

# SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) as amended

## CONTEC SHINE STAR

Creation date	30th August 2012	Version	3.1
Revision date	21st May 2019		

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

- 1.1. Product identifier**  
Substance / mixture  
Number
- CONTEC SHINE STAR  
mixture  
0.356.907/6
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**  
Mixture's intended use  
Mixture uses advised against
- polish  
The product should not be used in ways other than those referred in Section 1.
- 1.3. Details of the supplier of the safety data sheet**
- Distributor**  
Name or trade name  
Address  
VAT Reg No  
Phone  
E-mail  
Web address
- Hermann Hartje KG  
Deichstraße 120-122, Hoya/Waser, 27318  
Germany  
DE116162847  
0049/4251/811-20  
rene.preuss@hartje.de  
www.hartje.de
- Manufacturer**  
Name or trade name  
Address  
Identification number (CRN)  
VAT Reg No  
Phone  
E-mail  
Web address
- Nacházel, s.r.o.  
Průmyslová 11/1472, Praha 10 - Hostivař, 10219  
Czech Republic  
25734458  
CZ25734458  
222 351 140  
maziva@nachazel.cz  
www.nachazel.cz
- Competent person responsible for the safety data sheet**  
Name  
E-mail
- Nacházel, s.r.o.  
maziva@nachazel.cz
- 1.4. Emergency telephone number**  
National Health Service (NHS) 111  
National poisoning information centre Scotland, NHS 24: 111  
112



### SECTION 2: Hazards identification

- 2.1. Classification of the substance or mixture**  
**Classification of the mixture in accordance with Regulation (EC) No 1272/2008**  
The mixture is classified as dangerous.

Aerosol 1, H222, H229  
Asp. Tox. 1, H304  
STOT SE 3, H336  
Aquatic Chronic 2, H411

Full text of all classifications and hazard statements is given in the section 16.

#### Most serious adverse physico-chemical effects

Extremely flammable aerosol. Pressurised container: May burst if heated.

#### Most serious adverse effects on human health and the environment

May be fatal if swallowed and enters airways. May cause drowsiness or dizziness. May cause genetic defects. May cause cancer. Toxic to aquatic life with long lasting effects.

# SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) as amended

## CONTEC SHINE STAR

Creation date 30th August 2012  
Revision date 21st May 2019 Version 3.1

### 2.2. Label elements

#### Hazard pictogram



#### Signal word

Danger

#### Hazardous substances

Hydrocarbons, C6, isoalkenes, <5% n-hexane

Hydrocarbons, C8-C9, isoalkanes

#### Hazard statements

H222 Extremely flammable aerosol.  
H229 Pressurised container: May burst if heated.  
H336 May cause drowsiness or dizziness.  
H411 Toxic to aquatic life with long lasting effects.

#### Precautionary statements

P102 Keep out of reach of children.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P211 Do not spray on an open flame or other ignition source.  
P251 Do not pierce or burn, even after use.  
P261 Avoid breathing spray.  
P271 Use only outdoors or in a well-ventilated area.  
P273 Avoid release to the environment.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C.  
P501 Dispose of container by disposing in a hazardous waste receptacle.

#### Supplemental information

EUH 066 Repeated exposure may cause skin dryness or cracking.

>=30 % aliphatic hydrocarbons, perfumes, Benzyl salicylate, Limonene

### 2.3. Other hazards

Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Chemical characterization

Note on stated concentration ranges: the stated values cover the concentrations of the substances in the liquid and in the aerosol (the concentration of the propellant components corresponds to the content of these substances in the liquid / gas mixture). The classification calculations are based on the upper values of the stated concentration ranges.

**Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment**

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note.
EC: 931-254-9 Registration number: 01-2119484651-34	Hydrocarbons, C6, isoalkenes, <5% n-hexane	23-50	Flam. Liq. 2, H225 Asp. Tox. 1, H304 STOT SE 3, H336 Aquatic Chronic 2, H411 EUH 066	

# SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) as amended

## CONTEC SHINE STAR

Creation date 30th August 2012

Revision date 21st May 2019

Version

3.1

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note.
EC: 932-020-9 Registration number: 01-2119548395-31	Hydrocarbons, C8-C9, isoalkanes	12-30	Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H336 Aquatic Chronic 2, H411 EUH 066	
EC: 934-956-3 Registration number: 01-2119827000-58-0000	Uhlovodíky, C15-C20, n-alkany, isoalkany, cyklic, < 0,03% atomat	2-6	Asp. Tox. 1, H304	
Index: 603-117-00-0 CAS: 67-63-1 EC: 200-661-7 Registration number: 01-2119457558-25	isopropanol	2-6	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	4
Index: 601-004-01-8 CAS: 106-97-8 EC: 203-448-7	butane	1-2	Press. Gas, Flam. Gas 1, H220 Muta. 1B, H340 Carc. 1A, H350	1, 2, 3, 5

### Notes

- Note C: Some organic substances may be marketed either in a specific isomeric form or as a mixture of several isomers. In this case the supplier must state on the label whether the substance is a specific isomer or a mixture of isomers.
- Note S: This substance may not require a label according to Article 17 (see Section 1.3 of Annex I) (Table 3).
- Note U (Table 3): When put on the market gases have to be classified as "Gases under pressure", in one of the groups compressed gas, liquefied gas, refrigerated liquefied gas or dissolved gas. The group depends on the physical state in which the gas is packaged and therefore has to be assigned case by case. The following codes are assigned:

Press. Gas (Comp.)  
Press. Gas (Liq.)  
Press. Gas (Ref. Liq.)  
Press. Gas (Diss.)

Aerosols shall not be classified as gases under pressure (See Annex I, Part 2, Section 2.3.2.1, Note 2).

- Substance for which exposure limits of Community for working environment exist.
- The use of the substance is restricted by Annex XVII of REACH Regulation

Full text of all classifications and hazard statements is given in the section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet. If unconscious, put the person in the stabilized (recovery) position on his side with his head slightly bent backwards and make sure that airways are free; never induce vomiting.

#### If inhaled

Take care of your own safety, do not let the affected person walk! Terminate the exposure immediately; move the affected person to fresh air. Beware of the contaminated clothes. Depending on the situation, call the medical rescue service and ensure medical treatment considering the frequent need of further observation for at least 24 hours.

#### If on skin

Remove contaminated clothes. Wash the affected area with plenty of water, lukewarm if possible.

#### If in eyes

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. Rinsing should continue at least for 10 minutes.

# SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) as amended

## CONTEC SHINE STAR

Creation date	30th August 2012	Version	3.1
Revision date	21st May 2019		

### **If swallowed**

Aerosol products are not expected to be ingested. If the affected person vomits, make sure to prevent inhalation of the vomit (as there is a danger of lung damage after inhalation of these liquids in the airways also in infinitesimal amount). Ensure medical treatment considering the frequent need of further observation for at least 24 hours. Bring an original container with the label and the Safety Data Sheet of the given substance as appropriate.

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

#### **If inhaled**

Possible irritation of airways, cough, headache.

#### **If on skin**

Repeated exposure may cause skin dryness or cracking.

#### **If in eyes**

Temporary feeling of burning and redness.

#### **If swallowed**

Nausea, stomach pain, vomiting, diarrhoea.

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

Symptomatic treatment.

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

Alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist.

#### **Unsuitable extinguishing media**

Water - full jet.

### **5.2. Special hazards arising from the substance or mixture**

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

### **5.3. Advice for firefighters**

Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Use a self-contained breathing apparatus and full-body protective clothing. Closed containers with the product near the fire should be cooled with water. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

## **SECTION 6: Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

Provide sufficient ventilation. Extremely flammable aerosol. Pressurised container: May burst if heated. Remove all ignition sources. Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8. Do not inhale aerosols.

