

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Revision date: 23/12/2019 Date of issue: 29/01/2014

SECTION 1: Identification of the Substance/mixture and of the Company/Undertaking

Product Identifier 1.1.

Product form Mixture

Product Name CV2-2646 Part A Synonyms Silicone Elastomer

1.2. Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

1.2.1. Relevant Identified Uses

Use of the Substance/Mixture For professional use only.

1.2.2. Uses Advised Against

No additional information available

Details of the Supplier of the Safety Data Sheet

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SECTION 2: Hazards Identification

Classification of the Substance or Mixture 2.1.

Classification According to Regulation (EC) No. 1272/2008 [CLP]

Skin Sens. 1 H317 Aquatic Acute 1 H400 Aquatic Chronic 3 H412

Full text of hazard classes and H-statements: see section 16

Label Elements

Labelling According to Regulation (EC) No. 1272/2008 [CLP]

Hazard Pictograms (CLP)

GHS09

Signal Word (CLP) Warning Hazardous Ingredients Nickel

Hazard Statements (CLP) H317 - May cause an allergic skin reaction.

GHS07

H410 - Very toxic to aquatic life with long lasting effects.

Precautionary Statements (CLP) P261 - Avoid breathing vapors, mist, or spray

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According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

P272 - Contaminated work clothing should not be allowed out of the workplace.

P273 - Avoid release to the environment.

P280 - Wear eye protection, protective clothing, protective gloves

P302+P352 - IF ON SKIN: Wash with plenty of water P321 - Specific treatment (see Section 4 on this SDS) P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

P362+P364 - Take off contaminated clothing and wash it before reuse.

P391 - Collect spillage.

P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other Hazards

Other Hazards Not Contributing to the Classification

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

SECTION 3: Composition/Information on Ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product Identifier	%	Classification According to Regulation (EC) No. 1272/2008 [CLP]
Nickel*	(CAS-No.) 7440-02-0 (EC-No.) 231-111-4 (EC Index-No.) 028-002-00-7	40 - 60	Skin Sens. 1, H317 Carc. 2, H351 STOT RE 1, H372 Aquatic Acute 1, H400 Aquatic Chronic 3, H412
Silver*	(CAS-No.) 7440-22-4 (EC-No.) 231-131-3	15 - 25	Not classified
Glass, oxide, chemicals*	(CAS-No.) 65997-17-3 (EC-No.) 266-046-0	< 10	Not classified

Full text of H-statements: see section 16

SECTION 4: First Aid Measures

4.1. Description of First-aid Measures

First-Aid Measures General Never give anything by mouth to an unconscious person. If you

feel unwell, seek medical advice (show the label where

possible).

First-Aid Measures After

Inhalation

When symptoms occur: go into open air and ventilate

suspected area. Obtain medical attention if breathing difficulty

persists.

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^{*}Nickel and Glass are present as Silver coated spheres. The spheres are bound in a silicon matrix. Therefore, the respiratory hazards usually associated with Nickel are not applicable to the product.

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First-Aid Measures After Skin Remove contaminated clothing. Drench affected area with Contact

water for at least 15 minutes. Obtain medical attention if

irritation/rash develops or persists.

First-Aid Measures After Eye

Contact

Remove contact lenses, if present and easy to do. Continue rinsing. Rinse cautiously with water for at least 15 minutes.

Obtain medical attention.

First-Aid Measures After Rinse mouth. Do NOT induce vomiting. Obtain medical

Ingestion attention.

4.2. Most Important Symptoms and Effects Both Acute and Delayed

Symptoms/Effects Skin sensitisation.

Symptoms/Effects After Prolonged exposure may cause irritation.

Inhalation

Symptoms/Effects After Skin

Contact

May cause an allergic skin reaction.

Symptoms/Effects After Eye

Contact

May cause slight irritation to eyes.

Ingestion may cause adverse effects.

Symptoms/Effects After

Ingestion

Chronic Symptoms Nickel: May cause a form of dermatitis known as nickel itch

> and intestinal irritation, which may cause disorders, convulsions and asphyxia. Silver: Chronic skin contact or ingestion of silver dust, salts or fume can result in a condition known as Argyria, a

condition with bluish pigmentation of the skin and eyes.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: Firefighting Measures

5.1. **Extinguishing Media**

Suitable Extinguishing Media Water spray, fog, carbon dioxide (CO₂), alcohol-resistant foam,

or dry chemical.

Unsuitable Extinguishing Media Do not use a heavy water stream. Use of heavy stream of water

may spread fire.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard Not considered flammable but may burn at high temperatures.

Explosion Hazard Product is not explosive.

Reactivity Hazardous reactions will not occur under normal conditions. Hazardous Decomposition Oxides of nickel. Oxides of silver. Carbon oxides (CO, CO₂).

Products in Case of Fire Silicon oxides. Formaldehyde.

5.3. **Advice for Firefighters**

Precautionary Measures Fire Exercise caution when fighting any chemical fire. Firefighting Instructions Use water spray or fog for cooling exposed containers.

Protection During Firefighting Do not enter fire area without proper protective equipment,

including respiratory protection.

Other Information Do not allow run-off from fire fighting to enter drains or water

courses.

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SECTION 6: Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures Avoid breathing (vapor, mist, spray). Do not get in eyes, on skin,

or on clothing.

6.1.1. For Non-Emergency Personnel

Protective Equipment Use appropriate personal protective equipment (PPE).

Emergency Procedures Evacuate unnecessary personnel.

6.1.2. For Emergency Responders

Protective Equipment Equip cleanup crew with proper protection.

Emergency Procedures Upon arrival at the scene, a first responder is expected to

recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

6.2. Environmental Precautions

Prevent entry to sewers and public waters. Avoid release to the environment. Collect spillage.

6.3. Methods and Materials for Containment and Cleaning Up

For Containment Contain any spills with dikes or absorbents to prevent migration

and entry into sewers or streams.

Methods For Cleaning Up Clean up spills immediately and dispose of waste safely.

Transfer spilled material to a suitable container for disposal.

Contact competent authorities after a spill.

6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: Handling And Storage

7.1. Precautions for Safe Handling

Additional Hazards When Any proposed use of this product in elevated-temperature

Processed processes should be thoroughly evaluated to assure that safe

operating conditions are established and maintained.

Precautions for Safe Handling Avoid prolonged contact with eyes, skin and clothing. Avoid

breathing vapors, mist, spray. Wash hands and other exposed areas with mild soap and water before eating, drinking or

smoking and when leaving work.

