MED-6615 Part A

Safety Data Sheet

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

Revision date: 07/07/2020 Date of issue: 24/03/2014 Version: 2.0.

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

1.1. Product Identifier

Product form	Mixture
Product Name	MED-6615 Part A
Synonyms	Silicone Coating

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

NuSil Technology Europe
1198 Avenue Maurice Donat
Le Natura Bt. 2
06250 Mougins
France
+33 4 92 96 93 31
ehs@nusil.com
www.nusil.com

1.4. Emergency Telephone Number

Emergency Number : 800-424-9300 CHEMTREC (in US); +1 703-527-3887 CHEMTREC (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]

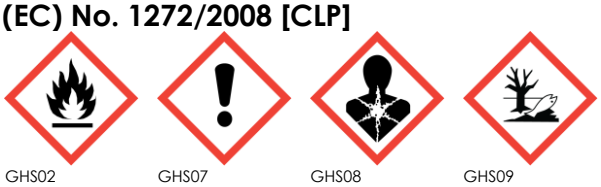
Flam. Liq. 2	H225
Skin Irrit. 2	H315
STOT SE 3	H336
Asp. Tox. 1	H304
Aquatic Acute 1	H400
Aquatic Chronic 1	H410

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

2.2. Label Elements

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

Hazard Pictograms (CLP)



GHS02 GHS07 GHS08 GHS09

Signal Word (CLP)	Danger
Hazardous Ingredients	n-Heptane
Hazard Statements (CLP)	H225 - Highly flammable liquid and vapour.

	H304 - May be fatal if swallowed and enters airways. H315 - Causes skin irritation. H336 - May cause drowsiness or dizziness. H410 - Very toxic to aquatic life with long lasting effects.
Precautionary Statements (CLP)	P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233 - Keep container tightly closed. P240 - Ground and bond container and receiving equipment. P241 - Use explosion-proof electrical, ventilating, and lighting equipment. P242 - Use non-sparking tools. P243 - Take action to prevent static discharges. P261 - Avoid breathing mist, spray, vapours P264 - Wash hands, forearms and face thoroughly after handling P271 - Use only outdoors or in a well-ventilated area. P273 - Avoid release to the environment. P280 - Wear eye protection, face protection, protective clothing, protective gloves P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor 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. P312 - Call a POISON CENTRE or doctor if you feel unwell. P321 - Specific treatment (see Section 4 on this SDS) P331 - Do NOT induce vomiting. P332+P313 - If skin irritation occurs: Get medical advice/attention. P362+P364 - Take off contaminated clothing and wash it before reuse. P370+P378 - In case of fire: Use alcohol resistant foam to extinguish P391 - Collect spillage. P403+P235 - Store in a well-ventilated place. Keep cool. 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.

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]
n-Heptane	(CAS-No.) 142-82-5 (EC-No.) 205-563-8 (EC Index-No.) 601-008-00-2	60 - 80	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)

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.

First-Aid Measures After Skin Contact: Immediately remove contaminated clothing. Immediately drench affected area with water for at least 15 minutes.

First-Aid Measures After Eye Contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists.

First-Aid Measures After Ingestion: Do NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTER or doctor/physician.

4.2. Most Important Symptoms and Effects Both Acute and Delayed

Symptoms/Effects: Causes skin irritation. May be fatal if swallowed and enters airways. May cause drowsiness and dizziness.

Symptoms/Effects After Inhalation: High concentrations may cause central nervous system depression such as dizziness, vomiting, numbness, drowsiness, headache, and similar narcotic symptoms.

Symptoms/Effects After Skin Contact: Redness, pain, swelling, itching, burning, dryness, and dermatitis.

Symptoms/Effects After Eye Contact: May cause slight irritation to eyes.

Symptoms/Effects After Ingestion: Aspiration into the lungs can occur during ingestion or vomiting and may cause lung injury.

Chronic Symptoms: Repeated or prolonged skin contact may cause dermatitis and defatting.

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	Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO_2). Water may be ineffective but water should be used to keep fire-exposed container cool.
Unsuitable Extinguishing Media	Do not use a heavy water stream. A heavy water stream may spread burning liquid.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard	Highly flammable liquid and vapour. Vapours are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapours.
Explosion Hazard	May form flammable or explosive vapour-air mixture.
Reactivity	Reacts violently with strong oxidisers. Increased risk of fire or explosion.
Hazardous Decomposition Products in Case of Fire	Carbon oxides (CO, CO_2). Silicon oxides.

