





SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	2129	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	SET QUICK PART A	EMERGENCY TELEPHONE:	1-800-241-8180
PRODUCT DESCRIPTION:	Epoxy Gel	INFOTRAC:	1-800-535-5053
COMPANY INFORMATION:	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification

GHS CLASSIFICATION: Eye Irritant: Category 2A H319 Causes serious eye irritation. Skin Sens: Cat 1 H317 May cause an allergic skin reaction. Carc: Cat 2 H351 Suspected of causing cancer.	SIGNAL WORD: WARNING	SYMBOL:		
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HAZARD DETERMINING COMPONENTS OF LABELING:
Talc (Mg₃H₂(SiO₃)₄)
hexamethylene diacrylate
2,2-bis(acryloyloxymethyl)butyl acrylate

HAZARD STATEMENTS:
Causes serious eye irritation.
May cause an allergic skin reaction.
Suspected of causing cancer.

PRECAUTIONARY STATEMENTS:
Prevention:
Avoid breathing dust/fume/gas/mist/vapors/spray
Wear protective gloves.
Response:
IF IN EYES: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Specific treatment (see on this label).
Storage: Store locked up.
Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

HAZARDS NOT OTHERWISE SPECIFIED:
Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

3. Composition / Information on Ingredients

CHEMICAL NAME	CAS	Concentration % by Weight
Diglycidyl ether of bisphenol A homopolymer	25085-99-8	75-100
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	≤5
Calcium carbonate	471-34-1	≤5
Hydrophobic silica	67762-90-7	≤5
Titanium dioxide	13463-67-7	≤2.5
Hexamethylene diacrylate	13048-33-4	≤2.5
2,2-bis(acryloyloxymethyl)butyl acrylate	15625-89-5	≤2.5
2,3-epoxypropyl o-tolyl ether	2210-79-9	≤1

Additional information: For the wording of the listed hazard phrases refer to Section 16.

4. First Aid Measures

EMERGENCY OVERVIEW

GENERAL: Immediately remove any clothing soiled by the product. In the event of persistent symptoms receive medical treatment. Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

EYES: Rinse opened eye for several minutes under running water. Then consult a doctor.

SKIN: Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.

INHALATION:
Supply fresh air and to be sure call for a doctor. In case of unconsciousness, place patient stably in side position for transportation. Immediately move exposed person to fresh air. If breathing difficulty persists or develops get prompt medical attention.

INGESTION:
Seek medical treatment.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:
No further relevant information available.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:
No further relevant information available.

5. Fire-Fighting Measures

SUITABLE FIRE EXTINGUISHING MEDIA:

CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

No further relevant information available.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

Because fire may produce thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face piece operated in pressure-demand or positive-pressure mode.

6. Accidental Release Measures

PERSONAL PRECAUTIONS:

Wear protective equipment. Keep unprotected persons away.

ENVIRONMENTAL PRECAUTIONS:

Do not allow product to reach sewage system or any watercourse. Inform respective authorities in case of seepage into watercourse or sewage system.

METHODS & MATERIALS FOR CONTAINMENT & CLEANUP:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to Section 13.

REFERENCE TO OTHER SECTIONS:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7. Handling and Storage

SAFE HANDLING:

Wear appropriate personal protective clothing to prevent eye and skin contact. Avoid breathing vapors or mists of this product. Use with adequate ventilation. Do not take internally.

PROTECTION AGAINST EXPLOSIONS AND FIRES:

No special measures required.

SAFE STORAGE:

Storage: Cool and dry.

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

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Keep receptacle tightly sealed.

Specific end uses(s): No further relevant information available.

8. Exposure Controls / Personal Protection

ADDITIONAL INFORMATION ABOUT DESIGN OF TECHNICAL SYSTEMS:

No further data; see Section 7.

CONTROL PARAMETERS:

Components with limit values that require monitoring at the workplace: The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

471-34-1 calcium carbonate:

PEL: Long-term value: 15* 5** mg/m³ *total dust **respirable fraction

REL: Long-term value: 10* 5** mg/m³ *total dust **respirable fraction

TLV: TLV withdrawn.