Hygiene Measures Handle in accordance with good industrial hygiene and safety

procedures.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures Comply with applicable regulations.

Storage Conditions Keep container closed when not in use. Store in a dry, cool

place. Keep/Store away from direct sunlight, extremely high or

low temperatures and incompatible materials.

Incompatible Materials Strong acids, strong bases, strong oxidizers.

7.3. Specific End Use(S)

For professional use only.

SECTION 8: Exposure Controls/Personal Protection

8.1. Control Parameters

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Safety Data Sheet According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Nickel (7440-02-0)	06 (REACH) with its amendment Regulation (EU) 2015/830	
Austria	TEL TRK (mg/m³)	0,5 mg/m³ (dust, inhalable fraction)
Austria	OEL chemical category (AT)	Group A1 Carcinogen dust, Respiratory sensitizer dust, Skin sensitizer
Belgium	Limit value (mg/m³)	1 mg/m³
Bulgaria	OEL TWA (mg/m³)	0,05 mg/m³
Bulgaria	Bulgaria - BLV	45 µg/l Parameter: Nickel - Medium: urine - Sampling time: after several work shifts
Croatia	GVI (granična vrijednost izloženosti) (mg/m³)	0,5 mg/m³
Croatia	OEL chemical category (HR)	Carcinogen Category 1A
Croatia	Croatia - BLV	10 µg/l Parameter: Nickel - Medium: plasma - Sampling time: at the end of the work shift 8 µg/g creatinine Parameter: Nickel - Medium: urine - Sampling time: at the end of the work shift (calculated on the average Creatinine value of 1.2 g/L urine)
Czech Republic	Expoziční limity (PEL) (mg/m³)	0,5 mg/m³ (respirable fraction of aerosol)
Czech Republic	OEL chemical category (CZ)	Sensitizer
Czech Republic	Czech Republic - BLV	0,077 µmol/mmol Creatinine Parameter: Nickel - Medium: urine - Sampling time: discretionary 0,04 mg/g creatinine Parameter: Nickel - Medium: urine - Sampling time: discretionary
Denmark	Grænseværdie (langvarig) (mg/m³)	0,05 mg/m³ (dust and powder)
Estonia	OEL TWA (mg/m³)	0,5 mg/m³
Estonia	OEL chemical category (ET)	Sensitizer
Finland	HTP-arvo (8h) (mg/m³)	0,01 mg/m³ (respirable dust)
Finland	Finland - BLV	0,1 µmol/l Parameter: Nickel - Medium: urine - Sampling time: after the shift after a working week or exposure period
France	VME (mg/m³)	1 mg/m³ 1 mg/m³ (metal gratings)
France	OEL chemical category (FR)	Carcinogen category 2
Germany	Occupational exposure limit value (mg/m³)	0,006 mg/m³
Germany	Chemical category	Skin sensitization
Greece	OEL TWA (mg/m³)	1 mg/m³
Hungary	MK-érték	0,1 mg/m³
Hungary	OEL chemical category (HU)	Carcinogenic substance, Sensitizer

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Ireland	OEL (8 hours ref) (mg/m³)	0,5 mg/m³
Ireland	OEL (15 min ref) (mg/m3)	1,5 mg/m³ (calculated)
Ireland	OEL chemical category (IE)	Sensitizer
Latvia	OEL TWA (mg/m³)	0,05 mg/m³
Lithuania	IPRV (mg/m³)	0,5 mg/m³
Lithuania	OEL chemical category (LT)	Carcinogen, Sensitizer
Norway	Grenseverdier (AN) (mg/m³)	0,05 mg/m ³
Norway	Grenseverdier (Korttidsverdi)	0,03 mg/m
Norway	(mg/m3)	0,15 mg/m³ (value calculated)
Norway	OEL chemical category (NO)	Carcinogen, Potential reproductive hazard, Sensitizing substance
Poland	NDS (mg/m³)	0,25 mg/m³
Portugal	OEL TWA (mg/m³)	1,5 mg/m³ (inhalable fraction)
Portugal	OEL chemical category (PT)	A5 - Not Suspected as a Human
_		Carcinogen
Romania	OEL TWA (mg/m³)	0,1 mg/m³
Romania	OEL STEL (mg/m³)	0,5 mg/m³
Romania	OEL chemical category (RO)	C2
Romania	Romania - BLV	3 µg/l Parameter: Nickel - Medium: urine - Sampling time: end of shift (SCOEL)
Slovakia	Slovakia - BLV	0,03 mg/l Parameter: Nickel - Medium: blood - Sampling time: end of exposure or work shift
Slovenia	OEL TWA (mg/m³)	0,5 mg/m³ (inhalable fraction)
Slovenia	OEL STEL (mg/m³)	2 mg/m³ (inhalable fraction)
Slovenia	OEL chemical category (SL)	Category 2
Spain	VLA-ED (mg/m³)	1 mg/m³ (manufacturing, commercialization and use restrictions according to REACH)
Spain	OEL chemical category (ES)	Sensitizer
Sweden Sweden	nivågränsvärde (NVG) (mg/m³) OEL chemical category (SE)	0,5 mg/m³ (total dust) Sensitizer
Switzerland	MAK (mg/m³)	0,5 mg/m³ (inhalable dust)
Switzerland	OEL chemical category (CH)	Category C2 carcinogen, Sensitizer
Switzerland	Switzerland - BLV	45 μg/l Parameter: Nickel - Medium: urine - Sampling time: end of shift, and after several shifts (for long-term exposures)
United Kingdom	WEL TWA (mg/m³)	0,5 mg/m³
United Kingdom	WEL STEL (mg/m³)	1,5 mg/m³ (calculated)
United Kingdom	WEL chemical category	Potential for cutaneous absorption
Glass, oxide, chemicals (659	997-17-3)	·
Belgium	Limit value (mg/m³)	10 mg/m³ (dust and fiber)
Silver (7440-22-4)		
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EU	IOELV TWA (mg/m³)	0,1 mg/m³
Austria	MAK (mg/m³)	0,1 mg/m³ (inhalable fraction)
Austria	MAK Short time value (mg/m³)	0,1 mg/m³ (inhalable fraction)
Austria	OEL - Ceilings (mg/m³)	0,1 mg/m³ (inhalable fraction)
Belgium	Limit value (mg/m³)	0,1 mg/m³
Bulgaria	OEL TWA (mg/m³)	0,1 mg/m³
Croatia	GVI (granična vrijednost izloženosti) (mg/m³)	0,1 mg/m³
Cyprus	OEL TWA (mg/m³)	0,1 mg/m³
Czech Republic	Expoziční limity (PEL) (mg/m³)	0,1 mg/m³ (respirable fraction of aerosol)
Denmark	Grænseværdie (langvarig) (mg/m³)	0,01 mg/m³ (dust and powder)
Estonia	OEL TWA (mg/m³)	0,1 mg/m³
Finland	HTP-arvo (8h) (mg/m³)	0,1 mg/m³
France	VME (mg/m³)	0,1 mg/m³ (indicative limit)
Germany	Occupational exposure limit value (mg/m³)	0,1 mg/m³ (inhalable fraction)
Greece	OEL TWA (mg/m³)	0,1 mg/m³
Hungary	AK-érték	0,1 mg/m³
Ireland	OEL (8 hours ref) (mg/m³)	0,1 mg/m³ (metallic)
Ireland	OEL (15 min ref) (mg/m3)	0,3 mg/m³ (calculated)
Italy	OEL TWA (mg/m³)	0,1 mg/m³
Latvia	OEL TWA (mg/m³)	0,1 mg/m³
Lithuania	IPRV (mg/m³)	0,1 mg/m³
Luxembourg	OEL TWA (mg/m³)	0,1 mg/m³
Malta	OEL TWA (mg/m³)	0,1 mg/m³ (metallic)
Netherlands	Grenswaarde TGG 8H (mg/m³)	0,1 mg/m³ (metallic)
Norway	Grenseverdier (AN) (mg/m³)	0,1 mg/m³ (metal dust and fume)
Norway	Grenseverdier (Korttidsverdi) (mg/m3)	0,3 mg/m³ (value calculated-metal dust and fume)
Poland	NDS (mg/m³)	0,05 mg/m³ (inhalable fraction)
Portugal	OEL TWA (mg/m³)	0,01 mg/m³ (indicative limit value)
Romania	OEL TWA (mg/m³)	0,1 mg/m³ (metallic)
Slovakia	NPHV (priemerná) (mg/m³)	0,1 mg/m³
Slovenia	OEL TWA (mg/m³)	0,01 mg/m³ (inhalable fraction)
Slovenia	OEL STEL (mg/m³)	0,02 mg/m³ (inhalable fraction)
Spain	VLA-ED (mg/m³)	0,1 mg/m³ (indicative limit value)
Sweden	nivågränsvärde (NVG) (mg/m³)	0,1 mg/m³ (total dust)
Switzerland	KZGW (mg/m³)	0,8 mg/m³ (inhalable dust)
Switzerland	MAK (mg/m³)	0,1 mg/m³ (inhalable dust)
United Kingdom	WEL TWA (mg/m³)	0,1 mg/m³