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. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.
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.

SECTION 6: Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures	Avoid breathing (vapour, mist, 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.

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. Absorb and/or contain spill with inert material. Do not take up in combustible material such as: saw dust or cellulosic material. Transfer spilled material to a suitable container for disposal. Use only non-sparking tools. 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 Processed	Any proposed use of this product in elevated-temperature processes should be thoroughly evaluated to assure that safe operating conditions are established and maintained. Handle empty containers with care because residual vapours are flammable.
Precautions for Safe Handling	Avoid prolonged contact with eyes, skin and clothing. Avoid breathing vapours, mist, spray. Take precautionary measures against static discharge. Use only non-sparking tools. 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.
Incompatible Materials	Strong oxidisers. Combustible materials. Attacks some forms of plastics, rubber, and coatings.

7.3. Specific End Use(S)

For professional use only.

SECTION 8: Exposure Controls/Personal Protection

8.1. Control Parameters

n-Heptane (142-82-5)		
EU	IOELV TWA (mg/m³)	2085 mg/m³
EU	IOELV TWA (ppm)	500 ppm
Austria	MAK (mg/m³)	2000 mg/m³ (Heptane isomers)
Austria	MAK (ppm)	500 ppm (Heptane isomers)
Austria	MAK Short time value (mg/m³)	8000 mg/m³ (Heptane (all isomers))

Austria	MAK Short time value (ppm)	2000 ppm (Heptane (all isomers))
Belgium	Limit value (mg/m³)	1664 mg/m³
Belgium	Limit value (ppm)	400 ppm
Belgium	Short time value (mg/m³)	2085 mg/m³
Belgium	Short time value (ppm)	500 ppm
Bulgaria	OEL TWA (mg/m³)	1600 mg/m³
Croatia	GVI (granična vrijednost izloženosti) (mg/m³)	2085 mg/m³
Croatia	GVI (granična vrijednost izloženosti) (ppm)	500 ppm
Croatia	OEL chemical category (HR)	Skin notation
Cyprus	OEL TWA (mg/m³)	2085 mg/m³
Cyprus	OEL TWA (ppm)	500 ppm
Czech Republic	Expoziční limity (PEL) (mg/m³)	1000 mg/m³
Denmark	Grænseværdie (langvarig) (mg/m³)	820 mg/m³
Denmark	Grænseværdie (langvarig) (ppm)	200 ppm
Estonia	OEL TWA (mg/m³)	2085 mg/m³
Estonia	OEL TWA (ppm)	500 ppm
Finland	HTP-arvo (8h) (mg/m³)	1200 mg/m³ (Heptane)
Finland	HTP-arvo (8h) (ppm)	300 ppm (Heptane)
Finland	HTP-arvo (15 min)	2100 mg/m³
Finland	HTP-arvo (15 min) (ppm)	500 ppm
France	VLE (mg/m³)	2085 mg/m³ (restrictive limit)
France	VLE (ppm)	500 ppm (restrictive limit)
France	VME (mg/m³)	1668 mg/m³ (restrictive limit)
France	VME (ppm)	400 ppm (restrictive limit)
Germany	Occupational exposure limit value (mg/m³)	2100 mg/m³ (all isomers)
Germany	Occupational exposure limit value (ppm)	500 ppm (all isomers)
Gibraltar	Eight hours mg/m3	2085 mg/m³
Gibraltar	Eight hours ppm	500 ppm
Greece	OEL TWA (mg/m³)	2000 mg/m³
Greece	OEL TWA (ppm)	500 ppm
Greece	OEL STEL (mg/m³)	2000 mg/m³
Greece	OEL STEL (ppm)	500 ppm
Hungary	AK-érték	2000 mg/m³
Ireland	OEL (8 hours ref) (mg/m³)	2085 mg/m³
Ireland	OEL (8 hours ref) (ppm)	500 ppm
Ireland	OEL (15 min ref) (mg/m3)	6255 mg/m³ (calculated)
Ireland	OEL (15 min ref) (ppm)	1500 ppm (calculated)
Italy	OEL TWA (mg/m³)	2085 mg/m³
Italy	OEL TWA (ppm)	500 ppm

