





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

- **1.1 Product identifier**
- **Trade name:** N 499 LUSTRE VIOLET
- **Article number:** 88020061
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture**
Decoration materials or decoration aids for glass or porcelain ware.
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Heraeus Precious Metals GmbH & Co. KG
Heraeusstr. 12-14
D-63450 Hanau
- **Further information obtainable from:**
Electronic Materials Division
Telefon: 0049 6181-35 4217
Telefax: 0049 6181-35 16 4217
Mail: tfd-msds@heraeus.com
- **1.4 Emergency telephone number:**
24-h-Number:
0049 6132-84463

2 Hazards identification

- **2.1 Classification of the substance or mixture**
 - **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**
 -  **T; Toxic**
R49-61: May cause cancer by inhalation. May cause harm to the unborn child.
 -  **Xn; Harmful**
R40: Limited evidence of a carcinogenic effect.
 -  **Xn; Sensitising**
R42/43: May cause sensitisation by inhalation and skin contact.
 -  **Xi; Irritant**
R36/38: Irritating to eyes and skin.
R10: Flammable.
 - **Information concerning particular hazards for human and environment:**
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
Has a narcotizing effect.
 - **Classification system:**
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
-
- **2.2 Label elements**
 - **Labelling according to EU guidelines:**
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

(Contd. on page 2)

Trade name: N 499 LUSTRE VIOLET

(Contd. of page 1)

· Code letter and hazard designation of product:



T Toxic
N Dangerous for the environment

· Hazard-determining components of labelling:

Rosin
dichlormethane
2-ethylhexanoic acid, nickel salt
dipentene

· Risk phrases:

49 May cause cancer by inhalation.
61 May cause harm to the unborn child.
10 Flammable.
36/38 Irritating to eyes and skin.
40 Limited evidence of a carcinogenic effect.
42/43 May cause sensitisation by inhalation and skin contact.

· Safety phrases:

53 Avoid exposure - obtain special instructions before use.
1/2 Keep locked up and out of the reach of children.
23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).
29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.
36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
63 In case of accident by inhalation: remove casualty to fresh air and keep at rest.

· 2.3 Other hazards

· Results of PBT and vPvB assessment

· **PBT:** Not applicable.
· **vPvB:** Not applicable.

3 Composition/information on ingredients

· 3.2 Chemical characterization: Mixtures

· Description: gold sulforesinate, metal resins, synthetic and natural resins dissolved in organic solvents

· Dangerous components:

CAS: 8050-09-7 EINECS: 232-475-7 Index number: 650-015-00-7 Reg.nr.: 01-2119480418-32	Rosin ☒ Xi R43 ⚠ Skin Sens. 1, H317	10-25%
CAS: 64742-95-6 EINECS: 265-199-0 Index number: 649-356-00-4	Solvent naphtha (petroleum), light arom. ☒ Xn R65; ☒ N R51/53 R10-66-67 ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ STOT SE 3, H335-H336	10-25%
CAS: 68917-18-0 EINECS: 290-058-5	Oils, mint ☒ Xn R22 ⚠ Acute Tox. 4, H302	5-10%

(Contd. on page 3)

Trade name: N 499 LUSTRE VIOLET

(Contd. of page 2)