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Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

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United Kingdom	WEL STEL (mg/m³)	0,3 mg/m³ (calculated)
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8.2. **Exposure Controls**

Appropriate Engineering Suitable eye/body wash equipment should be available in the Controls

vicinity of any potential exposure. Ensure adequate ventilation,

especially in confined areas. Ensure all national/local

regulations are observed.

Personal Protective Equipment Gloves. Protective clothing. Protective goggles.







Chemically resistant materials and fabrics. Materials for Protective Clothing

Hand Protection Wear protective gloves. **Eve Protection** Chemical safety goggles.

Skin and Body Protection Wear suitable protective clothing.

Respiratory Protection If exposure limits are exceeded or irritation is experienced,

> approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory

protection.

Other Information When using, do not eat, drink or smoke.

SECTION 9: Physical and Chemical Hazards

9.1. Information on Basic Physical and Chemical Properties

Physical State Liquid

Colour Grey - Green Odour Odourless

Odour Threshold No data available На No data available **Evaporation Rate** No data available Meltina Point No data available Freezing Point No data available **Boiling Point** No data available Flash Point > 135 °C (275 °F) **Auto-Ignition Temperature** No data available **Decomposition Temperature** No data available Flammability (Solid, Gas) Not applicable Vapour Pressure No data available Relative Vapour Density At 20 °C No data available Relative Density 3,23 (water = 1) Solubility No data available Partition Coefficient n-Octanol/Water No data available

Viscosity, Kinematic No data available No data available Viscosity, Dynamic **Explosive Properties** No data available Oxidising Properties No data available **Explosive Limits** No data available

9.2. Other Information

VOC content < 1 %

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SECTION 10: Stability and Reactivity

10.1. Reactivity

Hazardous reactions will not occur under normal conditions.

10.2. Chemical Stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility Of Hazardous Reactions

Hazardous polymerization will not occur.

10.4. Conditions To Avoid

Direct sunlight, extremely high or low temperatures, and incompatible materials.

10.5. Incompatible Materials

Strong acids, strong bases, strong oxidizers.

10.6. Hazardous Decomposition Products

Will decompose above 150 °C (>300° F) releasing formaldehyde vapors. Formaldehyde is a potential carcinogen and can act as a potential skin and respiratory sensitizer. Formaldehyde can also cause respiratory and eye irritation.

SECTION 11: Toxicological Information

11.1. Information On Toxicological Effects

Acute Toxicity	Not classified (Based on available data, the classification
	criteria are not met)

Nickel (7440-02-0)	
LD50 Oral Rat	> 9000 mg/kg
LC50 Inhalation Rat	> 10,2 mg/l (Exposure time: 1 h)
Silver (7440-22-4)	
LD50 Oral Rat	> 5000 mg/kg
LD50 Dermal Rat	> 2000 mg/kg

Skin Corrosion/Irritation	Not classified	(Based on available data,	the classification
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criteria are not met)

Eye Damage/Irritation Not classified (Based on available data, the classification

criteria are not met)

Respiratory or Skin Sensitization May cause an allergic skin reaction.

Germ Cell Mutagenicity Not classified (Based on available data, the classification

criteria are not met)

Carcinogenicity Not classified. (Based on available data, the classification

criteria are not met)

Reproductive Toxicity Not classified (Based on available data, the classification

criteria are not met)

Specific Target Organ Toxicity Not classified (Based on available data, the classification

(Single Exposure) criteria are not met)

Specific Target Organ Toxicity (Repeated Not classified. (Based on available data, the

Exposure) classification criteria are not met)

Aspiration Hazard Not classified (Based on available data, the classification

criteria are not met)

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SECTION 12: Ecological Information

12.1. Toxicity

Ecology - General Very toxic to aquatic life. Harmful to aquatic life with long

lasting effects.