13048-33-4 hexamethylene diacrylate:

WEEL: Long-term value: 1 mg/m³ DSEN

15625-89-5 2,2-bis(acryloyloxymethyl)butyl acrylate:

WEEL: Long-term value: 1 mg/m³ Skin

ADDITIONAL INFORMATION:

The lists that were valid during the creation were used as basis.

PERSONAL PROTECTIVE EQUIPMENT:



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

Breathing equipment: Not required.

Protection of hands: The glove material has to be impermeable and resistant to the product/the substance/the preparation.

Eye protection: Wear appropriate eye protection to prevent eye contact.

9. Physical & Chemical Properties

Appearance:		Flammability(solid/gas):	Not applicable.
Form:	Liquid.	Flash Point:	>93°C (>199°F)
Color:	White.	Danger of Explosion:	Product does not present an explosion hazard.
Odor:	Mild.	Explosive Limit – lower (%):	Not determined.
Odor Threshold:	Not determined.	Explosive Limit – upper (%):	Not determined.
pH:	Not determined.	Vapor Pressure:	Not determined.
Melting Point/Range:	Undetermined.	Density @ 20°C(68°F):	1.2 g/cm ³ (10.014 lbs/gal)
Boiling Point/Range:	Undetermined.	Relative Density:	Not determined.
Partition Coeff (n-octanol/water):	Not determined.	Solubility/Miscibility(water):	Not miscible or difficult to mix.
Viscosity(kinematic/dynamic):	Not determined.	Auto-Ignition Temperature:	Product is not self-igniting.

Vapor Density:	Not determined.	Decomposition Temp:	Not determined.
Organic Solvent Content:	1.8%	Evaporation Rate:	Not determined.
VOC Content:	Not determined.	Solids Content:	100.0%
		Other Information:	No further relevant information available.

10. Stability & Reactivity Information

REACTIVITY:

No decomposition if stored and applied as directed.

CHEMICAL STABILITY:

No decomposition if stored and applied as directed.

POSSIBILITY OF HAZARDOUS REACTIONS:

No dangerous reactions known.

INCOMPATIBLE MATERIALS:

No further relevant information available.

CONDITIONS TO AVOID:

Keep away from heat and sources of ignition.

THERMAL DECOMPOSITION/CONDITIONS TO AVOID:

No decomposition if used according to specifications.

HAZARDOUS DECOMPOSITION PRODUCTS:

No dangerous decomposition products known.

11. Toxicological Information

ACUTE TOXICITY:

COMPONENTS	SPECIES	TEST RESULTS
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LD/LC50 values that are relevant for classification:

25085-99-8 Diglycidyl ether of bisphenol A homopolymer

Acute

Dermal

LD50

Rabbit

20000 mg/kg

Oral

LD50

Rat

5000 mg/kg

PRIMARY IRRITANT EFFECT:

Skin: May cause skin irritation.

Eye: Strong irritant with the danger of severe eye injury. Irritating effect.

Sensitization: Sensitization possible through skin contact.

Additional toxicological information: The product shows the following dangers according to internally approved calculation methods for preparations: Harmful, Irritant.

CARCINOGENIC CATEGORIES:

IARC (International Agency for Research on Cancer): (14807-96-6) Talc (Mg₃H₂(SiO₃)₄) 2B
13463-67-7 titanium dioxide 2B

NTP (National Toxicology Program): None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration): None of the ingredients is listed.

12. Ecological Information

TOXICITY

Aquatic toxicity: No further relevant information available.

PERSISTENCE AND DEGRADABILITY:

No further relevant information available.

BIOACCUMULATIVE POTENTIAL:

No further relevant information available.

MOBILITY IN SOIL:

No further relevant information available.

GENERAL NOTES:

Water hazard class 1 (Self-assessment): slightly hazardous for water.

OTHER ADVERSE EFFECTS:

No further relevant information available.

13. Disposal Consideration

WASTE TREATMENT METHOD:

It is the generator's responsibility to determine if the waste meets applicable definitions of hazardous waste. State and local regulations may differ from federal disposal regulations. Dispose of waste material according to local, state, federal, and provincial environmental regulations.

