in work area. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

Respiratory protection

No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit. If ventilation is inadequate, suitable respiratory protection must be worn. Wear a respirator fitted with the following cartridge: Combination filter, type A2/P3.

SECTION 9: Physical and Chemical Properties

9.1.Informationonbasicphysicalandchemicalproperties

Appearance

Liquid.

Colour

Orange.

Odour

Pleasant, agreeable.

Odour threshold

Not available. Not available.

pH

pH (concentrated solution): ~ 8.1 pH (diluted solution): ~ 6.7 @ 1%

Melting point

~0°C

Initial boiling point and range

~100°C @

Flash point

> 62°C CC (Closed cup).

Evaporation rate

Not available.

Upper/lower flammability or explosive limits

Not available. : :

Vapour pressure

Not available.

Vapour density

Not available.

Relative density

~ 0.965 @ (20°C)°C

Solubility(ies)

Miscible with water.

Partition coefficient

Not available.

Auto-ignition temperature

Not available.

Decomposition Temperature

Not available.

Viscosity

Not applicable.

Oxidising properties

Not applicable.

Comments

Information declared as "Not available" or "Not applicable" is not considered to be relevant to the implementation of the proper control measures.

9.2.Otherinformation

Volatile organic compound

This product contains a maximum VOC content of 79 g/litre.

SECTION 10: Stability and reactivity

10.1.Reactivity

There are no known reactivity hazards associated with this product.

10.2.Chemicalstability

Stability

No particular stability concerns. Stable at normal ambient temperatures and when used as recommended.

10.3.Possibilityofhazardousreactions

Not applicable. Will not polymerise.

10.4.Conditionstoavoid

Avoid excessive heat for prolonged periods of time.

10.5.Incompatiblematerials

Materials to avoid

No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6.Hazardousdecompositionproducts

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO_2).

SECTION 11: Toxicological information

11.1.Informationontoxicologicaleffects

Other health effects

There is no evidence that the product can cause cancer.

Acutetoxicity-oral

ATE oral (mg/kg)

25,000.0

General information

This product has low toxicity. Only large quantities are likely to have adverse effects on human health.

Inhalation

Vapours may cause headache, fatigue, dizziness and nausea.

Ingestion

May cause stomach pain or vomiting. Pneumonia may be the result if vomited material containing solvents reaches the lungs.

Skin contact

May cause defatting of the skin but is not an irritant. The product contains a small amount of sensitising substance. May cause sensitisation or allergic reactions in sensitive individuals.

Eye contact

No specific health hazards known. Vapour or spray in the eyes may cause irritation and smarting.

Acute and chronic health hazards

No specific long-term effects known. Prolonged or repeated exposure may cause the following adverse effects: Defatting, drying

and cracking of skin.

Medical symptoms

No specific symptoms noted, but this chemical may still have adverse health impact, either in general or on certain individuals.

Medical considerations

Allergies.

Toxicologicalinformationoningredients.

Naphtha(petroleum),hydrodesulfurizedheavy

Other health effects

There is no evidence that the product can cause cancer.

Distillates(petroleum),hydrotreatedlight.

Acutetoxicity-oral

Acute toxicity oral (LD50 mg/kg)

5,000

Species

Rat

Acutetoxicity-dermal

Acute toxicity dermal (LD50 mg/kg)

2000

Species

Rabbit

Skincorrosion/irritation

Animal data

Erythema/eschar score: No erythema (0). Oedema score: No oedema (0). Not irritating.

Human skin model test

Not available.

Seriouseyedamage/irritation

Not irritating.

Respiratorysensitisation

There is no evidence that the material can lead to respiratory hypersensitivity.

Skinsensitisation

Buehler test: - Guinea pig: Not sensitising.

Germcellmutagenicity

Genotoxicity - in vitro

: Negative. This substance has no evidence of mutagenic properties.

Genotoxicity - in vivo

: Negative. This substance has no evidence of mutagenic properties.

Carcinogenicity

There is no evidence that the product can cause cancer.

Specifictargetorgantoxicity-repeatedexposure

STOT - repeated exposure

NOAEL 750 mg/kg, Oral, Rat

Inhalation

No specific health hazards known.

Ingestion

Harmful: may cause lung damage if swallowed. Pneumonia may be the result if vomited material containing solvents reaches the lungs.

Skin contact

No specific health hazards known. Not a skin sensitiser.

Eye contact

No specific health hazards known.

Medical symptoms

Skin irritation.

PROPAN-2-OL

Other health effects

There is no evidence that the product can cause cancer. IARC Not Listed. NTP Not Listed. OSHA Not Regulated.

Acutetoxicity-oral

Acute toxicity oral (LD50 mg/kg)

5,840

Species

Rat

Acutetoxicity-dermal

Acute toxicity dermal (LD50 mg/kg)

16.4

Species

Rabbit

Respiratorysensitisation

Not sensitising.