Nickel (7440-02-0)		
LC50 Fish 1	100 mg/l (Exposure time: 96 h - Species: Brachydanio rerio)	
EC50 Daphnia 1	121,6 µg/l (Exposure time: 48h - Species: Ceriodaphnia dubia [static])	
LC50 Fish 2	15,3 mg/l	
EC50 Daphnia 2	1 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])	
EC50 Other Aquatic Organisms 2	0,174 (0,174 - 0,311) mg/l (Exposure time: 96 h - Species: Pseudokirchneriella subcapitata [static])	
Silver (7440-22-4)		
LC50 Fish 1	0,00155 - 0,00293 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])	
EC50 Daphnia 1	0,00024 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])	
LC50 Fish 2	0,0062 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])	
NOEC Chronic Fish	390 ng/l (Exposure time: 28d - Species: Pimephales promelas)	

12.2. Persistence and Degradability

CV2-2646 Part A	
Persistence and Degradability	May cause long-term adverse effects in the environment.

12.3. Bioaccumulative Potential

CV2-2646 Part A	
Bioaccumulative potential	Not established.

12.4. Mobility in Soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other Adverse Effects

Other Information Avoid release to the environment.

SECTION 13: Disposal Considerations

13.1. Waste Treatment Methods

Product/Packaging Disposal Dispose of contents/container in accordance with local, Recommendations regional, national, and international regulations.

Additional Information Container may remain hazardous when empty. Continue to

observe all precautions.

Ecology - Waste Materials Avoid release to the environment. This material is hazardous to

the aquatic environment. Keep out of sewers and waterways.

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SECTION 14: Transport Information

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

In accordance with ADR / RID / IMDG / IATA / ADN

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14.3. Transport Hazard Class(Es)				
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<i>V</i>				
14.4. Packing Group				
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vironment:				

14.6. Special Precautions For User

No additional information available

14.7. Transport in Bulk According to Annex II of MARPOL and The IBC Code

Not applicable

SECTION 15: Regulatory Information

15.1. Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

15.1.1. EU-Regulations

Contains no substance on the REACH candidate list Contains no REACH Annex XIV substances

15.1.2. National Regulations

No additional information available

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out

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SECTION 16: Other Information

Indication of Changes

Section	Section Header	Change	Date Changed
1, 4, 5, 6, 7, 8, 9, 10,	Minor changes to whole sections	Modified	23/12/2019
11, 12, 13, 14, 15, 16			
2	Classification According to Regulation (EC) No. 1272/2008 [CLP]	Modified	23/12/2019
	NO. 12/2/2000 [CLI]		
3	Composition/information on ingredients	Modified	23/12/2019

Date of Preparation or Latest Revision

Data Sources

23/12/2019

Information and data obtained and used in the authoring of this safety data sheet could come from database subscriptions, official government regulatory body websites, product/ingredient manufacturer or supplier specific information, and/or resources that include substance specific data and classifications according to GHS or their subsequent adoption of GHS. According to Regulation (EC) No. 1907/2006 (REACH)

with its amendment Regulation (EU) 2015/830

Other Information

Full Text of H- and EUH-statements:

Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Carc. 2	Carcinogenicity, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT RE 1	Specific target organ toxicity — Repeated exposure, Category 1
H317	May cause an allergic skin reaction.
H351	Suspected of causing cancer.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.

Abbreviations and Acronyms

ACGIH - American Conference of Governmental Industrial Hygienists

ADN – European Agreement Concerning the International Carriage of Dangerous

Goods by Inland Waterways

ADR - European Agreement Concerning the International Carriage of Dangerous

Goods by Road

ATE - Acute Toxicity Estimate BCF - Bioconcentration Factor

BEI - Biological Exposure Indices (BEI)

BOD - Biochemical Oxygen Demand

CAS No. - Chemical Abstracts Service Number

CLP - Classification, Labeling and Packaging Regulation (EC) No 1272/2008

COD - Chemical Oxygen Demand EC - European Community

EC50 - Median Effective Concentration

EEC – European Economic Community
EINECS – European Inventory of Existing Commercial Chemical Substances

EmS-No. (Fire) - IMDG Emergency Schedule Fire

EmS-No. (Spillage) - IMDG Emergency Schedule Spillage EU – European Union

ErC50 - EC50 in Terms of Reduction Growth Rate

GHS – Globally Harmonized System of Classification and Labelina of Chemicals

IARC - International Agency for Research on Cancer IATA - International Air Transport Association IBC Code - International Bulk Chemical Code

IMDG - International Maritime Dangerous Goods

IPRV - Ilgalaikio Poveikio Ribinis Dydis

IOELV – Indicative Occupational Exposure Limit Value

LC50 - Median Lethal Concentration LD50 - Median Lethal Dose

LOAEL - Lowest Observed Adverse Effect Level LOEC - Lowest-Observed-Effect Concentration

Log Koc - Soil Organic Carbon-water Partitioning Coefficient

Log Kow - Octanol/water Partition Coefficient

Log Pow - Ratio of the equilibrium concentration (C) of a dissolved substance in a two

NDS - Najwyzsze Dopuszczalne Stezenie

NDSCh - Najwyzsze Dopuszczalne Stezenie Chwilowe NDSP - Najwyzsze Dopuszczalne Stezenie Pulapowe

NOAEL - No-Observed Adverse Effect Level NOEC - No-Observed Effect Concentration

NRD - Nevirsytinas Ribinis Dydis

NTP - National Toxicology Program

OEL - Occupational Exposure Limits PBT - Persistent, Bioaccumulative and Toxic

PFL - Permissible Exposure Limit

pH – Potential Hydrogen

REACH – Registration, Evaluation, Authorisation, and Restriction of Chemicals RID – Regulations Concerning the International Carriage of Dangerous Goods by Rail

SADT - Self Accelerating Decomposition Temperature

SDS - Safety Data Sheet STEL - Short Term Exposure Limit

STOT - Specific Target Organ Toxicity

TA-Luft - Technische Anleitung zur Reinhaltung der Luft TEL TRK – Technical Guidance Concentrations

ThOD – Theoretical Oxygen Demand

TLM - Median Tolerance Limit

TLV - Threshold Limit Value

TPRD - Trumpalaikio Poveikio Ribinis Dydis

TRGS 510 - Technische Regel für Gefahrstoffe 510 - Lagerung von Gefahrstoffen in

ortsbeweglichen Behältern

TRGS 552 – Technische Regeln für Gefahrstoffe - N-Nitrosamine

TRGS 900 - Technische Regel für Gefahrstoffe 900 – Arbeitsplatzgrenzwerte

TRGS 903 - Technische Regel für Gefahrstoffe 903 - Biologische Grenzwerte TSCA - Toxic Substances Control Act TWA - Time Weighted Average