Latvia	OEL TWA (mg/m³)	350 mg/m³
Latvia	OEL TWA (ppm)	85 ppm
Lithuania	IPRV (mg/m³)	2085 mg/m³
Lithuania	IPRV (ppm)	500 ppm
Lithuania	TPRV (mg/m³)	3128 mg/m³
Lithuania	TPRV (ppm)	750 ppm
Luxembourg	OEL TWA (mg/m³)	2085 mg/m³
Luxembourg	OEL TWA (ppm)	500 ppm
Malta	OEL TWA (mg/m³)	2085 mg/m³
Malta	OEL TWA (ppm)	500 ppm
Netherlands	Grenswaarde TGG 8H (mg/m³)	1200 mg/m³
Netherlands	Grenswaarde TGG 15MIN (mg/m³)	1600 mg/m³
Norway	Grenseverdier (AN) (mg/m³)	800 mg/m³
Norway	Grenseverdier (AN) (ppm)	200 ppm
Norway	Grenseverdier (Korttidsverdi) (mg/m3)	1000 mg/m³ (value calculated)
Norway	Grenseverdier (Korttidsverdi) (ppm)	250 ppm (value calculated)
Poland	NDS (mg/m³)	1200 mg/m³
Poland	NDSCh (mg/m³)	2000 mg/m³
Portugal	OEL TWA (mg/m³)	2085 mg/m³ (indicative limit value)
Portugal	OEL TWA (ppm)	500 ppm (indicative limit value)
Portugal	OEL STEL (ppm)	500 ppm
Romania	OEL TWA (mg/m³)	2085 mg/m³
Romania	OEL TWA (ppm)	500 ppm
Slovakia	NPHV (priemerná) (mg/m³)	2085 mg/m³
Slovakia	NPHV (priemerná) (ppm)	500 ppm
Slovenia	OEL TWA (mg/m³)	2085 mg/m³ (applies to all isomers)
Slovenia	OEL TWA (ppm)	500 ppm (applies to all isomers)
Slovenia	OEL STEL (mg/m³)	2085 mg/m³ (applies to all isomers)
Slovenia	OEL STEL (ppm)	500 ppm (applies to all isomers)
Spain	VLA-ED (mg/m³)	2085 mg/m³ (indicative limit value)
Spain	VLA-ED (ppm)	500 ppm (indicative limit value)
Sweden	nivågränsvärde (NVG) (mg/m³)	800 mg/m³
Sweden	nivågränsvärde (NVG) (ppm)	200 ppm
Sweden	kortidsvärde (KTV) (mg/m³)	1200 mg/m³
Sweden	kortidsvärde (KTV) (ppm)	300 ppm
Switzerland	KZGW (mg/m³)	1600 mg/m³ (Heptane isomers)
Switzerland	KZGW (ppm)	400 ppm (Heptane isomers)
Switzerland	MAK (mg/m³)	1600 mg/m³
Switzerland	MAK (ppm)	400 ppm
United Kingdom	WEL TWA (mg/m³)	2085 mg/m³

United Kingdom	WEL TWA (ppm)	500 ppm
United Kingdom	WEL STEL (mg/m³)	6255 mg/m³ (calculated)
United Kingdom	WEL STEL (ppm)	1500 ppm (calculated)

8.2. Exposure Controls

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

Materials for Protective Clothing	Chemically resistant materials and fabrics. Wear fire/flame resistant/retardant clothing.
Hand Protection	Wear protective gloves.
Eye 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	Colourless
Odour	Solvent
Odour Threshold	No data available
pH	No data available
Evapouration Rate	No data available
Melting Point	No data available
Freezing Point	No data available
Boiling Point	98 °C (208,4 °F)
Flash Point	-4 °C (24,8 °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
Specific Gravity	< 1
Relative Density	< 1 (Water=1)
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

No additional information available

SECTION 10: Stability and Reactivity

10.1. Reactivity

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

10.2. Chemical Stability

Extremely flammable liquid and vapour. May form flammable or explosive vapour-air mixture.

10.3. Possibility Of Hazardous Reactions

Hazardous polymerization will not occur.

10.4. Conditions To Avoid

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

10.5. Incompatible Materials

Strong oxidisers. Combustible materials. Attacks some forms of plastics, rubber, and coatings.

10.6. Hazardous Decomposition Products

Not expected to decompose under ambient conditions. Thermal decomposition may produce: Alkanes.