### **6.2. Environmental precautions**

Do not allow to enter drains. Prevent contamination of the soil and entering surface or ground water.

### **6.3. Methods and material for containment and cleaning up**

Spilled product should be covered with suitable (non-flammable) absorbing material (sand, diatomaceous earth, earth and other suitable absorption materials); to be contained in well closed containers and removed as per the Section 13. In the event of leakage of the substantial amount of the product, inform fire brigade and other competent bodies. After removal of the product, wash the contaminated site with plenty of water. Do not use solvents.

### **6.4. Reference to other sections**

See the Section 7, 8 and 13.

# SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) as amended

## CONTEC SHINE STAR

Creation date 30th August 2012  
Revision date 21st May 2019 Version 3.1

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Prevent formation of gases and vapours in flammable or explosive concentrations and concentrations exceeding the occupational exposure limits. The product should be used only in the areas where it is not in contact with open fire and other ignition sources. No smoking. Protect against direct sunlight. Electrostatic charge may be formed during use; use only earthed piping (tubing) when repumping. Use of antistatic clothes and footwear is recommended. Use non-sparking tools. Do not inhale gases and vapours. Prevent contact with skin and eyes. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection.

#### 7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose.

Storage class 2B - Aerosols  
Content 200ml  
Packaging type spray  
Material of package FE (40), Steel (Metals)



FE

Storage temperature min 0 °C, max 40 °C

#### The specific requirements or rules relating to the substance/mixture

Solvent vapours are heavier than air and accumulate especially near the floor where they may form an explosive mixture with the air.

#### 7.3. Specific end use(s)

Follow the instructions on the product label.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

The mixture contains substances for which occupational exposure limits are set.

#### United Kingdom of Great Britain and Northern Ireland

Substance name (component)	Type	Time of exposure	Value	Note	Source
isopropanol (CAS: 67-63-1)	WEL	8 hours	999 mg/m <sup>3</sup>		Gestis
	WEL	Short-term	1250 mg/m <sup>3</sup>		
	WEL	8 hours	400 ppm		
	WEL	Short-term	500 ppm		

# SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) as amended

## CONTEC SHINE STAR

Creation date 30th August 2012  
Revision date 21st May 2019 Version 3.1

### DNEL

Hydrocarbons, C6, isoalkenes, <5% n-hexane

Workers / consumers	Route of exposure	Value	Effect	Determining method
Workers	Dermal	13964 mg/kg bw/day	Systemic chronic effects	
Workers	Inhalation	5306 mg/m <sup>3</sup>	Systemic chronic effects	
Consumers	Dermal	1377 mg/kg bw/day	Systemic chronic effects	
Consumers	Inhalation	1131 mg/kg	Systemic chronic effects	
Consumers	Oral	1301 mg/kg bw/day	Systemic chronic effects	

Hydrocarbons, C8-C9, isoalkanes

Workers / consumers	Route of exposure	Value	Effect	Determining method
Workers	Dermal	773 mg/kg bw/day		
Workers	Inhalation	2035 mg/m <sup>3</sup>		
Consumers	Dermal	699 mg/kg bw/day	Systemic chronic effects	
Consumers	Inhalation	608 mg/m <sup>3</sup>	Systemic chronic effects	
Consumers	Oral	699 mg/kg bw/day	Systemic chronic effects	

isopropanol

Workers / consumers	Route of exposure	Value	Effect	Determining method
Consumers	Oral	26 mg/kg bw/day	Systemic chronic effects	
Workers	Dermal	888 mg/kg bw/day	Systemic chronic effects	
Workers	Inhalation	500 mg/m <sup>3</sup>	Systemic chronic effects	
Consumers	Dermal	319 mg/kg bw/day	Systemic chronic effects	
Consumers	Inhalation	89 mg/m <sup>3</sup>	Systemic chronic effects	