VOC – Volatile Organic Compounds VLA-EC - Valor Límite Ambiental Exposición de Corta Duración

VLA-ED - Valor Límite Ambiental Exposición Diaria

VLE - Valeur Limite D'exposition

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phase system consisting of two largely immiscible solvents, in this case octanol and water

MAK – Maximum Workplace Concentration/Maximum Permissible Concentration MARPOL - International Convention for the Prevention of Pollution

VME – Valeur Limite De Moyenne Exposition vPvB - Very Persistent and Very Bioaccumulativ

WEL – Workplace Exposure Limit WGK - Wassergefährdungsklasse

Nusil EU GHS SDS

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Version: 4.0

SECTION 1: Identification of the Substance/mixture and of the Company/Undertaking

1.1. Product Identifier

Product form Mixture

Product Name CV2-2646 Part B Synonyms Curing Agent

1.2. Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

1.2.1. Relevant Identified Uses

Use of the Substance/Mixture For professional use only

1.2.2. Uses Advised Against

No additional information available

1.3. Details of the Supplier of the Safety Data Sheet

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(International and Maritime)

+(44)-870-8200418 +(353)-19014670

SECTION 2: Hazards Identification

2.1. Classification of the Substance or Mixture

Classification According to Regulation (EC) No. 1272/2008 [CLP]

Skin Corr. 1C H314 Eve Dam. 1 H318 Skin Sens. 1 H317 Muta. 2 H341 Repr. 1B H360 STOT SE 1 H370 STOT RE 1 H372 Aquatic Acute 1 H400 Aquatic Chronic 1 H410

Full text of hazard classes and H-statements: see section 16

2.2. Label Elements

Labelling According to Regulation (EC) No. 1272/2008 [CLP]

GHS05

Hazard Pictograms (CLP)





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Signal Word (CLP) Hazardous Ingredients

Hazard Statements (CLP)

Danger Dibutyltin dilaurate

H314 Causes severe ski

H314 - Causes severe skin burns and eye damage. H317 - May cause an allergic skin reaction.

H341 - Suspected of causing genetic defects. H360 - May damage fertility or the unborn child.

H370 - Causes damage to organs (thymus).

H372 - Causes damage to organs (thymus) through prolonged or repeated exposure.

H410 - Very toxic to aquatic life with long lasting effects.

Precautionary Statements (CLP)

P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.

P260 - Do not breathe vapors, mist, or spray

P264 - Wash hands, forearms, and other exposed areas

thoroughly after handling

P270 - Do not eat, drink or smoke when using this product

P272 - Contaminated work clothing should not be allowed out of the workplace.

P273 - Avoid release to the environment.

P280 - Wear protective gloves, protective clothing, and eye protection

P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting

P302+P352 - IF ON SKIN: Wash with plenty of water

P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308+P311 - If exposed or concerned: Call a POISON CENTER/doctor

P310 - Immediately call a POISON CENTER or doctor

P314 - Get medical advice/attention if you feel unwell.

P321 - Specific treatment (see section 4 on this SDS)

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

P362+P364 - Take off contaminated clothing and wash it before reuse.

P391 - Collect spillage.

P405 - Store locked up.

P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other Hazards

Other Hazards Not Contributing to the Classification

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

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SECTION 3: Composition/Information on Ingredients

3.1. **Substances**

Not applicable

Mixtures 3.2.

Name	Product Identifier	%	Classification According to Regulation (EC) No. 1272/2008 [CLP]
Dibutyltin dilaurate	(CAS-No.) 77-58-7 (EC-No.) 201-039-8 (EC Index-No.) 050-030-00-3	40 - 70	Skin Corr. 1C, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Muta. 2, H341 Repr. 1B, H360 STOT SE 1, H370 STOT RE 1, H372 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of H-statements: see section 16

SECTION 4: First Aid Measures

Description of Eirst aid Magaziros

4.1. Description of First-aid Measures		
First-Aid Measures General	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).	
First-Aid Measures After Inhalation	Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician.	
First-Aid Measures After Skin Contact	Immediately remove contaminated clothing. Immediately flush skin with plenty of water for at least 30 minutes. Get immediate medical advice/attention.	
First-Aid Measures After Eye Contact	Immediately rinse with water for at least 30 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.	
First-Aid Measures After	Rinse mouth. Do NOT induce vomiting. Obtain emergency	

Ingestion medical attention. 4.2. Most Important Symptoms and Effects Both Acute and Delayed

Symptoms/Effects	Causes severe skin burns and eye damage. Skin sensitisation.
	Causes damage to organs (thymus). Causes damage to organs
	through prolonged (thymus) or repeated exposure. May
	damage fertility. May damage the unborn child. Suspected of
	causing genetic defects.
Symptoms/Effects After Inhalation	May be corrosive to the respiratory tract.

Symptoms/Effects After Skin

Contact

Symptoms/Effects After Eye

Contact

Symptoms/Effects After

Ingestion

May cause an allergic skin reaction. Causes severe irritation

which will progress to chemical burns.

Causes permanent damage to the cornea, iris, or conjunctiva.

May cause burns or irritation of the linings of the mouth, throat,

and gastrointestinal tract.

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Causes damage to organs (thymus) through prolonged or Chronic Symptoms

repeated exposure. Suspected of causing genetic defects.

May damage fertility or the unborn child.

Indication of Any Immediate Medical Attention and Special Treatment Needed 4.3.

If exposed or concerned, get medical advice and attention. If medical advice is needed, have

product container or label at hand.

SECTION 5: Firefighting Measures

Extinguishing Media 5.1.

Suitable Extinguishing Media Dry chemical powder, alcohol-resistant foam, carbon dioxide

(CO₂). Water may be ineffective but water should be used to

keep fire-exposed container cool.

Do not use a heavy water stream. A heavy water stream may Unsuitable Extinguishing Media

spread burning liquid.

Special Hazards Arising From the Substance or Mixture 5.2.

Fire Hazard Combustible liquid.

Explosion Hazard May form flammable or explosive vapour-air mixture.

Reactivity Reacts violently with strong oxidisers. Increased risk of fire or

explosion. May react exothermically with water releasing heat. Adding an acid to a base or base to an acid may cause a

violent reaction.