UNCLEANED PACKAGINGS:

Disposal must be made according to federal, state, and local regulations.

14. Transportation Information

DOT, ADR, AND, IATA


UN-NUMBER: Not regulated.

PROPER SHIPPING NAME: Not regulated.

TRANSPORT HAZARD CLASS(es): Not regulated.

PACKING GROUP: III

IMDG: UN-NUMBER: UN3082
PROPER SHIPPING NAME: Environmentally hazardous substance, liquid, n.o.s. (epoxy resin), marine pollutant.
PACKING GROUP: III
CLASS: 9 Miscellaneous dangerous substances and articles
LABEL: 9
ENVIRONMENTAL HAZARDS:
Marine pollutant: Symbol (fish and tree).



SPECIAL PRECAUTIONS FOR THE USER:
EMS Number: F-A, S-F
Stowage category: A

TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 & THE IBC CODE:
 Not applicable.

TRANSPORT/ADDITIONAL INFORMATION:
ADR: U.S. Domestic Ground Shipments: Same as listed for Standard Shipments above.
 U.S. Domestic Ground Non-Bulk (119 gal or less per container) Shipments: Same as listed for Standard Shipments above.
 Emergency Response Guide (ERG) Number: Not determined.

IMDG: Limited quantities (LQ) 5L
 Excepted quantities (EQ) Code: E1. Maximum net quantity per inner packaging: 30 ml. Maximum net quantity per outer packaging: 1000 ml

UN "MODEL REGULATION:"
 Not regulated.

15. Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture/Sara:
Section 355 (extremely hazardous substances): None of the ingredient is listed.
Section 313 (Specific toxic chemical listings): This product may contain 1 or more toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR part 372. If so, the chemicals are listed below. None of the ingredients is listed.
TSCA (Toxic Substances Control Act): All ingredients are listed.

PROPOSITION 65:
Chemicals known to the State of California (Prop. 65) to cause cancer: 13463-67-7 titanium dioxide
Chemicals known to cause reproductive toxicity for females: None of the ingredients is listed.
Chemicals known to cause reproductive toxicity for males: None of the ingredients is listed.
Chemicals known to cause developmental toxicity: None of the ingredients is listed.

CARCEROGENITY CATEGORIES:
EPA (Environmental Protection Agency): None of the ingredients is listed.
TLV (Threshold Limit Value established by ACGIH):

14807-96-6 Talc (Mg ₃ H ₂ (SiO ₃) ₄)	A4
13463-67-7 titanium dioxide	A4
MAK (German Maximum Workplace Concentration):	
14807-96-6 Talc (Mg ₃ H ₂ (SiO ₃) ₄)	3B
13463-67-7 titanium dioxide	3A

NIOSH-Ca (National Institute for Occupational Safety and Health): 13463-67-7 titanium dioxide

CHEMICAL SAFETY ASSESSMENT:
 A Chemical Safety Assessment has not been carried out.

16. Other Information

Abbreviations and acronyms:
 ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 IMDG: International Maritime Code for Dangerous Goods
 DOT: US Department of Transportation
 IATA: International Air Transport Association
 ACGIH: American Conference of Governmental Industrial Hygienists
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 NFPA: National Fire Protection Association (USA)
 HMIS: Hazardous Materials Identification System (USA)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: very Persistent and very Bioaccumulative
 NIOSH: National Institute for Occupational Safety
 OSHA: Occupational Safety & Health
 TLV: Threshold Limit Value
 PEL: Permissible Exposure Limit
 REL: Recommended Exposure Limit
 Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A
 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1
 Carc. 2: Carcinogenicity, Hazard Category 2

DISCLAIMER:

To the best of our knowledge, information contained herein is accurate. However, there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard, which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product, which may not be covered by this SDS. The user is responsible for full compliance.






SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	2129	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	SET QUICK PART B	EMERGENCY TELEPHONE:	1-800-241-8180
PRODUCT DESCRIPTION:	Epoxy Gel Anchor	INFOTRAC:	1-800-535-5053
COMPANY INFORMATION:	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification

GHS CLASSIFICATION: Acute Tox. 4 H332 Harmful if inhaled. Skin Corr. 1C H314 Causes severe skin burns and eye damage. Eye Dam. 1 H318 Causes serious eye damage. Skin Sens. 1 H317 May cause an allergic skin reaction. Repr. 1 H360 May damage fertility or the unborn child. Aquatic Chronic 4 H413 May cause long lasting harmful effects to aquatic life.	SIGNAL WORD: DANGER	SYMBOL:			
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HAZARD DETERMINING COMPONENTS OF LABELING:

4-nonylphenol, branched
2-piperazin-1-ylethylamine
2-(2-aminoethylamino)ethanol

HAZARD STATEMENTS:

Harmful if inhaled.
Causes severe skin burns and eye damage.
May cause an allergic skin reaction.
May damage fertility or the unborn child.
May cause long lasting harmful effects to aquatic life.

PRECAUTIONARY STATEMENTS:

Prevention: Do not breathe dusts or mists.
Response: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER/doctor.
Storage: Store locked up.
Disposal: Dispose of contents/container in accordance with local/regional/national/international regulations.

HAZARDS NOT OTHERWISE SPECIFIED:

Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

3. Composition / Information on Ingredients

CHEMICAL NAME	CAS	Concentration % by Weight
calcium carbonate	471-34-1	50-75
4-nonylphenol, branched	84852-15-3	10-25
2-piperazin-1-ylethylamine	140-31-8	10-25
Magnesite	546-93-0	≤2.5
Quartz (SiO ₂)	14808-60-7	≤1
Distillates (petroleum), hydrotreated light paraffinic	64742-55-8	≤1
2-(2-aminoethylamino)ethanol	111-41-1	≤1
Carbon black	1333-86-4	≤1

Additional information: For the wording of the listed risk phrases refer to Section 16.

4. First Aid Measures

EMERGENCY OVERVIEW

GENERAL: Immediately remove any clothing soiled by the product. In the event of persistent symptoms receive medical treatment. Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

INHALATION:

Supply fresh air and to be sure call for a doctor. In case of unconsciousness, place patient stably in side position for transportation. Immediately move exposed person to fresh air. If breathing difficulty persists or develops, get prompt medical attention.

SKIN: Immediately wash with water and soap and rinse thoroughly. Immediately rinse with water. If skin irritation continues, consult a doctor.

EYE: Rinse opened eye for several minutes under running water. Then consult a doctor.

INGESTION:

Drink copious amounts of water and provide fresh air. Immediately call a doctor. Seek medical treatment.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED:

No further relevant information available.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

No further relevant information available.

5. Fire-Fighting Measures

SUITABLE FIRE EXTINGUISHING MEDIA:
CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:
No further relevant information available.
SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:
Because fire may produce thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face piece operated in pressure-demand or positive-pressure mode. Mouth respiratory protective device.

6. Accidental Release Measures

PERSONAL PRECAUTIONS:
Wear protective equipment. Keep unprotected persons away.
ENVIRONMENTAL PRECAUTIONS:
Do not allow product to reach sewage system or any watercourse. Inform respective authorities in case of seepage into watercourse or sewage system.
METHODS & MATERIALS FOR CONTAINMENT & CLEANUP:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Use neutralizing agent. Dispose contaminated material as waste according to Section 13. Ensure adequate ventilation.
REFERENCE TO OTHER SECTIONS:
See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

7. Handling and Storage

SAFE HANDLING:
Wear appropriate personal protective clothing to prevent eye and skin contact. Avoid breathing vapors or mists of this product. Use with adequate ventilation. Do not take internally.
PROTECTION AGAINST EXPLOSIONS AND FIRES:
No special measures required.
SAFE STORAGE:
Requirements to be met by storerooms and receptacles: No special requirements.
Information about storage in one common storage facility: Not required.
Further information about storage conditions: Keep receptacle tightly sealed.
Specific end use(s): No further relevant information available.