### PNEC

isopropanol

Route of exposure	Value	Determining method
Microorganisms in wastewater treatment plants	2251 mg/l	
Freshwater sediment	552 mg/kg	
Sea sediments	552 mg/kg	
Soil (agricultural)	28 mg/kg	
Seawater	140.9 mg/l	
Freshwater environment	140.9 mg/l	

### 8.2. Exposure controls

Follow the usual measures intended for health protection at work and especially for good ventilation. This can be achieved only by local suction or efficient general ventilation. If exposure limits cannot be observed in this mode, suitable protection of airways must be used. Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

#### Eye/face protection

It is not needed.

#### Skin protection

Hand protection: Protective gloves resistant to the product. Contaminated skin should be washed thoroughly.

# SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) as amended

## CONTEC SHINE STAR

Creation date	30th August 2012	Version	3.1
Revision date	21st May 2019		

### Respiratory protection

Respirator.

### Thermal hazard

Not available.

### Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2. Collect spillage.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Appearance	liquid in aerosol container
Physical state	liquid at 20°C
color	transparent
Odour	characteristic
Odour threshold	data not available
pH	data not available
Melting point/freezing point	51-61 °C
Initial boiling point and boiling range	-40 °C (propellant)
Flash point	-80 °C (propellant)
Evaporation rate	data not available
Flammability (solid, gas)	Extremely flammable aerosol.
Upper/lower flammability or explosive limits	
flammability limits	data not available
explosive limits	
bottom	1.1 %
upper	13 %
Vapour pressure	<0.7 MPa
Vapour density	data not available
Relative density	data not available
Solubility(ies)	
solubility in water	insoluble
solubility in fats	data not available
Partition coefficient: n-octanol/water	-0.24 (acetone)
Auto-ignition temperature	>230 °C
Decomposition temperature	data not available
Viscosity	data not available
Explosive properties	data not available
Oxidising properties	data not available
data not available	

### 9.2. Other information

Density	0.62 g/cm <sup>3</sup> at 20°C
ignition temperature	>350 °C (propellant)
content of organic solvents (VOC)	0.9 kg/kg
solid content (dry matter)	0.1 % volume
auto-ignition temperature: > 230 °C (hydrocarbons, C6) asthma e 659 (this temperature may be significantly lower under special conditions (slow oxidation of finely divided material)	

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is stable and no degradation occurs under normal use.

### 10.2. Chemical stability

The product is stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Protect against strong acids, bases and oxidizing agents.

# SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) as amended

## CONTEC SHINE STAR

Creation date 30th August 2012  
Revision date 21st May 2019 Version 3.1

### 10.4. Conditions to avoid

Protect against flames, sparks, overheating and against frost. Pressurised container: May burst if heated.

### 10.5. Incompatible materials

Protect against strong acids, bases and oxidizing agents.

### 10.6. Hazardous decomposition products

Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

No toxicological data is available for the mixture.

#### Acute toxicity

Based on available data the classification criteria are not met.

#### CONTEC SHINE STAR

Route of exposure	Parameter	Method	Value	Time of exposure	Species	Sex
Oral	LD <sub>50</sub>		>2000 mg/kg		Rabbit	

#### Hydrocarbons, C6, isoalkenes, <5% n-hexane

Route of exposure	Parameter	Method	Value	Time of exposure	Species	Sex
Oral	LD <sub>50</sub>	OECD 401	16750 mg/kg bw		Rat (Rattus norvegicus)	
Dermal	LD <sub>50</sub>	OECD 402	3350 mg/kg bw	4 hour	Rabbit	
Inhalation (vapor)	LC <sub>50</sub>	OECD 403	259354 mg/m <sup>3</sup>	4 hour	Rat (Rattus norvegicus)	
Oral	LD <sub>50</sub>		>5000 mg/kg		Rat (Rattus norvegicus)	
Dermal	LD <sub>50</sub>		>3000 mg/kg		Rat (Rattus norvegicus)	
Inhalation (vapor)	LC <sub>50</sub>		>20 mg/l	4 hour	Rat (Rattus norvegicus)	
	Log Pow		4			
	NOELR		3 mg/l	72 hour	Pseudokirchneriella subcapitata	