SECTION 11: Toxicological Information

11.1. Information On Toxicological Effects

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

n-Heptane (142-82-5)	
LD50 Oral Rat	> 5000 mg/kg
LD50 Dermal Rabbit	3000 mg/kg
LC50 Inhalation Rat	103 g/m³ (Exposure time: 4 h)

Skin Corrosion/Irritation	Causes skin irritation.
Eye Damage/Irritation	Not classified (Based on available data, the classification criteria are not met)
Respiratory or Skin Sensitization	Not classified (Based on available data, the classification criteria are not met)
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 (Single Exposure)	May cause drowsiness or dizziness.
Specific Target Organ Toxicity (Repeated Exposure)	Not classified (Based on available data, the classification criteria are not met)
Aspiration Hazard	May be fatal if swallowed and enters airways.

SECTION 12: Ecological Information

12.1. Toxicity

Ecology - General: Very toxic to aquatic life with long lasting effects.

n-Heptane (142-82-5)	
LC50 Fish 1	375 mg/l (Exposure time: 96 h - Species: Cichlid fish)
EC50 Daphnia 1	0,1 mg/l

12.2. Persistence and Degradability

MED-6615 Part A	
Persistence and Degradability	May cause long-term adverse effects in the environment.

12.3. Bioaccumulative Potential

MED-6615 Part A	
Bioaccumulative potential	Not established.

n-Heptane (142-82-5)	
Log Pow	4,66

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 Recommendations: Dispose of contents/container in accordance with local, 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.

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

ADR	IMDG	IATA	ADN	RID
14.1. UN Number				
1206	1206	1206	1206	1206
14.2. UN Proper Shipping Name				
HEPTANES (Solution)	HEPTANES (Solution)	HEPTANES (Solution)	HEPTANES (Solution)	HEPTANES (Solution)
14.3. Transport Hazard Class(Es)				
3	3	3	3	3

ADR	IMDG	IATA	ADN	RID
				
14.4. Packing Group				
II	II	II	II	II
14.5. Environmental Hazards				
Dangerous for the environment : Yes	Dangerous for the environment : Yes Marine pollutant : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes	Dangerous for the environment : 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

15.2. Chemical Safety Assessment
No chemical safety assessment has been carried out

SECTION 16: Other Information

Indication of Changes

Section	Section Header	Change	Date Changed
1	Identification of the substance/mixture and of the company/undertaking	Modified	07/07/2020
2	Classification According to Regulation (EC) No. 1272/2008 [CLP]	Modified	07/07/2020
3	Composition/information on ingredients	Modified	07/07/2020
4	Most important symptoms and effects, both acute and delayed	Modified	07/07/2020
5	Suitable extinguishing media	Modified	07/07/2020
6	Methods for cleaning up	Modified	07/07/2020
7	Incompatible materials	Modified	07/07/2020
8	Control parameters	Modified	07/07/2020
9	Physical and chemical properties	Modified	07/07/2020
10	Stability and reactivity	Modified	07/07/2020
11	Toxicological information	Modified	07/07/2020
12.	Ecological information	Modified	07/07/2020
14	Transport information	Modified	07/07/2020

15	Regulatory information	Modified	07/07/2020

Date of Preparation or Latest Revision	07/07/2020
Data Sources	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.
Other Information	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
Asp. Tox. 1	Aspiration hazard, Category 1
Flam. Liq. 2	Flammable liquids, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

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 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 two-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
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
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
VME – Valeur Limite De Moyenne Exposition
vPvB - Very Persistent and Very Bioaccumulative
WEL – Workplace Exposure Limit
WGK - Wassergefährdungsklasse

Nusil EU GHS SDS

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MED-6615 Part B

Safety Data Sheet

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

Revision date: 07/07/2020 Date of issue: 24/03/2014 Version: 2.0

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

1.1. Product Identifier

Product form	Mixture
Product Name	MED-6615 Part B
Synonyms	Silicone Coating

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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+(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]

Flam. Liq. 2	H225
Skin Irrit. 2	H315
STOT SE 3	H336
Asp. Tox. 1	H304
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]

Hazard Pictograms (CLP)

GHS02 GHS07 GHS08 GHS09

Signal Word (CLP)	Danger
Hazardous Ingredients	n-Heptane
Hazard Statements (CLP)	H225 - Highly flammable liquid and vapour.