Hazardous Decomposition Products in Case of Fire

Carbon oxides (CO, CO₂). Silicon oxides. Oxides of tin.

5.3. **Advice for Firefighters**

Precautionary Measures Fire

Exercise caution when fighting any chemical fire.

Firefiahtina Instructions Use water spray or fog for cooling exposed containers. In case

of major fire and large quantities: Evacuate area. Fight fire

remotely due to the risk of explosion.

Do not enter fire area without proper protective equipment, Protection During Firefighting

including respiratory protection.

Other Information Do not allow run-off from fire fighting to enter drains or water

courses.

SECTION 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures 6.1.

General Measures Do not breathe vapor, mist or spray. Do not get in eyes, on skin,

> or on clothing. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Use

special care to avoid static electric charges.

6.1.1. For Non-Emergency Personnel

Protective Equipment Use appropriate personal protective equipment (PPE).

Emergency Procedures Evacuate unnecessary personnel. Stop leak if safe to do so.

6.1.2. For Emergency Responders

Protective Equipment Equip cleanup crew with proper protection.

Emergency Procedures Upon arrival at the scene, a first responder is expected to

recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

Eliminate ignition sources.

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6.2. Environmental Precautions

Prevent entry to sewers and public waters. Avoid release to the environment. Collect spillage.

6.3. Methods and Materials for Containment and Cleaning Up

For Containment Contain any spills with dikes or absorbents to prevent migration

and entry into sewers or streams. As an immediate

precautionary measure, isolate spill or leak area in all directions.

Methods For Cleaning Up Clean up spills immediately and dispose of waste safely.

Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill. Absorb and/or contain spill with inert material. Do not take up in combustible material such as: saw dust or cellulosic material. Use only non-

sparking tools. Cautiously neutralize spilled liquid.

6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: Handling And Storage

7.1. Precautions for Safe Handling

Additional Hazards When Ha

Processed

Handle empty containers with care because residual vapours

are flammable. May release corrosive vapors.

Precautions for Safe Handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe vapours, mist, spray. Do not get in eyes, on skin, or on clothing. Take precautionary measures against static discharge. Use only non-sparking tools. Handle empty containers with care because they may still present a hazard. Wash hands and other exposed areas with mild soap and water before eating,

drinking or smoking and when leaving work.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety

procedures.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures Comply with applicable regulations. Take action to prevent

static discharges. Ground and bond container and receiving equipment. Use explosion-proof electrical, ventilating, and

lighting equipment.

Storage Conditions Store in a dry, cool place. Keep/Store away from direct sunlight,

extremely high or low temperatures and incompatible materials. Store locked up/in a secure area. Store in a well-ventilated place. Keep container tightly closed. Keep in fireproof place. Store in original container or corrosive resistant

and/or lined container.

Incompatible Materials Strong acids, strong bases, strong oxidizers.

7.3. Specific End Use(S) For professional use only

SECTION 8: Exposure Controls/Personal Protection

8.1. Control Parameters

Tin organic compounds		
Austria	MAK (mg/m³)	0,1 mg/m³ (except tri-n-Butyltin

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	1907/2006 (REACH) with its amendment Regulation (EU) 2015/830	compounds-inhalable fraction)
Austria	MAK Short time value (mg/m³)	0,2 mg/m³ (except Tri-n-butyltin
	,	compounds-inhalable fraction)
Austria	OEL chemical category (AT)	Skin notation except Tri-n-butyItin
		compounds
Belgium	Limit value (mg/m³)	0,1 mg/m³
Belgium	Short time value (mg/m³)	0,2 mg/m³
Belgium	OEL chemical category (BE)	Skin
Bulgaria	OEL TWA (mg/m³)	0,1 mg/m³
Croatia	GVI (granična vrijednost izloženosti) (mg/m³)	0,1 mg/m³ (except Cyhexatin)
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m³)	0,2 mg/m³ (except Cyhexatin)
Czech Republic	Expoziční limity (PEL) (mg/m³)	0,1 mg/m³
Czech Republic	OEL chemical category (CZ)	Potential for cutaneous absorption
Denmark	Grænseværdie (langvarig) (mg/m³)	0,1 mg/m³ (except Tri-n-butyItin compounds)
Estonia	OEL TWA (mg/m³)	0,1 mg/m³
Estonia	OEL STEL (mg/m³)	0,2 mg/m³
Estonia	OEL chemical category (ET)	Skin notation
Finland	HTP-arvo (8h) (mg/m³)	0,1 mg/m³
Finland	HTP-arvo (15 min)	0,3 mg/m³
Finland	OEL chemical category (FI)	Potential for cutaneous absorption
France	VLE (mg/m³)	0,2 mg/m³
France	VME (mg/m³)	0,1 mg/m³
Greece	OEL TWA (mg/m³)	0,1 mg/m³
Greece	OEL STEL (mg/m³)	0,2 mg/m³
Greece	OEL chemical category (GR)	skin - potential for cutaneous absorption
Hungary	AK-érték	0,1 mg/m³
Hungary	CK-érték	0,4 mg/m³
Hungary	OEL chemical category (HU)	Potential for cutaneous absorption
Ireland	OEL (8 hours ref) (mg/m³)	0,1 mg/m³
Ireland	OEL (15 min ref) (mg/m3)	0,2 mg/m³
Lithuania	IPRV (mg/m³)	0,1 mg/m³
Lithuania	TPRV (mg/m³)	0,2 mg/m³
Lithuania	OEL chemical category (LT)	Skin notation
Norway	Grenseverdier (AN) (mg/m³)	0,1 mg/m³
Norway	Grenseverdier (Korttidsverdi) (mg/m3)	0,3 mg/m³ (value calculated)
Norway	OEL chemical category (NO)	Skin notation
Portugal	OEL TWA (mg/m³)	0,1 mg/m³
Portugal	OEL STEL (mg/m³)	0,2 mg/m³
Portugal	OEL chemical category (PT)	A4 - Not Classifiable as a Human Carcinogen,skin - potential for cutaneous exposure