#### Hydrocarbons, C8-C9, isoalkanes

Route of exposure	Parameter	Method	Value	Time of exposure	Species	Sex
Oral	LD <sub>50</sub>	OECD 401	>7100 mg/kg bw			
Dermal	LD <sub>50</sub>		>2200 mg/kg	24 hour	Rabbit	
Inhalation (vapor)	LC <sub>50</sub>	OECD 403	17300-23300 mg/m <sup>3</sup>	4 hour	Rat (Rattus norvegicus)	

#### isopropanol

Route of exposure	Parameter	Method	Value	Time of exposure	Species	Sex
Oral	LD <sub>50</sub>		4570 mg/kg		Rat	
Dermal	LD <sub>50</sub>		13400 mg/kg		Rabbit	
Inhalation (vapor)	LC <sub>50</sub>		72.6 mg/l	4 hour	Rat	
Oral	LD <sub>50</sub>		5280 mg/kg		Rat	
Dermal	LD <sub>50</sub>		12800 mg/kg		Rat	



# SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) as amended

## CONTEC SHINE STAR

Creation date 30th August 2012  
Revision date 21st May 2019 Version 3.1

Uhlovodíky, C15-C20, n-alkany, isoalkany, cyklic, < 0,03% atomat

Route of exposure	Parameter	Method	Value	Time of exposure	Species	Sex
Dermal	LD <sub>50</sub>	OECD 402	>3160 mg/kg	24 hour	Rabbit	
Inhalation (aerosols)	LC <sub>50</sub>	OECD 403	5266 mg/m <sup>3</sup>	4 hour	Rat (Rattus norvegicus)	
Oral	DL 50	OECD 401	>5000 mg/kg bw/day		Rat (Rattus norvegicus)	

### Skin corrosion/irritation

Based on available data the classification criteria are not met.

### Serious eye damage/irritation

Based on available data the classification criteria are not met.

### Respiratory or skin sensitisation

Based on available data the classification criteria are not met.

### Germ cell mutagenicity

Based on available data the classification criteria are not met.

### Carcinogenicity

Based on available data the classification criteria are not met.

### Reproductive toxicity

Based on available data the classification criteria are not met.

### Toxicity for specific target organ - single exposure

May cause drowsiness or dizziness.

### Toxicity for specific target organ - repeated exposure

Based on available data the classification criteria are not met.

### Aspiration hazard

The fluid can cause damage to the lungs (chemical pneumonia, potentially fatal). In the form of aerosols, this danger is not expected.

### More information

data not available

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Acute toxicity

Toxic to aquatic life with long lasting effects.

Hydrocarbons, C6, isoalkenes, <5% n-hexane

Parameter	Method	Value	Time of exposure	Species	Environment
ErL 50		13.6 mg/l	72 hour	Pseudokirchneriella subcapitata	
EL 50		31.9 mg/l	48 hour	Daphnia (Daphnia magna)	

# SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) as amended

## CONTEC SHINE STAR

Creation date 30th August 2012

Revision date 21st May 2019

Version

3.1

Hydrocarbons, C8-C9, isoalkanes

Parameter	Method	Value	Time of exposure	Species	Environment
ErL50	OECD 201	10-30 mg/l	72 hour	Algae (Selenastrum capricornutum)	
EbL50	OECD 201	10-30 mg/l	72 hour	Algae (Selenastrum capricornutum)	
NOELR	OECD 201	6.3 mg/l	72 hour	Algae (Selenastrum capricornutum)	
EL50		2.4 mg/l	48 hour	Daphnia (Daphnia magna)	
LL50	OECD 203	18.4 mg/l	96 hour	Fishes (Oncorhynchus mykiss)	
NOELR	OECD 211	1 mg/l	21 day	Daphnia (Daphnia magna)	
NOELR		0.46 mg/l	28 day	Oncorhynchus mykiss	