CAS: 91-17-8 EINECS: 202-046-9	Decahydronaphthalene C R34; Xn R20-65 R53 ----- Flam. Liq. 3, H226; Acute Tox. 3, H331; Asp. Tox. 1, H304; Skin Corr. 1B, H314; Aquatic Chronic 4, H413	5-10%
CAS: 75-09-2 EINECS: 200-838-9 Index number: 602-004-00-3	dichlormethane Xn R40 Carc. Cat. 3 ----- Carc. 2, H351	5-10%
CAS: 98-55-5 EINECS: 202-680-6	p-menth-1-en-8-ol Xi R38 ----- Skin Irrit. 2, H315	2,5-5%
CAS: 76-22-2 EINECS: 200-945-0 Index number: 021-368-68-3	bornan-2-one Xi R36/37/38; F R11 ----- Flam. Sol. 2, H228; Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	2,5-5%
	Gold sulforesinate F R11 ----- Flam. Sol. 1, H228	2,5-5%
CAS: 7785-26-4 EINECS: 232-077-3 Index number: 650-002-00-6	(-)-pin-2(3)-ene Xn R65; N R51/53 R10 ----- Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411	2,5-5%
CAS: 138-86-3 EINECS: 205-341-0 Index number: 601-029-00-7	dipentene Xi R38; Xi R43; N R50/53 R10 ----- Flam. Liq. 3, H226; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; Skin Sens. 1, H317	2,5-5%
CAS: 84929-31-7 EINECS: 284-515-8	Lemon, ext. Xn R65 R10 ----- Flam. Liq. 3, H226; Asp. Tox. 1, H304	≤ 2,5%
CAS: 1304-85-4 EINECS: 215-136-8	bismuth nitrate, basic Xi R36/37/38; O R8 ----- Ox. Sol. 2, H272; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	≤ 2,5%
CAS: 7580-31-6 EINECS: 231-480-1 Index number: 028-054-00-0	2-ethylhexanoic acid, nickel salt T Repr. Cat. 2 R49-61-48/23; Xn R68; Xn R42/43; N R50/53 Carc. Cat. 1, Muta. Cat. 3 ----- Resp. Sens. 1, H334; Muta. 2, H341; Carc. 1A, H350i; Repr. 1B, H360D; STOT RE 1, H372; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1, H317	≤ 2,5%
CAS: 108-88-3 EINECS: 203-625-9 Index number: 601-021-00-3	toluene Xn R48/20-63-65; Xi R38; F R11 R67 Repr. Cat. 3 ----- Flam. Liq. 2, H225; Repr. 2, H361d; STOT RE 2, H373; Asp. Tox. 1, H304; Skin Irrit. 2, H315; STOT SE 3, H336	≤ 2,5%
CAS: 8052-41-3 EINECS: 232-489-3 Index number: 649-345-00-4	Stoddard solvent Xn R65 ----- Flam. Liq. 3, H226; Asp. Tox. 1, H304	≤ 2,5%

(Contd. on page 4)

Trade name: N 499 LUSTRE VIOLET

		(Contd. of page 3)
CAS: 78-70-6 EINECS: 201-134-4	Linalool ☒ Xi R43 ⚠ Skin Sens. 1, H317	≤ 1.0%
CAS: 68526-86-3 EINECS: 271-235-6	Alcohols, C11-14-iso-, C13-rich ☒ N R50 ⚠ Aquatic Acute 1, H400	≤ 1.0%
CAS: 586-62-9 EINECS: 209-578-0	Cyclohexene, 1-methyl-4-(1-methylethylidene)- ☒ Xn R65; ☒ N R51/53 R10 ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411	≤ 1.0%
CAS: 8006-64-2 EINECS: 232-350-7 Index number: 650-002-00-6	Turpentine, oil ☒ Xn R20/21/22-65; ☒ Xi R36/38; ☒ Xi R43; ☒ N R51/53 R10 ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	≤ 0.5%
CAS: 106-24-1 EINECS: 203-377-1	Geraniol ☒ Xi R38; ☒ Xi R43 ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	≤ 0.5%

· **Additional information:** For the wording of the listed risk phrases refer to section 16.

4 First aid measures

· 4.1 Description of first aid measures

· After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

· After skin contact:

Immediately wash with water and soap and rinse thoroughly.

Immediately rinse with water.

· After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· After swallowing: If symptoms persist consult doctor.

· 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.

· 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Firefighting measures

· 5.1 Extinguishing media

· Suitable extinguishing agents: CO₂, sand, extinguishing powder. Do not use water.

· For safety reasons unsuitable extinguishing agents:

Water

Water with full jet

· 5.2 Special hazards arising from the substance or mixture No further relevant information available.

· 5.3 Advice for firefighters

· Protective equipment: No special measures required.

6 Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Mount respiratory protective device.

Wear protective equipment. Keep unprotected persons away.

(Contd. on page 5)

Trade name: N 499 LUSTRE VIOLET

(Contd. of page 4)

Ensure adequate ventilation

Wear protective clothing.

· 6.2 Environmental precautions:

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

· 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

· 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

· 7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

Prevent formation of aerosols.

· Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Keep respiratory protective device available.

· 7.2 Conditions for safe storage, including any incompatibilities

· Storage:

· Requirements to be met by storerooms and receptacles: No special requirements.

· Information about storage in one common storage facility: Store away from foodstuffs.

· Further information about storage conditions:

Keep container tightly sealed.

Prevent from drying out.

· 7.3 Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

· Additional information about design of technical facilities: No further data; see item 7.