Skinsensitisation

Not sensitising.

Inhalation

Drowsiness, dizziness, disorientation, vertigo.

Ingestion

No specific health hazards known.

Skin contact

No specific health hazards known.

Eye contact

Irritating to eyes.

d-LIMONENE

Skin contact

The product contains a small amount of sensitising substance. May cause sensitisation or allergic reactions in sensitive individuals.

SECTION 12: Ecological Information

Ecotoxicity

The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

Ecologicalinformationoningredients.

Naphtha(petroleum),hydrodesulfurizedheavy

Ecotoxicity

The product contains a substance which is toxic to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

2,2'-(Octadec-9-enylimino)bisethanol

Ecotoxicity

The product contains a substance which is very toxic to aquatic organisms.

Distillates(petroleum),hydrotreatedlight.

Ecotoxicity

The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

PROPAN-2-OL

Ecotoxicity

The product is not expected to be hazardous to the environment.

12.1.Toxicity

Acute toxicity - fish
Not determined.
Acute toxicity - aquatic invertebrates
Not determined.
Acute toxicity - aquatic plants
Not determined.
Acute toxicity - microorganisms
Not determined.
Acute toxicity - terrestrial
Not determined.

Ecologicalinformationoningredients.

2,2'-(Octadec-9-enylimino)bisethanol

Acuteaquatictoxicity

$LE(C)_{00}$
0.1 < L(E)C50 ≤ 1 0.01 < L(E)C50 ≤ 0.1
M factor (Acute)
10
Acute toxicity - fish
$LC_{5\ 5}$, 96 hours: 0.39 mg/l, Fish
Acute toxicity - aquatic invertebrates
$EC_{5\ 5}$, 48 hours: 0.1 mg/l, Daphnia magna
Acute toxicity - aquatic plants
$IC_{5\ 5}$, 72 hours: 0.01-0.1 mg/l, Algae

Chronicaquatictoxicity

M factor (Chronic)
1

Dicocodimethylammoniumchloride

Acuteaquatictoxicity

$LE(C)_{00}$
0.1 < L(E)C50 ≤ 1 0.1 < L(E)C50 ≤ 1
M factor (Acute)
1
Acute toxicity - fish
$LC_{5\ 5}$, 96 hours: 0.195 mg/l, Fish
Acute toxicity - aquatic invertebrates
$EC_{5\ 5}$, 48 hours: 0.01-0.1 mg/l, Daphnia magna

Distillates(petroleum),hydrotreatedlight.

Acute toxicity - fish
$LC_{5\ 5}$, 96 hours: > 2-5 mg/l, Fish
Acute toxicity - aquatic invertebrates
$EC_{5\ 5}$, 48 hours: 1.4 mg/l, Daphnia magna
Acute toxicity - aquatic plants
$IC_{5\ 5}$, 72 hours: 1-3 mg/l, Algae

PROPAN-2-OL

Acute toxicity - fish
LC50, 96 hours: ~9640 mg/l, Pimephales promelas (Fat-head Minnow)
Acute toxicity - aquatic invertebrates
$EC_{5\ 5}$, >: > 1000 mg/l, Daphnia magna
Acute toxicity - aquatic plants
$EC_{5\ 5}$, 72 hours: > 1000 mg/l, Scenedesmus subspicatus
Acute toxicity - microorganisms
$EC_{5\ 5}$, >: > 1000 mg/l, Activated sludge

d-LIMONENE

Acuteaquatictoxicity

LE(C)$_{00}$

0.1 < L(E)C50 ≤ 1 0.1 < L(E)C50

≤

1

M factor (Acute)

1

Chronicaquatictoxicity

NOEC

0.01 < NOEC ≤ 0.1

Degradability

Rapidly degradable

12.2.Persistenceanddegradability

Persistence and degradability

The product is biodegradable but it must not be discharged into drains without permission from the authorities.

Ecologicalinformationoningredients.

Naphtha(petroleum),hydrodesulfurizedheavy

Persistence and degradability

Volatile substances are degraded in the atmosphere within a few days.

2,2'-(Octadec-9-enylimino)bisethanol

Persistence and degradability

The product is readily biodegradable.

Dicocodimethylammoniumchloride

Persistence and degradability

The product is biodegradable.

Distillates(petroleum),hydrotreatedlight.

Persistence and degradability

Volatile substances are degraded in the atmosphere within a few days.

PROPAN-2-OL

Persistence and degradability

The product is expected to be biodegradable.

Biodegradation

Degradation (%) - 95: 21 days

Biological oxygen demand

~ 1171 g O2/g substance

Chemical oxygen demand

~ 2294 g O2/g substance

d-LIMONENE

Persistence and degradability

Volatile substances are degraded in the atmosphere within a few days.