isopropanol

Parameter	Method	Value	Time of exposure	Species	Environment
LC <sub>50</sub>		6550 mg/l	96 hour	Fishes	
EC <sub>50</sub>		>100 mg/l	48 hour	Daphnia	
EC <sub>50</sub>		>100 mg/l	72 hour	Algae	
LD <sub>50</sub>		>100 mg/l	48 hour	Fishes (Leuciscus idus)	

Uhlovodíky, C15-C20, n-alkany, isoalkany, cyklic, < 0,03% atomat

Parameter	Method	Value	Time of exposure	Species	Environment
ErL50	ISO 10253	>10000 mg/kg	72 hour	Algae (Selenastrum capricornutum)	
LL 50		>3193 mg/l	48 hour	Invertebrates (Acartia tonsa)	
LL 50		1028 mg/l	96 hour	Fishes (Oncorhynchus mykiss)	

### Chronic toxicity

Hydrocarbons, C6, isoalkanes, <5% n-hexane

Parameter	Value	Time of exposure	Species	Environment
NOEL	7.14 mg/l	21 hour	Daphnia (Daphnia magna)	
NOEL	4.09 mg/l	28 day	Fishes (Oncorhynchus mykiss)	

### More information

data not available

### 12.2. Persistence and degradability

# SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) as amended

## CONTEC SHINE STAR

Creation date 30th August 2012  
Revision date 21st May 2019 Version 3.1

### Biodegradability

Hydrocarbons, C6, isoalkenes, <5% n-hexane

Parameter	Value	Time of exposure	Environment	Result
	98 %	28 day		

Hydrocarbons, C8-C9, isoalkanes

Parameter	Value	Time of exposure	Environment	Result
	22 %	28 day		
	60 %	60 day		

isopropanol

Parameter	Value	Time of exposure	Environment	Result
	53 %	5 day		

Uhlovodíky, C15-C20, n-alkany, isoalkany, cyklic, < 0,03% atomat

Parameter	Value	Time of exposure	Environment	Result
	74 %	28 day		

The mixture is biodegradable.

### 12.3. Bioaccumulative potential

Hydrocarbons, C6, isoalkenes, <5% n-hexane

Parameter	Value	Time of exposure	Species	Environment	Surrounding temperature [°C]
Log Pow	3.6				

isopropanol

Parameter	Value	Time of exposure	Species	Environment	Surrounding temperature [°C]
BCF	3				

Not available.

### 12.4. Mobility in soil

isopropanol

Parameter	Value	Environment	Surrounding temperature
Log Pow	0.05		
Koc	1.5		

Data not available.

### 12.5. Results of PBT and vPvB assessment

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

### 12.6. Other adverse effects

Not available.

## SECTION 13: Disposal considerations

# SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) as amended

## CONTEC SHINE STAR

Creation date	30th August 2012	Version	3.1
Revision date	21st May 2019		

### 13.1. Waste treatment methods

Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling. Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations.

#### Waste management legislation

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

#### Waste type code

14 06 03 other solvents and solvent mixtures \*  
16 05 04 gases in pressure containers (including halons) containing hazardous substances \*

#### Packaging waste type code

15 01 10 packaging containing residues of or contaminated by hazardous substances \*  
15 01 11 metallic packaging containing a hazardous solid porous matrix (for example asbestos), including empty pressure containers \*

(\*) - Hazardous waste according to Directive 2008/98/EC on hazardous waste

## SECTION 14: Transport information

### 14.1. UN number

UN 1950

### 14.2. UN proper shipping name

AEROSOLS

### 14.3. Transport hazard class(es)

2 Gases

### 14.4. Packing group

not available

### 14.5. Environmental hazards

yes

### 14.6. Special precautions for user

Reference in the Sections 4 to 8.