· 8.1 Control parameters

· Ingredients with limit values that require monitoring at the workplace:

8050-09-7 Rosin

WEL (Great Britain) Short-term value: 0.15 mg/m³

Long-term value: 0.05 mg/m³

Sen

75-09-2 dichlormethane

WEL (Great Britain) Short-term value: 1060 mg/m³, 300 ppm

Long-term value: 350 mg/m³, 100 ppm

BMGV, Sk

76-22-2 bornan-2-one

WEL (Great Britain) Short-term value: 19 mg/m³, 3 ppm

Long-term value: 13 mg/m³, 2 ppm

(Contd. on page 6)

Trade name: N 499 LUSTRE VIOLET

(Contd. of page 5)

108-88-3 toluene

WEL (Great Britain)	Short-term value: 384 mg/m ³ , 100 ppm
	Long-term value: 191 mg/m ³ , 50 ppm
	Sk

· Ingredients with biological limit values:

75-09-2 dichlormethane

BMGV (Great Britain)	30 ppm
	Medium: end-tidal breath
	Sampling time: post shift
	Parameter: carbon monoxide

· Additional information: The lists valid during the making were used as basis.

· 8.2 Exposure controls

· Personal protective equipment:

· General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Store protective clothing separately.
Avoid contact with the eyes and skin.

· Respiratory protection:

Use suitable respiratory protective device in case of insufficient ventilation.
Filter A2B2P3

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

· Protection of hands:



Protective gloves

Only use chemical-protective gloves with CE-labelling of category III.
Check protective gloves prior to each use for their proper condition.
After use of gloves apply skin-cleaning agents and skin cosmetics.

· Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

For short use and minimal soiling we recommend disposable protective gloves made of special nitrile, e.g. Dermatril from the company KCL.

For longer use and stronger soiling we recommend 4H-Chemicals-Protective-Gloves from the company SETON.

· Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Eye protection:



Tightly sealed goggles

· Body protection: Protective work clothing

GB

(Contd. on page 7)

Trade name: N 499 LUSTRE VIOLET

(Contd. of page 6)

9 Physical and chemical properties**· 9.1 Information on basic physical and chemical properties****· General Information****· Appearance:**

Form:	Fluid
Colour:	Dark brown

· Odour:	Aromatic
----------	----------

· Odour threshold:	Not determined.
--------------------	-----------------

· pH-value:	Not determined.
-------------	-----------------

· Change in condition

Melting point/Melting range:	Undetermined.
------------------------------	---------------

Boiling point/Boiling range:	Undetermined.
------------------------------	---------------

· Flash point:	< 55 °C When the highly volatile and flame-retardant component dichloromethane has evaporated, the substance is inflammable.
----------------	---

· Flammability (solid, gaseous):	Not applicable.
----------------------------------	-----------------

· Ignition temperature:	255 °C
-------------------------	--------

· Decomposition temperature:	Not determined.
------------------------------	-----------------

· Self-igniting:	Product is not selfigniting.
------------------	------------------------------

· Danger of explosion:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
------------------------	---

· Explosion limits:

Lower:	0.7 Vol %
--------	-----------

Upper:	7.5 Vol %
--------	-----------

· Vapour pressure at 20 °C:	5 hPa
-----------------------------	-------

· Density:	Not determined.
------------	-----------------

· Relative density	Not determined.
--------------------	-----------------

· Vapour density	Not determined.
------------------	-----------------

· Evaporation rate	Not determined.
--------------------	-----------------

· Solubility in / Miscibility with water:	Not miscible or difficult to mix.
---	-----------------------------------

· Partition coefficient (n-octanol/water):	Not determined.
--	-----------------

· Viscosity:

Dynamic:	Not determined.
----------	-----------------

Kinematic:	Not determined.
------------	-----------------

· Solvent content:

Organic solvents:	20 - 30 %
-------------------	-----------

Water:	0.0 %
--------	-------

Solids content:	40 - 50 %
-----------------	-----------

· 9.2 Other information	No further relevant information available.
-------------------------	--

10 Stability and reactivity**· 10.1 Reactivity****· 10.2 Chemical stability****· Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

(< 100 °C)

(Contd. on page 8)

Trade name: N 499 LUSTRE VIOLET

(Contd. of page 7)

- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:**

· **LD/LC50 values relevant for classification:**

8050-09-7 Rosin

Oral	LD50	-2800 mg/kg (rat)
Dermal	LD50	->2000 mg/kg (rat)

64742-95-6 Solvent naphtha (petroleum), light arom.