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	1707/2000 (REACH) WIIITHS differial Regulation (E0) 2019/000	
Romania	OEL TWA (mg/m³)	0,05 mg/m³
Romania	OEL STEL (mg/m³)	0,15 mg/m³
Slovakia	NPHV (priemerná) (mg/m³)	0,1 mg/m³
Slovakia	NPHV (Hraničná) (mg/m³)	0,2 mg/m³
Slovakia	OEL chemical category (SK)	Potential for cutaneous absorption
Spain	VLA-ED (mg/m³)	0,1 mg/m³
Spain	VLA-EC (mg/m³)	0,2 mg/m³
Spain	OEL chemical category (ES)	skin - potential for cutaneous
		absorption
Sweden	nivågränsvärde (NVG) (mg/m³)	0,1 mg/m³ (total dust)
Sweden	kortidsvärde (KTV) (mg/m³)	0,2 mg/m³ (total dust)
Sweden	OEL chemical category (SE)	Skin notation
Switzerland	KZGW (mg/m³)	0,2 mg/m³ (inhalable dust)
Switzerland	MAK (mg/m³)	0,1 mg/m³ (inhalable dust)
Switzerland	OEL chemical category (CH)	Skin notation
United Kingdom	WEL TWA (mg/m³)	0,1 mg/m³ (except Cyhexatin)
United Kingdom	WEL STEL (mg/m³)	0,2 mg/m³ (except Cyhexatin)
United Kingdom	WEL chemical category	Potential for cutaneous absorption except Cyhexatin

8.2. Exposure Controls

Appropriate Engineering Controls

Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed. Gas detectors should be used when flammable gases or vapors may be released. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof equipment. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Gloves. Protective clothing. Protective goggles. Insufficient ventilation: wear respiratory protection. Face shield.

Personal Protective Equipment











Materials for Protective Clothing

Hand Protection
Eye Protection
Skin and Body Protection
Respiratory Protection

Other Information

Chemically resistant materials and fabrics. Wear fire/flame resistant/retardant clothing. Corrosion-proof clothing.

Wear protective gloves.

Chemical safety goggles and face shield.

Wear suitable protective clothing.

If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

When using, do not eat, drink or smoke.

SECTION 9: Physical and Chemical Hazards

9.1. Information on Basic Physical and Chemical Properties

Physical State Liquid

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ccording to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830			
Colour	Yellow		
Odour	Pungent		
Odour Threshold	No data available		
рН	No data available		
Evaporation Rate	No data available		
Melting Point	No data available		
Freezing Point	No data available		
Boiling Point	No data available		
Flash Point	> 93 °C (199 °F)		
Auto-Ignition Temperature	No data available		
Decomposition Temperature	No data available		
Flammability (Solid, Gas)	Not applicable		
Vapour Pressure	No data available		
Relative Vapour Density At 20 °C	No data available		
Relative Density	< 1 (Water = 1)		
Density	No data available		
Solubility	No data available		
Partition Coefficient n-Octanol/Water	No data available		
Viscosity, Kinematic	No data available		
Viscosity, Dynamic	No data available		
Explosive Properties	No data available		
Oxidising Properties	No data available		
Explosive Limits	No data available		
9.2. Other Information			
\(\alpha \alpha \alpha \qquad \qquad \qquad \qquad \qu	.107		

VOC Content <1%

SECTION 10: Stability and Reactivity

10.1. Reactivity

Reacts violently with strong oxidisers. Increased risk of fire or explosion. May react exothermically with water releasing heat. Adding an acid to a base or base to an acid may cause a violent reaction.

10.2. Chemical Stability

Combustible liquid. May form flammable or explosive vapour-air mixture.

10.3. Possibility Of Hazardous Reactions

Hazardous polymerization will not occur.

10.4. Conditions To Avoid

Dibutyltin dilaurate (77-58-7)

Direct sunlight, extremely high or low temperatures, heat, hot surfaces, sparks, open flames, incompatible materials, and other ignition sources.

10.5. Incompatible Materials

Strong acids, strong bases, strong oxidizers.

10.6. Hazardous Decomposition Products

Decomposition products from hydrolysis in water: propanol. Thermal decomposition generates: Corrosive vapours.

SECTION 11: Toxicological Information

11.1. Information On Toxicological Effects

Acute Toxicity Not classified (Based on available data, the classification

criteria are not met)

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According to Regulation (EC) No. 1707/2000 (REACH) Will his different Regulation (E0) 2010/000		
Dibutyltin dilaurate (77-58-7)		
LD50 Oral	175 mg/kg	
LD50 Dermal Rat	> 2 g/kg	
Skin Corrosion/Irritation	Causes severe skin burns and eye damage.	
Eye Damage/Irritation	Causes serious eye damage.	
Respiratory or Skin Sensitization	May cause an allergic skin reaction.	
Germ Cell Mutagenicity	Suspected of causing genetic defects.	
Carcinogenicity	Not classified (Based on available data, the classification criteria are not met)	
Reproductive Toxicity	May damage fertility or the unborn child.	
Specific Target Organ Toxicity (Sir	ngle Exposure) Causes damage to organs (thymus).	
Specific Target Organ Toxicity (Re	epeated Causes damage to organs (thymus) through	
Exposure)	prolonged or repeated exposure.	
Aspiration Hazard	Not classified (Based on available data, the classification criteria are not met)	

SECTION 12: Ecological Information

12.1. Toxicity

Ecology - General	Very foxic to aquatic life with long lasting effects.
Dibutyltin dilaurate (77-58-7)	
EC50 Daphnia 1	0,463 mg/l (Daphnia magna)

12.2. Persistence and Degradability

CV2-2646 Part B	
Persistence and Degradability	May cause long-term adverse effects in the environment.

12.3. Bioaccumulative Potential

CV2-2646 Part B	
Bioaccumulative potential	Not established.
Dibutyltin dilaurate (77-58-7)	
Log Pow	4,44

12.4. Mobility in Soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other Adverse Effects

Other Information Avoid release to the environment.