	H304 - May be fatal if swallowed and enters airways. H315 - Causes skin irritation. H336 - May cause drowsiness or dizziness. H410 - Very toxic to aquatic life with long lasting effects.
Precautionary Statements (CLP)	P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P233 - Keep container tightly closed. P240 - Ground and bond container and receiving equipment. P241 - Use explosion-proof electrical, ventilating, and lighting equipment. P242 - Use non-sparking tools. P243 - Take action to prevent static discharges. P261 - Avoid breathing mist, spray, vapours P264 - Wash hands, forearms and face thoroughly after handling P271 - Use only outdoors or in a well-ventilated area. P273 - Avoid release to the environment. P280 - Wear eye protection, face protection, protective clothing, protective gloves P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor 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. P312 - Call a POISON CENTRE or doctor if you feel unwell. P321 - Specific treatment (see Section 4 on this SDS) P331 - Do NOT induce vomiting. P332+P313 - If skin irritation occurs: Get medical advice/attention. P362+P364 - Take off contaminated clothing and wash it before reuse. P370+P378 - In case of fire: Use alcohol resistant foam to extinguish P391 - Collect spillage. P403+P235 - Store in a well-ventilated place. Keep cool. 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.

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]
n-Heptane	(CAS-No.) 142-82-5 (EC-No.) 205-563-8 (EC Index-No.) 601-008-00-2	60 - 80	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)
Siloxanes and Silicones, dimethyl, methyl hydrogen	(CAS-No.) 68037-59-2	< 10	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
Glycidoxypropyltrimethoxysilane	(CAS-No.) 2530-83-8 (EC-No.) 219-784-2	< 1	Eye Dam. 1, H318
3-Butyn-2-ol, 2-methyl-	(CAS-No.) 115-19-5 (EC-No.) 204-070-5	< 0.1	Flam. Liq. 2, H225 Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318

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.

First-Aid Measures After Skin Contact: Immediately remove contaminated clothing. Immediately drench affected area with water for at least 15 minutes. Obtain medical attention if irritation develops or persists.

First-Aid Measures After Eye Contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists.

First-Aid Measures After Ingestion: Do NOT induce vomiting. Rinse mouth. Immediately call a POISON CENTER or doctor/physician.

4.2. Most Important Symptoms and Effects Both Acute and Delayed

Symptoms/Effects: Causes skin irritation. May be fatal if swallowed and enters airways. May cause drowsiness and dizziness.

Symptoms/Effects After Inhalation: High concentrations may cause central nervous system depression such as dizziness, vomiting, numbness, drowsiness, headache, and similar narcotic symptoms.

Symptoms/Effects After Skin Contact: Redness, pain, swelling, itching, burning, dryness, and dermatitis.

Symptoms/Effects After Eye Contact: May cause slight irritation to eyes.

Symptoms/Effects After Ingestion: Aspiration into the lungs can occur during ingestion or vomiting and may cause lung injury.

Chronic Symptoms: Repeated or prolonged skin contact may cause dermatitis and defatting.

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	Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO_2). Water may be ineffective but water should be used to keep fire-exposed container cool.
Unsuitable Extinguishing Media	Do not use a heavy water stream. A heavy water stream may spread burning liquid.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard	Highly flammable liquid and vapour. Vapours are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapours.
Explosion Hazard	May form flammable or explosive vapour-air mixture.
Reactivity	Reacts violently with strong oxidisers. Increased risk of fire or explosion.
Hazardous Decomposition Products in Case of Fire	Carbon oxides (CO, CO_2). Silicon oxides.

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. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.
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.

SECTION 6: Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures	Avoid breathing (vapour, mist, 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.

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. Absorb and/or contain spill with inert material. Do not take up in combustible material such as: saw dust or cellulosic material. Transfer spilled material to a suitable container for disposal. Use only non-sparking tools. 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 Processed	Any proposed use of this product in elevated-temperature processes should be thoroughly evaluated to assure that safe operating conditions are established and maintained. Handle empty containers with care because residual vapours are flammable.
Precautions for Safe Handling	Avoid prolonged contact with eyes, skin and clothing. Avoid breathing vapours, mist, spray. Take precautionary measures against static discharge. Use only non-sparking tools. 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.
Incompatible Materials	Strong oxidisers. Combustible materials. Attacks some forms of plastics, rubber, and coatings.

7.3. Specific End Use(S)

For professional use only.