Oral	LD50	> 5000 mg/kg (rat)
Dermal	LD50	> 3160 mg/kg (rabbit)
Inhalative	LC50/4 h	> 5.2 mg/l (rat)

68917-18-0 Oils, mint

Oral	LD50	1240 mg/kg (rat)
Dermal	LD50	> 5000 mg/kg (rabbit)

91-17-8 Decahydronaphthalene

Oral	LD50	4170 mg/kg (rat)
Dermal	LD50	5900 mg/kg (rbt)
Inhalative	LC50/1h	1.08 mg/l (rat)

75-09-2 dichlormethane

Oral	LD50	1600 mg/kg (rat)
Inhalative	LC50/4 h	88 mg/l (rat)

98-55-5 p-menth-1-en-8-ol

Oral	LD50	4300 mg/kg (rat)
------	------	------------------

7785-26-4 (-)-pin-2(3)-ene

Oral	LD50	3700 mg/kg (rat)
------	------	------------------

138-86-3 dipentene

Oral	LD50	5300 mg/kg (rat) (RTECS)
Dermal	LD50	> 2000 mg/kg (kan)

108-88-3 toluene

Oral	LD50	636 mg/kg (rat)
Dermal	LD50	12124 mg/kg (rbt)
Inhalative	LC50/4 h	28.1 mg/l (rat)

78-70-6 Linalool

Oral	LD50	2790 mg/kg (rat)
Dermal	LD50	5610 mg/kg (rbt)

586-62-9 Cyclohexene, 1-methyl-4-(1-methylethylidene)-

Oral	LD50	4390 mg/kg (rat)
Dermal	LD50	>5000 mg/kg (rabbit)

8006-64-2 Turpentine, oil

Oral	LD50	5760 mg/kg (rat)
------	------	------------------

- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.

(Contd. on page 9)

Printing date 07.01.2014

Version number 11

Revision: 07.01.2014

Trade name: N 499 LUSTRE VIOLET

(Contd. of page 8)

- **on the eye:** Irritating effect.
- **Sensitization:**
Sensitization possible through inhalation.
Sensitization possible through skin contact.

12 Ecological information· **12.1 Toxicity**· **Aquatic toxicity:****64742-95-6 Solvent naphtha (petroleum), light arom.**

EC50/96h 19 mg/l (algae)

LC50/48h 6.14 mg/l (daphnia)

LC50/96h 9.22 mg/l (fish)

68917-18-0 Oils, mint

EC50/48h 78.9 mg/l (daphnia)

138-86-3 dipentene

EC50/48h 17 mg/l (daphnia) (ECOTOX Database)

LC50/96h 80 mg/l (fish) (Regenbogenforelle, ECOTOX Database)

108-88-3 toluene

EC50/30min 20 mg/l (bak)

EC50/48h 6 mg/l (daphnia)

IC50/72h 12 mg/l (algae)

LC50/96h 5.8 mg/l (fish)

8006-64-2 Turpentine, oil

EC50 14.1 mg/l (daphnia)

· **12.2 Persistence and degradability** No further relevant information available.· **12.3 Bioaccumulative potential** No further relevant information available.· **12.4 Mobility in soil** No further relevant information available.· **Ecotoxicological effects:**· **Remark:** Toxic for fish· **Additional ecological information:**· **General notes:**

Water hazard class 2 (German Regulation) (in accordance with VwVwS from 15.05.1999): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

· **12.5 Results of PBT and vPvB assessment**· **PBT:** Not applicable.· **vPvB:** Not applicable.· **12.6 Other adverse effects** No further relevant information available.**13 Disposal considerations**· **13.1 Waste treatment methods**· **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Contact manufacturer for recycling information.






(Contd. on page 10)

Trade name: N 499 LUSTRE VIOLET

(Contd. of page 9)

- **Uncleaned packaging:**
- **Recommendation:** Contact manufacturer for recycling information.