SECTION 13: Disposal Considerations

13.1. Waste Treatment Methods

Product/Packaging Disposal	Dispose of contents/container in accordance with local,
Recommendations	regional, national, and international regulations.
Additional Information	Handle empty containers with care because residual vapours are flammable.
Ecology - Waste Materials	Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

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SECTION 14: Transport Information

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

In accordance with ADR / RID / IMDG / IATA / ADN

111 00001 001100 1111	117 (5)(7) (10)	, ,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
ADR	IMDG	IATA	ADN	RID		
14.1. UN Number						
3265	3265	3265	3265	3265		
14.2. UN Proper	14.2. UN Proper Shipping Name					
CORROSIVE	CORROSIVE	CORROSIVE	CORROSIVE	CORROSIVE		
LIQUID, ACIDIC,	LIQUID, ACIDIC,	LIQUID, ACIDIC,	LIQUID, ACIDIC,	LIQUID, ACIDIC,		
ORGANIC, N.O.S.	ORGANIC, N.O.S.	ORGANIC, N.O.S.	ORGANIC, N.O.S.	ORGANIC, N.O.S.		
(Contains	(Contains	(Contains	(Contains	(Contains		
Dibutyltin	Dibutyltin	Dibutyltin	Dibutyltin	Dibutyltin		
dilaurate)	dilaurate)	dilaurate)	dilaurate)	dilaurate)		
14.3. Transport Hazard Class(Es)						
8	8	8	8	8		
8	8	8	8			
14.4. Packing Group						
III		III	III			
14.5. Environmental Hazards						
Dangerous for	Dangerous for	Dangerous for	Dangerous for	Dangerous for		
the environment:	the environment:	the environment:	the environment:	the environment:		
Yes	Yes	Yes	Yes	Yes		
	Marine pollutant :					
	Yes					

14.6. Special Precautions For User

No additional information available

14.7. Transport in Bulk According to Annex II of MARPOL and The IBC Code

Not applicable

SECTION 15: Regulatory Information

15.1. Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

15.1.1. EU-Regulations

Contains no substance on the REACH candidate list Contains no REACH Annex XIV substances

15.1.2. National Regulations

No additional information available

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out

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SECTION 16: Other Information

Indication of Changes

Section	Section Header	Change	Date Changed
1	Identification of the Substance/mixture and of the		23/12/2019
	Company/Undertaking		
9	Physical and Chemical Hazards	Modified	23/12/2019

Date of Preparation or Latest Revision

Data Sources

Other Information

23/12/2019

Information and data obtained and used in the authoring of this safety data sheet could come from database subscriptions, official government regulatory body websites, product/ingredient manufacturer or supplier specific information, and/or resources that include substance specific data and classifications according to

GHS or their subsequent adoption of GHS.

According to Regulation (EC) No. 1907/2006 (REACH) with

its amendment Regulation (EU) 2015/830

Full Text of H- and EUH-statements:

Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Muta. 2	Germ cell mutagenicity, Category 2
Repr. 1B	Reproductive toxicity, Category 1B
Skin Corr. 1C	Skin corrosion/irritation, Category 1C
Skin Sens. 1	Skin sensitisation, Category 1
STOT RE 1	Specific target organ toxicity — Repeated exposure, Category 1
STOT SE 1	Specific target organ toxicity — Single exposure, Category 1
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H341	Suspected of causing genetic defects.
H360	May damage fertility or the unborn child.
H370	Causes damage to organs.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Abbreviations and Acronyms

ACGIH – American Conference of Governmental Industrial Hygienists

ADN – European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterways

ADR - European Agreement Concerning the International Carriage of Dangerous

Goods by Road

ATE - Acute Toxicity Estimate BCF - Bioconcentration Factor

BEI - Biological Exposure Indices (BEI) BOD - Biochemical Oxygen Demand

CAS No. - Chemical Abstracts Service Number CLP – Classification, Labeling and Packaging Regulation (EC) No 1272/2008

COD - Chemical Oxygen Demand

EC - European Community

EC50 - Median Effective Concentration

EEC – European Economic Community
EINECS – European Inventory of Existing Commercial Chemical Substances

EmS-No. (Fire) - IMDG Emergency Schedule Fire EmS-No. (Spillage) - IMDG Emergency Schedule Spillage

EU – European Union

ErC50 - EC50 in Terms of Reduction Growth Rate

NDS - Najwyzsze Dopuszczalne Stezenie

NDSCh - Najwyzsze Dopuszczalne Stezenie Chwilowe NDSP - Najwyzsze Dopuszczalne Stezenie Pulapowe

NOAEL - No-Observed Adverse Effect Level

NOEC - No-Observed Effect Concentration

NRD - Nevirsytinas Ribinis Dydis

NTP - National Toxicology Program

OEL - Occupational Exposure Limits PBT - Persistent, Bioaccumulative and Toxic

PEL - Permissible Exposure Limit

pH - Potential Hydrogen

REACH – Registration, Evaluation, Authorisation, and Restriction of Chemicals

 ${\rm RID}$ – Regulations Concerning the International Carriage of Dangerous Goods by Rail SADT - Self Accelerating Decomposition Temperature

SDS - Safety Data Sheet STEL - Short Term Exposure Limit

STOT - Specific Target Organ Toxicity

TA-Luft - Technische Anleitung zur Reinhaltung der Luft TEL TRK – Technical Guidance Concentrations

ThOD – Theoretical Oxygen Demand

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GHS – Globally Harmonized System of Classification and Labeling of Chemicals

IARC - International Agency for Research on Cancer IATA - International Air Transport Association IBC Code - International Bulk Chemical Code

IMDG - International Maritime Dangerous Goods IPRV - Ilgalaikio Poveikio Ribinis Dydis

IOELV – Indicative Occupational Exposure Limit Value

LC50 - Median Lethal Concentration

LD50 - Median Lethal Dose

LOAEL - Lowest Observed Adverse Effect Level LOEC - Lowest-Observed-Effect Concentration

Log Koc - Soil Organic Carbon-water Partitioning Coefficient

Log Kow - Octanol/water Partition Coefficient

Log Pow - Ratio of the equilibrium concentration (C) of a dissolved substance in a twophase system consisting of two largely immiscible solvents, in this case octanol and water

Maximum Workplace Concentration/Maximum Permissible Concentration

MARPOL - International Convention for the Prevention of Pollution

Nusil FU GHS SDS

TLV - Threshold Limit Value

TPRD - Trumpalaikio Poveikio Ribinis Dydis

TRGS 510 - Technische Regel für Gefahrstoffe 510 - Lagerung von Gefahrstoffen in

ortsbeweglichen Behältern

TRGS 552 – Technische Regeln für Gefahrstoffe - N-Nitrosamine

TRGS 900 - Technische Regel für Gefahrstoffe 900 – Arbeitsplatzgrenzwerte TRGS 903 - Technische Regel für Gefahrstoffe 903 - Biologische Grenzwerte

TSCA - Toxic Substances Control Ac TWA - Time Weighted Average VOC – Volatile Organic Compounds

VLA-EC - Valor Límite Ambiental Exposición de Corta Duración

VLA-ED - Valor Límite Ambiental Exposición Diaria

VLE – Valeur Limite D'exposition VME – Valeur Limite De Moyenne Exposition

vPvB - Very Persistent and Very Bioaccumulative

WEL – Workplace Exposure Limit

WGK - Wassergefährdungsklasse

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