SECTION 8: Exposure Controls/Personal Protection

8.1. Control Parameters

n-Heptane (142-82-5)		
EU	IOELV TWA (mg/m³)	2085 mg/m³
EU	IOELV TWA (ppm)	500 ppm

Austria	MAK (mg/m³)	2000 mg/m³ (Heptane isomers)
Austria	MAK (ppm)	500 ppm (Heptane isomers)
Austria	MAK Short time value (mg/m³)	8000 mg/m³ (Heptane (all isomers))
Austria	MAK Short time value (ppm)	2000 ppm (Heptane (all isomers))
Belgium	Limit value (mg/m³)	1664 mg/m³
Belgium	Limit value (ppm)	400 ppm
Belgium	Short time value (mg/m³)	2085 mg/m³
Belgium	Short time value (ppm)	500 ppm
Bulgaria	OEL TWA (mg/m³)	1600 mg/m³
Croatia	GVI (granična vrijednost izloženosti) (mg/m³)	2085 mg/m³
Croatia	GVI (granična vrijednost izloženosti) (ppm)	500 ppm
Croatia	OEL chemical category (HR)	Skin notation
Cyprus	OEL TWA (mg/m³)	2085 mg/m³
Cyprus	OEL TWA (ppm)	500 ppm
Czech Republic	Expoziční limity (PEL) (mg/m³)	1000 mg/m³
Denmark	Grænseværdie (langvarig) (mg/m³)	820 mg/m³
Denmark	Grænseværdie (langvarig) (ppm)	200 ppm
Estonia	OEL TWA (mg/m³)	2085 mg/m³
Estonia	OEL TWA (ppm)	500 ppm
Finland	HTP-arvo (8h) (mg/m³)	1200 mg/m³ (Heptane)
Finland	HTP-arvo (8h) (ppm)	300 ppm (Heptane)
Finland	HTP-arvo (15 min)	2100 mg/m³
Finland	HTP-arvo (15 min) (ppm)	500 ppm
France	VLE (mg/m³)	2085 mg/m³ (restrictive limit)
France	VLE (ppm)	500 ppm (restrictive limit)
France	VME (mg/m³)	1668 mg/m³ (restrictive limit)
France	VME (ppm)	400 ppm (restrictive limit)
Germany	Occupational exposure limit value (mg/m³)	2100 mg/m³ (all isomers)
Germany	Occupational exposure limit value (ppm)	500 ppm (all isomers)
Gibraltar	Eight hours mg/m3	2085 mg/m³
Gibraltar	Eight hours ppm	500 ppm
Greece	OEL TWA (mg/m³)	2000 mg/m³
Greece	OEL TWA (ppm)	500 ppm
Greece	OEL STEL (mg/m³)	2000 mg/m³
Greece	OEL STEL (ppm)	500 ppm
Hungary	AK-érték	2000 mg/m³
Ireland	OEL (8 hours ref) (mg/m³)	2085 mg/m³
Ireland	OEL (8 hours ref) (ppm)	500 ppm

Ireland	OEL (15 min ref) (mg/m3)	6255 mg/m³ (calculated)
Ireland	OEL (15 min ref) (ppm)	1500 ppm (calculated)
Italy	OEL TWA (mg/m³)	2085 mg/m³
Italy	OEL TWA (ppm)	500 ppm
Latvia	OEL TWA (mg/m³)	350 mg/m³
Latvia	OEL TWA (ppm)	85 ppm
Lithuania	IPRV (mg/m³)	2085 mg/m³
Lithuania	IPRV (ppm)	500 ppm
Lithuania	TPRV (mg/m³)	3128 mg/m³
Lithuania	TPRV (ppm)	750 ppm
Luxembourg	OEL TWA (mg/m³)	2085 mg/m³
Luxembourg	OEL TWA (ppm)	500 ppm
Malta	OEL TWA (mg/m³)	2085 mg/m³
Malta	OEL TWA (ppm)	500 ppm
Netherlands	Grenswaarde TGG 8H (mg/m³)	1200 mg/m³
Netherlands	Grenswaarde TGG 15MIN (mg/m³)	1600 mg/m³
Norway	Grenseverdier (AN) (mg/m³)	800 mg/m³
Norway	Grenseverdier (AN) (ppm)	200 ppm
Norway	Grenseverdier (Korttidsverdi) (mg/m3)	1000 mg/m³ (value calculated)
Norway	Grenseverdier (Korttidsverdi) (ppm)	250 ppm (value calculated)
Poland	NDS (mg/m³)	1200 mg/m³
Poland	NDSCh (mg/m³)	2000 mg/m³
Portugal	OEL TWA (mg/m³)	2085 mg/m³ (indicative limit value)
Portugal	OEL TWA (ppm)	500 ppm (indicative limit value)
Portugal	OEL STEL (ppm)	500 ppm
Romania	OEL TWA (mg/m³)	2085 mg/m³
Romania	OEL TWA (ppm)	500 ppm
Slovakia	NPHV (priemerná) (mg/m³)	2085 mg/m³
Slovakia	NPHV (priemerná) (ppm)	500 ppm
Slovenia	OEL TWA (mg/m³)	2085 mg/m³ (applies to all isomers)
Slovenia	OEL TWA (ppm)	500 ppm (applies to all isomers)
Slovenia	OEL STEL (mg/m³)	2085 mg/m³ (applies to all isomers)
Slovenia	OEL STEL (ppm)	500 ppm (applies to all isomers)
Spain	VLA-ED (mg/m³)	2085 mg/m³ (indicative limit value)
Spain	VLA-ED (ppm)	500 ppm (indicative limit value)
Sweden	nivågränsvärde (NVG) (mg/m³)	800 mg/m³
Sweden	nivågränsvärde (NVG) (ppm)	200 ppm
Sweden	kortidsvärde (KTV) (mg/m³)	1200 mg/m³
Sweden	kortidsvärde (KTV) (ppm)	300 ppm
Switzerland	KZGW (mg/m³)	1600 mg/m³ (Heptane isomers)