14 Transport information

<ul style="list-style-type: none"> · 14.1 UN-Number · ADR, IMDG, IATA 	<p align="center">UN3470</p>
<ul style="list-style-type: none"> · 14.2 UN proper shipping name · ADR · IMDG · IATA 	<p align="center">3470 PAINT, CORROSIVE, FLAMMABLE, ENVIRONMENTALLY HAZARDOUS PAINT, CORROSIVE, FLAMMABLE (Solvent naphtha (petroleum), light arom., alpha-PINENE), MARINE POLLUTANT PAINT, CORROSIVE, FLAMMABLE</p>
<ul style="list-style-type: none"> · 14.3 Transport hazard class(es) · ADR, IMDG 	<div style="display: flex; justify-content: space-around; align-items: center;">    </div> <p>· Class 8 Corrosive substances. · Label 8+3</p> <hr style="border-top: 1px dashed #000;"/> <div style="display: flex; justify-content: space-around; align-items: center;">   </div> <p>· Class 8 Corrosive substances. · Label 8+3</p>
<ul style="list-style-type: none"> · 14.4 Packing group · ADR, IMDG, IATA 	<p align="center">II</p>
<ul style="list-style-type: none"> · 14.5 Environmental hazards: · Marine pollutant: · Special marking (ADR): 	<p>Product contains environmentally hazardous substances: dipentene Yes Symbol (fish and tree) Symbol (fish and tree)</p>
<ul style="list-style-type: none"> · 14.6 Special precautions for user · Danger code (Kemler): · EMS Number: 	<p>Warning: Corrosive substances. 83 F-E,S-C</p>
<ul style="list-style-type: none"> · 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code 	<p align="center">Not applicable.</p>
<ul style="list-style-type: none"> · Transport/Additional information: 	<hr style="border-top: 1px dashed #000;"/> <ul style="list-style-type: none"> · ADR · Limited quantities (LQ) · Transport category · Tunnel restriction code

GB

(Contd. on page 11)

Trade name: N 499 LUSTRE VIOLET

(Contd. of page 10)

15 Regulatory information· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**· **Labelling according to EU guidelines:**

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

· **Code letter and hazard designation of product:**

T Toxic

N Dangerous for the environment

· **Hazard-determining components of labelling:**

Rosin

dichlormethane

2-ethylhexanoic acid, nickel salt

dipentene

· **Risk phrases:**

49 May cause cancer by inhalation.

61 May cause harm to the unborn child.

10 Flammable.

36/38 Irritating to eyes and skin.

40 Limited evidence of a carcinogenic effect.

42/43 May cause sensitisation by inhalation and skin contact.

· **Safety phrases:**

53 Avoid exposure - obtain special instructions before use.

1/2 Keep locked up and out of the reach of children.

23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).

29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

63 In case of accident by inhalation: remove casualty to fresh air and keep at rest.

· **Information about limitation of use:**

Employment restrictions concerning juveniles must be observed.

Employment restrictions concerning pregnant and lactating women must be observed.

· **Technical instructions (air):**

Class	Share in %
I	10-25
II	10-25
III	≤ 2,5

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.**16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H228 Flammable solid.

H272 May intensify fire; oxidiser.

(Contd. on page 12)

Trade name: N 499 LUSTRE VIOLET

(Contd. of page 11)

- H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H332 Harmful if inhaled.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H341 Suspected of causing genetic defects.
H350i May cause cancer by inhalation.
H351 Suspected of causing cancer.
H360D May damage the unborn child.
H361d Suspected of damaging the unborn child.
H372 Causes damage to organs through prolonged or repeated exposure.
H373 May cause damage to organs through prolonged or repeated exposure.
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.
H413 May cause long lasting harmful effects to aquatic life.
- R10 Flammable.
R11 Highly flammable.
R20 Harmful by inhalation.
R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
R22 Harmful if swallowed.
R34 Causes burns.
R36/37/38 Irritating to eyes, respiratory system and skin.
R36/38 Irritating to eyes and skin.
R38 Irritating to skin.
R40 Limited evidence of a carcinogenic effect.
R42/43 May cause sensitisation by inhalation and skin contact.
R43 May cause sensitisation by skin contact.
R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R48/23 Toxic: danger of serious damage to health by prolonged exposure through inhalation.
R49 May cause cancer by inhalation.
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.
R53 May cause long-term adverse effects in the aquatic environment.
R61 May cause harm to the unborn child.
R63 Possible risk of harm to the unborn child.
R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.
R68 Possible risk of irreversible effects.
R8 Contact with combustible material may cause fire.

· **Department issuing MSDS:** TFD-MSDS

· **Contact:** Mr. Hesse

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

(Contd. on page 13)

Printing date 07.01.2014

Version number 11

Revision: 07.01.2014

Trade name: N 499 LUSTRE VIOLET

LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
(calc.): calculated

(Contd. of page 12)

· *** Data compared to the previous version altered.**

GB