

Safety Data Sheet

UV Leak Detector Dye - Red

According to Regulation (EU) 2020/878

Regulation (EU) n. 2020/878

Safety Data Sheet dated 1-5-2023, version 4

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

1.1. Product identifier

Mixture identification:

Trade name: UV Leak Detector Dye - Red

Trade code: 599-32R

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

Recommended use:

UV Leak Detection Dye

1.3. Details of the supplier of the safety data sheet

Company:

CGS Handschug GmbH

Borsigstr. 96

DE 52525 Heinsberg

Competent person responsible for the safety data sheet:

info@nextlubricants.nl

1.4. Emergency telephone number

National Poison Control Centre - +31 (0) 30 2748888 - Only for use by professional rescuers in case of emergency

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC Regulation Criteria 1272/2008 (CLP)

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

Hazard pictograms:

None

Hazard statements:

None

Precautionary statements:

None

Special Provisions:

EUH210 Safety data sheet available on request.

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration $\geq 0.1\%$

Other Hazards:

No other hazards

SECTION 3: Composition/information on ingredients


3.1. Substances

N.A.

3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

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Qty	Name	Ident. Number	Classification
>= 1% - < 2.5%	Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	CAS: 68411-46-1 EC: 270-128-1 REACH No.: 01-2119491299-23	 3.7/2 Repr. 2 H361f 4.1/C3 Aquatic Chronic 3 H412

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

Wash with plenty of water and soap.

In case of eyes contact:

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of Ingestion:

Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

None

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

Treatment:

None

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

In case of fire, use a dry powder fire extinguisher to extinguish.

Extinguishing media which must not be used for safety reasons:

Water.

5.2. Special hazards arising from the substance or mixture

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

5.3. Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non emergency personnel:

Wear personal protection equipment.

Remove persons to safety.

See protective measures under section 7 and 8.

For emergency responders:

Wear personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand

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- 6.3. Methods and material for containment and cleaning up
Wash with plenty of water.
- 6.4. Reference to other sections
See also section 8 and 13

SECTION 7: Handling and storage

- 7.1. Precautions for safe handling
Avoid contact with skin and eyes, inhalation of vapours and mists.
See also section 8 for recommended protective equipment.
Advice on general occupational hygiene:
Do not eat or drink while working.
- 7.2. Conditions for safe storage, including any incompatibilities
Keep away from food, drink and feed.
Incompatible materials:
None in particular.
Instructions as regards storage premises:
Adequately ventilated premises.
- 7.3. Specific end use(s)
None in particular

SECTION 8: Exposure controls/personal protection

- 8.1. Control parameters
No occupational exposure limit available
DNEL Exposure Limit Values
Benzenamine, N-phenyl-, reaction products with 2,4,4- trimethylpentene - CAS: 68411-46-1
Worker Professional: 0.62 mg/kg - Consumer: 0.31 mg/kg - Exposure: Human Dermal -
Frequency: Long Term, systemic effects
Worker Professional: 4.37 mg/m3 - Consumer: 1.09 mg/m3 - Exposure: Human
Inhalation - Frequency: Long Term, systemic effects
Consumer: 0.31 mg/kg - Exposure: Human Oral - Frequency: Long Term, systemic effects
- PNEC Exposure Limit Values
Benzenamine, N-phenyl-, reaction products with 2,4,4- trimethylpentene - CAS: 68411-46-1
Target: Fresh Water - Value: 0.0338 mg/l
Target: Marine water - Value: 0.0038 mg/l
Target: Intermittent release - Value: 0.51 mg/l
Target: Freshwater sediments - Value: 0.446 mg/kg
Target: Marine water sediments - Value: 0.0446 mg/kg
Target: Soil (agricultural) - Value: 2.59 mg/kg
Target: STP - Value: 10 mg/l
- 8.2. Exposure controls
Eye protection:
Not needed for normal use. Anyway, operate according good working practices.
- Protection for skin:
No special precaution must be adopted for normal use.
- Protection for hands:
Not needed for normal use.
- Respiratory protection:
Not needed for normal use.
- Thermal Hazards:
None
- Environmental exposure controls:
None
- Appropriate engineering controls:

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None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes
Physical state:	N.A.	--	--
Colour:	N.A.	--	--
Odour:		--	--
Melting point/freezing point:	Not available	--	--
Boiling point or initial boiling point and boiling range:	Not available	--	--
Flammability:	N.A.	--	--
Lower and upper explosion limit:	Not available	--	--
Flash point:	210 ° C	--	--
Auto-ignition temperature:	Not available	--	--
Decomposition temperature:	Not available	--	--
pH:	Not available	--	--
Kinematic viscosity:	N.A.	--	--
Solubility in water:		--	--
Solubility in oil:	Not available	--	--
Partition coefficient n-octanol/water (log value):	Not available	--	--
Vapour pressure:	Not available	--	--
Density and/or relative density:	0.97 g/ml	--	--
Relative vapour density:	Not available	--	--

Particle characteristics:

Particle size:	Not available	--	--
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9.2. Other information

Properties	Value	Method:	Notes
Viscosity:	38 cSt 40°C	--	--

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions

10.2. Chemical stability

Stable under normal conditions

10.3. Possibility of hazardous reactions

None

10.4. Conditions to avoid

Stable under normal conditions.

10.5. Incompatible materials

None in particular.

10.6. Hazardous decomposition products

None.

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SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological information of the product:

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a) acute toxicity

Not classified

Based on available data, the classification criteria are not met

b) skin corrosion/irritation

Not classified

Based on available data, the classification criteria are not met

c) serious eye damage/irritation

Not classified

Based on available data, the classification criteria are not met

d) respiratory or skin sensitisation

Not classified

Based on available data, the classification criteria are not met

e) germ cell mutagenicity

Not classified

Based on available data, the classification criteria are not met

f) carcinogenicity

Not classified

Based on available data, the classification criteria are not met

g) reproductive toxicity

Not classified

Based on available data, the classification criteria are not met

h) STOT-single exposure

Not classified

Based on available data, the classification criteria are not met

i) STOT-repeated exposure

Not classified

Based on available data, the classification criteria are not met

j) aspiration hazard

Not classified

Based on available data, the classification criteria are not met

Toxicological information of the main substances found in the product:

Benzenamine, N-phenyl-, reaction products with 2,4,4- trimethylpentene - CAS: 68411-46-1

a) acute toxicity:

Test: LD50 - Route: Oral - Species: Rat > 5000 mg/kg - Source: OECD 401

Route: Inhalation - No data available for the product

Test: LD50 - Route: Skin - Species: Rat > 2000 mg/kg - Source: OECD 402

b) skin corrosion/irritation:

Test: Skin Irritant - Route: Skin - Species: Rabbit Negative - Source: OECD 404

c) serious eye damage/irritation:

Test: Eye Irritant - Route: Skin - Species: Rabbit Negative - Source: OECD 405

11.2. Information on other hazards

Endocrine disrupting properties:

No endocrine disruptor substances present in concentration $\geq 0.1\%$

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.

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Not classified for environmental hazards

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- Based on available data, the classification criteria are not met
Benzenamine, N-phenyl-, reaction products with 2,4,4- trimethylpentene - CAS: 68411-46-1
- a) Aquatic acute toxicity:
 - Endpoint: LC50 - Species: Fish > 100 mg/l - Duration h: 96
 - Endpoint: EC50 - Species: Daphnia 51 mg/l - Duration h: 48
 - Endpoint: EC50 - Species: Algae > 100 mg/l - Duration h: 72
 - Endpoint: No observed effect concentration - Species: Algae >= 10 mg/l - Duration h: 72
 - b) Aquatic chronic toxicity:
 - Endpoint: EC10 - Species: Algae 1.69 mg/l - Duration h: 504
 - c) Bacteria toxicity:
 - Endpoint: EC50 - Species: Activated sludge > 100 mg/l - Duration h: 3
 - d) Terrestrial toxicity:
 - Endpoint: EC10 - Species: Algae 259 mg/kg - Duration h: 1344
- 12.2. Persistence and degradability
N.A.
- 12.3. Bioaccumulative potential
Benzenamine, N-phenyl-, reaction products with 2,4,4- trimethylpentene - CAS: 68411-46-1
Bioaccumulative - Test: BCF - Bioconcentration factor 1730 - Duration h: 42d
- 12.4. Mobility in soil
N.A.
- 12.5. Results of PBT and vPvB assessment
vPvB Substances: None - PBT Substances: None
- 12.6. Endocrine disrupting properties
No endocrine disruptor substances present in concentration >= 0.1%
- 12.7. Other adverse effects
None

SECTION 13: Disposal considerations

- 13.1. Waste treatment methods
Recover if possible. In so doing, comply with the local and national regulations currently in force.