Switzerland	KZGW (ppm)	400 ppm (Heptane isomers)
Switzerland	MAK (mg/m³)	1600 mg/m³
Switzerland	MAK (ppm)	400 ppm
United Kingdom	WEL TWA (mg/m³)	2085 mg/m³
United Kingdom	WEL TWA (ppm)	500 ppm
United Kingdom	WEL STEL (mg/m³)	6255 mg/m³ (calculated)
United Kingdom	WEL STEL (ppm)	1500 ppm (calculated)

3-Butyn-2-ol, 2-methyl- (115-19-5)		
Austria	MAK (mg/m³)	3 mg/m³
Austria	MAK (ppm)	0,9 ppm
Austria	MAK Short time value (mg/m³)	6 mg/m³
Austria	MAK Short time value (ppm)	1,8 ppm
Germany	Occupational exposure limit value (mg/m³)	3 mg/m³
Germany	Occupational exposure limit value (ppm)	0,9 ppm

8.2. Exposure Controls

Appropriate Engineering Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed. Gas detectors should be used when flammable gases or vapours may be released. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof equipment.

Personal Protective Equipment: Gloves. Protective clothing. Protective goggles. Insufficient ventilation: wear respiratory protection.

Materials for Protective Clothing: Chemically resistant materials and fabrics. Wear fire/flame resistant/retardant clothing.

Hand Protection: Wear protective gloves.

Eye 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	Colourless
Odour	Solvent

Odour Threshold	No data available
pH	No data available
Evapouration Rate	No data available
Melting Point	No data available
Freezing Point	No data available
Boiling Point	98 °C (208,4 °F)
Flash Point	-4 °C (25 °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)
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

No additional information available

SECTION 10: Stability and Reactivity

10.1. Reactivity

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

10.2. Chemical Stability

Extremely flammable liquid and vapour. May form flammable or explosive vapour-air mixture.

10.3. Possibility Of Hazardous Reactions

Hazardous polymerization will not occur.

10.4. Conditions To Avoid

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

10.5. Incompatible Materials

Strong oxidisers. Combustible materials. Attacks some forms of plastics, rubber, and coatings.

10.6. Hazardous Decomposition Products

Not expected to decompose under ambient conditions. Thermal decomposition may produce: Alkanes.

SECTION 11: Toxicological Information

11.1. Information On Toxicological Effects

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

n-Heptane (142-82-5)	
LD50 Oral Rat	> 5000 mg/kg
LD50 Dermal Rabbit	3000 mg/kg
LC50 Inhalation Rat	103 g/m³ (Exposure time: 4 h)

3-Butyn-2-ol, 2-methyl- (115-19-5)	
LD50 Oral Rat	1950 mg/kg

3-Butyn-2-ol, 2-methyl- (115-19-5)	
LD50 Dermal Rat	> 2000 mg/kg
LC50 Inhalation Rat	> 21300 mg/m³ (Exposure time: 4 h)

Glycidoxypropyltrimethoxysilane (2530-83-8)	
LD50 Oral Rat	8025 mg/kg
LD50 Dermal Rabbit	4250 mg/kg
LC50 Inhalation Rat	> 5,3 mg/l/4h

Skin Corrosion/Irritation	Causes skin irritation.
Eye Damage/Irritation	Not classified (Based on available data, the classification criteria are not met)
Respiratory or Skin Sensitization	Not classified (Based on available data, the classification criteria are not met)
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 (Single Exposure)	May cause drowsiness or dizziness.
Specific Target Organ Toxicity (Repeated Exposure)	Not classified (Based on available data, the classification criteria are not met)
Aspiration Hazard	May be fatal if swallowed and enters airways.