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not available

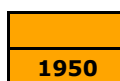
#### Additional information

Hazard identification No.

UN number

Classification code

Safety signs



5F

2.1+dangerous for the environment



# SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) as amended

## CONTEC SHINE STAR

Creation date	30th August 2012	Version	3.1
Revision date	21st May 2019		

### Road transport - ADR

Special provisions	190, 327, 344, 625
Limited quantities	1 L

### Packaging

Packing instructions	P207, LP02
Special packing provisions	PP87, RR6, L2
Mixed packing provisions	MP9
Transport category	2
Tunnel restriction code	(D)

### Special provision for

packages	V14
loading, unloading and handling	CV9, CV12

### Railway transport - RID

Special provisions	190, 327, 344, 625
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### Packaging

Packing instructions	P207, LP02
Special packing provisions	PP87, RR6, L2
Mixed packing provisions	MP9
Transport category	0

### Special provision for

packages	W 14
loading, unloading and handling	CW 9, CW 12

### Marine transport - IMDG

EmS (emergency plan)	F-D, S-U
MFAG	620
Marine Pollutant	No

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16th December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006, as amended. REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents, as amended.

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### Restrictions pursuant to Annex XVII of Regulation (EC) No. 1907/2006 (REACH), as amended

butane

Restriction	Conditions of restriction
28	<p>Without prejudice to the other parts of this Annex the following shall apply to entries 28 to 30:</p> <ol style="list-style-type: none"> <li>Shall not be placed on the market, or used, <ul style="list-style-type: none"> <li>as substances,</li> <li>as constituents of other substances, or,</li> <li>in mixtures, for supply to the general public when the individual concentration in the substance or mixture is equal to or greater than: <ul style="list-style-type: none"> <li>either the relevant specific concentration limit specified in Part 3 of Annex VI to Regulation (EC) No 1272/2008, or,</li> <li>the relevant generic concentration limit specified in Part 3 of Annex I of Regulation (EC) No 1272/2008.</li> </ul> </li> </ul> </li> </ol> <p>Without prejudice to the implementation of other Community provisions relating to the classification, packaging and labelling of substances and mixtures, suppliers shall ensure before the placing on the market that the packaging of such substances and mixtures is marked visibly, legibly and indelibly as follows:</p> <p>"Restricted to professional users".</p> <ol style="list-style-type: none"> <li>By way of derogation, paragraph 1 shall not apply to: <ol style="list-style-type: none"> <li>medicinal or veterinary products as defined by Directive 2001/82/EC and Directive 2001/83/EC;</li> <li>cosmetic products as defined by Directive 76/768/EEC;</li> <li>the following fuels and oil products: <ul style="list-style-type: none"> <li>motor fuels which are covered by Directive 98/70/EC,</li> <li>mineral oil products intended for use as fuel in mobile or fixed combustion plants,</li> <li>fuels sold in closed systems (e.g. liquid gas bottles);</li> </ul> </li> <li>artists' paints covered by Regulation (EC) No 1272/2008;</li> <li>the substances listed in Appendix 11, column 1, for the applications or uses listed in Appendix 11, column 2. Where a date is specified in column 2 of Appendix 11, the derogation shall apply until the said date.</li> </ol> </li> </ol>
29	<p>Without prejudice to the other parts of this Annex the following shall apply to entries 28 to 30:</p> <ol style="list-style-type: none"> <li>Shall not be placed on the market, or used, <ul style="list-style-type: none"> <li>as substances,</li> <li>as constituents of other substances, or,</li> <li>in mixtures, for supply to the general public when the individual concentration in the substance or mixture is equal to or greater than: <ul style="list-style-type: none"> <li>either the relevant specific concentration limit specified in Part 3 of Annex VI to Regulation (EC) No 1272/2008, or,</li> <li>the relevant generic concentration limit specified in Part 3 of Annex I of Regulation (EC) No 1272/2008.</li> </ul> </li> </ul> </li> </ol> <p>Without prejudice to the implementation of other Community provisions relating to the classification, packaging and labelling of substances and mixtures, suppliers shall ensure before the placing on the market that the packaging of such substances and mixtures is marked visibly, legibly and indelibly as follows:</p> <p>"Restricted to professional users".</p> <ol style="list-style-type: none"> <li>By way of derogation, paragraph 1 shall not apply to: <ol style="list-style-type: none"> <li>medicinal or veterinary products as defined by Directive 2001/82/EC and Directive 2001/83/EC;</li> <li>cosmetic products as defined by Directive 76/768/EEC;</li> <li>the following fuels and oil products: <ul style="list-style-type: none"> <li>motor fuels which are covered by Directive 98/70/EC,</li> <li>mineral oil products intended for use as fuel in mobile or fixed combustion plants,</li> <li>fuels sold in closed systems (e.g. liquid gas bottles);</li> </ul> </li> <li>artists' paints covered by Regulation (EC) No 1272/2008;</li> <li>the substances listed in Appendix 11, column 1, for the applications or uses listed in Appendix 11, column 2. Where a date is specified in column 2 of Appendix 11, the derogation shall apply until the said date.</li> </ol> </li> </ol>