8. Exposure Controls / Personal Protection

ADDITIONAL INFORMATION ABOUT DESIGN OF TECHNICAL SYSTEMS:
No further data; see Section 7.
CONTROL PARAMETERS:
Components with limit values that require monitoring at the workplace: The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

471-34-1 calcium carbonate

PEL	Long-term value: 15* 5** mg/m³ *total dust **respirable fraction
REL	Long-term value: 10* 5** mg/m³ *total dust **respirable fraction
TLV	TLV withdrawn

546-93-0 Magnesite

PEL	Long-term value: 15* 5** mg/m³ *total dust **respirable fraction
REL	Long-term value: 10* 5** mg/m³ *total dust **respirable fraction
TLV	TLV withdrawn

ADDITIONAL INFORMATION:
The lists that were valid during the creation were used as basis.

PERSONAL PROTECTIVE EQUIPMENT:



General protective and hygienic measures: Keep away from foodstuffs, beverages, and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.
Breathing equipment: In case of brief exposure or low pollution, use respiratory filter device. In case of intensive or longer exposure, use respiratory protective device that is independent of circulating air.
Protection of hands: The glove material has to be impermeable and resistant to the product/the substance/the preparation.
Eye protection: Wear appropriate eye protection to prevent eye contact.

9. Physical & Chemical Properties

Appearance:		Flammability:	Not applicable.
Form:	Liquid.	Flash Point:	> 94°C (> 201°F)
Color:	Dark gray.	Danger of Explosion:	Product does not present an explosion hazard.
Odor:	Distinctive.	Explosive Limit – lower (%):	2.1 Vol %
Odor Threshold:	Not determined.	Explosive Limit – upper (%):	10.5 Vol %
pH:	Not determined.	Vapor Pressure @ 20°C (68°F):	0.1 hPa

Melting Point/Range:	Undetermined.	Density @ 20°C:	1.8 g/cm ³ (15.021 lbs/gal)
Boiling Point/Range:	Undetermined.	Relative Density:	Not determined.
Partition Coeff (n-octanol/water):	Not determined.	Solubility/Miscibility(water):	Not miscible or difficult to mix.
Viscosity(kinematic/dynamic):	Not determined.	Auto-Ignition Temperature:	Product is not self-igniting.
Vapor Density:	Not determined.	Decomposition Temp:	Not determined.
Organic Solvent Content:	0.0%	Evaporation Rate:	Not determined.
VOC Content:	Not determined.	Solids Content:	100.0%
Ignition Temperature:	315 °C (698 °F)	Other Information:	No further relevant information available.

10. Stability & Reactivity Information

REACTIVITY:

No decomposition if stored and applied as directed.

CHEMICAL STABILITY:

No decomposition if stored and applied as directed.

THERMAL DECOMPOSITION/CONDITIONS TO AVOID:

No decomposition if used according to specifications.

POSSIBILITY OF HAZARDOUS REACTIONS:

No dangerous reactions known.

INCOMPATIBLE MATERIALS:

No further relevant information available.

CONDITIONS TO AVOID:

Keep away from heat and sources of ignition.

HAZARDOUS DECOMPOSITION PRODUCTS:

No dangerous decomposition products known.

11. Toxicological Information

ACUTE TOXICITY:

COMPONENTS	SPECIES	TEST RESULTS
LD/LC50 values that are relevant for classification:		
140-31-8 2-piperazin-1-ylethylamine		
Acute		
<i>Dermal</i>		
LD50	Rabbit	880 mg/kg
<i>Oral</i>		
LD50	Rat	2140 mg/kg

PRIMARY IRRITANT EFFECT:

Skin: May cause skin irritation.

Eye: Strong caustic effect.

Sensitization: Sensitization possible through skin contact.

Additional toxicological information: The product shows the following dangers according to internally approved calculation methods for preparations: Harmful, Corrosive, Irritant.

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

CARCINOGENIC CATEGORIES:

IARC (International Agency for Research on Cancer): 14808-60-7: Quartz (SiO₂) 1
1333-86-4: Carbon black 2B

NTP (National Toxicology Program): 14808-60-7: Quartz (SiO₂) K

OSHA-Ca (Occupational Safety & Health Administration): None of the ingredients is listed.

12. Ecological Information

TOXICITY

Aquatic toxicity: No further relevant information available.