SECTION 14: Transport information

- 14.1. UN number or ID number
Not classified as dangerous in the meaning of transport regulations.
- 14.2. UN proper shipping name
N.A.
- 14.3. Transport hazard class(es)
N.A.
- 14.4. Packing group
N.A.
- 14.5. Environmental hazards
N.A.
- 14.6. Special precautions for user
N.A.
- 14.7. Maritime transport in bulk according to IMO instruments
N.A.

SECTION 15: Regulatory information

- 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Dir. 98/24/EC (Risks related to chemical agents at work)
Dir. 2000/39/EC (Occupational exposure limit values)
Regulation (EC) n. 1907/2006 (REACH)

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Regulation (EC) n. 1272/2008 (CLP)
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
Regulation (EU) n. 286/2011 (ATP 2 CLP)
Regulation (EU) n. 618/2012 (ATP 3 CLP)
Regulation (EU) n. 487/2013 (ATP 4 CLP)
Regulation (EU) n. 944/2013 (ATP 5 CLP)
Regulation (EU) n. 605/2014 (ATP 6 CLP)
Regulation (EU) n. 2015/1221 (ATP 7 CLP)
Regulation (EU) n. 2016/918 (ATP 8 CLP)
Regulation (EU) n. 2016/1179 (ATP 9 CLP)
Regulation (EU) n. 2017/776 (ATP 10 CLP)
Regulation (EU) n. 2018/669 (ATP 11 CLP)
Regulation (EU) n. 2018/1480 (ATP 13 CLP)
Regulation (EU) n. 2019/521 (ATP 12 CLP)
Regulation (EU) n. 2020/217 (ATP 14 CLP)
Regulation (EU) n. 2020/1182 (ATP 15 CLP)
Regulation (EU) n. 2021/643 (ATP 16 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:

No restriction.

Restrictions related to the substances contained:

Restriction 28

Restriction 52

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1

None

Provisions related to directive EU 2012/18 (Seveso III):

N.A.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

SECTION 16: Other information

Full text of phrases referred to in Section 3:

H361f Suspected of damaging fertility.

H412 Harmful to aquatic life with long lasting effects.

Hazard class and hazard category	Code	Description
Repr. 2	3.7/2	Reproductive toxicity, Category 2
Aquatic Chronic 3	4.1/C3	Chronic (long term) aquatic hazard, category 3

This safety data sheet has been completely updated in compliance to Regulation 2020/878.

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre,
Commission of the European Communities
SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van
Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

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It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

ADR:	European Agreement concerning the International Carriage of Dangerous Goods by Road.
ATE:	Acute Toxicity Estimate
ATEmix:	Acute toxicity Estimate (Mixtures)
ATP:	Adaptation to technical progress
CAS:	Chemical Abstracts Service (division of the American Chemical Society).
CLP:	Classification, Labeling, Packaging.
DNEL:	Derived No Effect Level.
EINECS:	European Inventory of Existing Commercial Chemical Substances.
GefStoffVO:	Ordinance on Hazardous Substances, Germany.
GHS:	Globally Harmonized System of Classification and Labeling of Chemicals.
IATA:	International Air Transport Association.
IATA-DGR:	Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
ICAO:	International Civil Aviation Organization.
ICAO-TI:	Technical Instructions by the "International Civil Aviation Organization" (ICAO).
IMDG:	International Maritime Code for Dangerous Goods.
INCI:	International Nomenclature of Cosmetic Ingredients.
KSt:	Explosion coefficient.
LC50:	Lethal concentration, for 50 percent of test population.
LD50:	Lethal dose, for 50 percent of test population.
N.A.:	Not available
OEL:	Substance with a Union workplace exposure limit.
PBT:	Persistent, Bioaccumulative and Toxic
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
VOC:	Volatile Organic Carbon
vPvB:	Very Persistent, Very Bioaccumulative.
WGK:	German Water Hazard Class.