12.3.Bioaccumulativepotential

The product contains potentially bioaccumulating substances.

Partition coefficient

Not available.

Ecologicalinformationoningredients.

Naphtha(petroleum),hydrodesulfurizedheavy

Bioaccumulation is unlikely to be significant because of the low water-solubility of this product.

2,2'-(Octadec-9-enylimino)bisethanol

No data available on bioaccumulation.

Dicocodimethylammoniumchloride

The product does not contain any substances expected to be bioaccumulating.

Distillates(petroleum),hydrotreatedlight.

Bioaccumulation is unlikely to be significant because of the low water-solubility of this product.

PROPAN-2-OL

The product is not bioaccumulating.

Partition coefficient

log Pow: 0.05

d-LIMONENE

The product contains potentially bioaccumulating substances.

12.4.Mobilityinsoil

Mobility

The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces. The product contains substances which are water-soluble and may spread in water systems.

Ecologicalinformationoningredients.

Naphtha(petroleum),hydrodesulfurizedheavy

Mobility

The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

Dicocodimethylammoniumchloride

Mobility

The product is soluble in water.

Distillates(petroleum),hydrotreatedlight.

Mobility

The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces. The product is insoluble in water and will spread on the water surface.

Henry's law constant

Not available.

PROPAN-2-OL

Mobility

The product is soluble in water.

Adsorption/desorption coefficient

Soil - Koc: ~ 1.1 @ °C

Henry's law constant

0.00000338 atm m3/mol @ 25°C°C

d-LIMONENE

Mobility

The product is insoluble in water.

12.5.ResultsofPBTandvPvBassessment

This product does not contain any substances classified as PBT or vPvB.

Ecologicalinformationoningredients.

Distillates(petroleum),hydrotreatedlight.

This substance is not classified as PBT or vPvB according to current EU criteria.

PROPAN-2-OL

This substance is not classified as PBT or vPvB according to current EU criteria.

12.6.Otheradverseeffects

Not applicable.

SECTION 13: Disposal considerations

13.1.Wastetreatmentmethods

General information

The packaging must be empty (drop-free when inverted).

Disposal methods

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
Packaging: Reuse or recycle products wherever possible.

SECTION 14: Transport information

14.1.UNnumber

UN No. (ADR/RID)	3082
UN No. (IMDG)	3082
UN No. (ICAO)	3082

14.2.UNpropershippingname

Proper shipping name (ADR/RID)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (NAPHTHA (PETROLEUM), HYDRODESULFURIZED HEAVY)
Proper shipping name (IMDG)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (NAPHTHA (PETROLEUM), HYDRODESULFURIZED HEAVY)
Proper shipping name (ICAO)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (NAPHTHA (PETROLEUM), HYDRODESULFURIZED HEAVY)
Proper shipping name (ADN)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (NAPHTHA (PETROLEUM), HYDRODESULFURIZED HEAVY)

14.3.Transporthazardclass(es)

ADR/RID class	9
ADR/RID subsidiary risk	
ADR/RID label	9
IMDG class	9
IMDG subsidiary risk	
ICAO class/division	9
ICAO subsidiary risk	

Transport labels

14.4.Packinggroup

ADR/RID packing group	III
IMDG packing group	III
ICAO packing group	III

14.5.Environmentalhazards

Environmentally hazardous substance/marine pollutant

Yes.

14.6.Specialprecautionsforuser

EmS	F-A, S-F
Emergency Action Code	• 3Z
Hazard Identification Number (ADR/RID)	90
Tunnel restriction code	(E)

14.7.TransportinbulkaccordingtoAnnexIIofMARPOL73/78andtheIBCCode

Not applicable.

SECTION 15: Regulatory information

15.1.Safety,healthandenvironmentalregulations/legislationspecificforthesubstanceormixture

National regulations
Commission Decision 2000/532/EC as amended by Decision 2001/118/EC establishing a list of wastes and hazardous waste pursuant to Council Directive 75/442/EEC on waste and Directive 91/689/EEC on hazardous waste with amendments.

EU legislation
Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Guidance
Workplace Exposure Limits EH40. Safety Data Sheets for Substances and Preparations.

Health and environmental listings
Regulation (EC) 689/2008 of the European Parliament and of the Council of 17 June 2008 concerning the export and import of dangerous chemicals (as amended).

Water hazard classification
WGK 2

15.2.Chemicalsafetyassessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Risk phrases in full

R10 Flammable.

R11 Highly flammable.

R22 Harmful if swallowed.

R34 Causes burns.

R36 Irritating to eyes.

R38 Irritating to skin.

R43 May cause sensitisation by skin contact.

R50 Very toxic to aquatic organisms.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65 Harmful: may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

Hazard statements in full

EUH208 Contains d-LIMONENE. May produce an allergic reaction. H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

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.