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**15.2. Chemical safety assessment**  
not available

### SECTION 16: Other information

#### A list of standard risk phrases used in the safety data sheet

H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H280	Contains gas under pressure; may explode if heated.
H304	May be fatal if swallowed and enters airways.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

#### Guidelines for safe handling used in the safety data sheet

P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P261	Avoid breathing spray.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P501	Dispose of container to by disposing in a hazardous waste receptacle.

#### A list of additional standard phrases used in the safety data sheet

EUH 066	Repeated exposure may cause skin dryness or cracking.
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#### Other important information about human health protection

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

#### Key to abbreviations and acronyms used in the safety data sheet

ADR	European agreement concerning the international carriage of dangerous goods by road
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
DNEL	Derived no-effect level
EC	Identification code for each substance listed in EINECS
EC <sub>50</sub>	Concentration of a substance when it is affected 50% of the population
EINECS	European Inventory of Existing Commercial Chemical Substances
EmS	Emergency plan
EU	European Union
IATA	International Air Transport Association
IBC	International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals
IC <sub>50</sub>	Concentration causing 50% blockade
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
INCI	International Nomenclature of Cosmetic Ingredients
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry
LC <sub>50</sub>	Lethal concentration of a substance in which it can be expected death of 50% of the population
LD <sub>50</sub>	Lethal dose of a substance in which it can be expected death of 50% of the population

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LOAEC	Lowest observed adverse effect concentration
LOAEL	Lowest observed adverse effect level
log Kow	Octanol-water partition coefficient
MARPOL	International Convention for the Prevention of Pollution From Ships
NOAEC	No observed adverse effect concentration
NOAEL	No observed adverse effect level
NOEC	No observed effect concentration
NOEL	No observed effect level
OEL	Occupational Exposure Limits
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted no-effect concentration
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Agreement on the transport of dangerous goods by rail
UN	Four-figure identification number of the substance or article taken from the UN Model Regulations
UVCB	Substances of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very Persistent and very Bioaccumulative
Aerosol	Aerosol
Aquatic Chronic	Hazardous to the aquatic environment
Asp. Tox.	Aspiration hazard
Eye Irrit.	Eye irritation
Flam. Gas	Flammable gas
Flam. Liq.	Flammable liquid
Press. Gas	Gases under pressure
STOT SE	Specific target organ toxicity - single exposure

### Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

### Recommended restrictions of use

not available

### Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended.  
REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

### More information

Classification procedure - calculation method.

### Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.