SECTION 12: Ecological Information

12.1. Toxicity

Ecology - General: Very toxic to aquatic life with long lasting effects.

n-Heptane (142-82-5)	
LC50 Fish 1	375 mg/l (Exposure time: 96 h - Species: Cichlid fish)
EC50 Daphnia 1	0,1 mg/l

3-Butyn-2-ol, 2-methyl- (115-19-5)	
LC50 Fish 1	3120 (3120 - 3480) mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 Daphnia 1	500 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 Other Aquatic Organisms 1	500 mg/l (Exposure time: 72 h - Species: Desmodesmus subspicatus)
LC50 Fish 2	2200 (2200 - 4600) mg/l (Exposure time: 96 h - Species: Leuciscus idus [static])
EC50 Other Aquatic Organisms 2	500 mg/l (Exposure time: 96 h - Species: Desmodesmus subspicatus)

Glycidoxypropyltrimethoxysilane (2530-83-8)	
LC50 Fish 1	55 mg/l (Exposure time: 96 h - Species: Cyprinus carpio)
EC50 Daphnia 1	710 mg/l (Exposure time: 48 h - Species: Daphnia magna)
ErC50 (Algae)	350 mg/l Exposure time: 96 h - Species: Pseudokirchnerella subcapitata)

12.2. Persistence and Degradability

MED-6615 Part B

MED-6615 Part B	
Persistence and Degradability	May cause long-term adverse effects in the environment.

12.3. Bioaccumulative Potential

MED-6615 Part B	
Bioaccumulative potential	Not established.

n-Heptane (142-82-5)	
Log Pow	4,66

3-Butyn-2-ol, 2-methyl- (115-19-5)	
Log Pow	0,318 (at 25 °C)

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 Recommendations: Dispose of contents/container in accordance with local, 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.

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

ADR	IMDG	IATA	ADN	RID
14.1. UN Number				
1206	1206	1206	1206	1206
14.2. UN Proper Shipping Name				
HEPTANES (Solution)	HEPTANES (Solution)	HEPTANES (Solution)	HEPTANES (Solution)	HEPTANES (Solution)
14.3. Transport Hazard Class(Es)				
3	3	3	3	3
				
14.4. Packing Group				
II	II	II	II	II
14.5. Environmental Hazards				
Dangerous for the environment : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes

ADR	IMDG	IATA	ADN	RID
	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

SECTION 16: Other Information

Indication of Changes

Section	Section Header	Change	Date Changed
1	1. Identification of the substance/mixture and of the company/undertaking	Modified	07/07/2020
2	Classification According to Regulation (EC) No. 1272/2008 [CLP]	Modified	07/07/2020
3	Composition/information on ingredients	Modified	07/07/2020
4	Most important symptoms and effects, both acute and delayed	Modified	07/07/2020
5	Suitable extinguishing media	Modified	07/07/2020
6	Methods for cleaning up	Modified	07/07/2020
7	Incompatible materials	Modified	07/07/2020
8	Control parameters	Modified	07/07/2020
9	Physical and chemical properties	Modified	07/07/2020
10	Stability and reactivity	Modified	07/07/2020
11	Toxicological information	Modified	07/07/2020
12.	Ecological information	Modified	07/07/2020
14	Transport information	Modified	07/07/2020
15	Regulatory information	Modified	07/07/2020

Date of Preparation or Latest Revision 07/07/2020

Data Sources 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.

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

Full Text of H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Flam. Liq. 2	Flammable liquids, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H336	May cause drowsiness or dizziness.
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
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 two-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
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
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
VME – Valeur Limite De Moyenne Exposition
vPvB - Very Persistent and Very Bioaccumulative
WEL – Workplace Exposure Limit
WGK - Wassergefährdungsklasse

Nusil EU GHS SDS

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