PERSISTENCE AND DEGRADABILITY:

No further relevant information available.

BIOACCUMULATIVE POTENTIAL:

No further relevant information available.

MOBILITY IN SOIL:

No further relevant information available.

ADDITIONAL ECOLOGICAL INFORMATION:

General notes: Water hazard class 1 (Self-assessment): slightly hazardous for water.
Must not reach bodies of water or drainage ditch undiluted or un-neutralized.

OTHER ADVERSE EFFECTS:

No further relevant information available.

13. Disposal Consideration

WASTE TREATMENT METHOD:

It is the generator's responsibility to determine if the waste meets applicable definitions of hazardous waste. State and local regulations may differ from federal disposal regulations. Dispose of waste material according to local, state, federal, and provincial environmental regulations.

UNCLEANED PACKAGINGS:

Disposal must be made according to federal, state, and local regulations.

14. Transportation Information

UN-NUMBER:

IMDG, IATA, ADR, DOT UN1760

UN PROPER SHIPPING NAME:

DOT, IATA: Corrosive liquids, n.o.s. (nonylphenol, N-Aminoethylpiperazine)

ADR: 1760 Corrosive liquids, n.o.s. (nonylphenol, N-Aminoethylpiperazine)

IMDG: CORROSIVE LIQUID, N.O.S., (nonylphenol, N-aminoethylpiperazine), marine pollutant.

TRANSPORT HAZARD CLASS(es):

DOT



Class: 8 Corrosive substances

LABEL: 8

ADR, IMDG:



Class: 8 Corrosive substances

LABEL: 8

IATA:



Class: 8 Corrosive substances

LABEL: 8

PACKING GROUP:

DOT, ADR, IMDG, IATA III

ENVIRONMENTAL HAZARDS:

Product contains environmentally hazardous substances: 4-nonylphenol, branched

Marine pollutant: Symbol (fish and tree).

Special marking (ADR): Symbol (fish and tree).

Special precautions for user: Warning: Corrosive substances

Danger code (Kemler): 80

EMS Number: F-A,S-B

Stowage Category: B

Stowage Code: SW2 Clear of living quarters.

TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 & THE IBC CODE:

Not applicable.

TRANSPORT/ADDITIONAL INFORMATION:

ADR: Excepted quantities (EQ):

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

U.S. Domestic Ground Shipments: Same as listed for Standard Shipments above.

U.S. Domestic Ground Non-Bulk (119 gal or less per container) Shipments: Same as listed for Standard Shipments above.

Emergency Response Guide (ERG) Number: Not determined.

IMDG: Limited quantities (LQ): 5L

Excepted quantities: (EQ) Code: E1.

Maximum net quantity per inner packaging: 30 ml.

Maximum net quantity per outer packaging: 1000 ml

UN "MODEL REGULATION:"

UN1760 Corrosive liquids, n.o.s, 8, III

15. Regulatory Information

SAFETY, HEALTH & ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OF MIXTURE/SARA:

Section 355 (extremely hazardous substances): None of the ingredients is listed.

Section 313 (Specific toxic chemical listings): This product may contain 1 or more toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR part 372. If so, the chemicals are listed below:

84852-15-3: 4-nonylphenol, branched 10-25%

TSCA (Toxic Substances Control Act): All ingredients are listed.

PROPOSITION 65:

Chemicals known to the State of California (Prop. 65) to cause cancer: 14808-60-7: Quartz (SiO₂) & 1333-86-4: Carbon black

Chemicals known to cause reproductive toxicity for females: None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males: None of the ingredients is listed.

Chemicals known to cause developmental toxicity: None of the ingredients is listed.

CARCINOGENICITY CATEGORIES:

EPA (Environmental Protection Agency): None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH): 14808-60-7: Quartz (SiO₂) A2 & 1333-86-4: Carbon black A4

MAK (German Maximum Workplace Concentration): 14808-60-7: Quartz (SiO₂) 1 & 1333-86-4: Carbon black 3B

NIOSH-Ca (National Institute for Occupational Safety and Health): 14808-60-7: Quartz (SiO₂) & 1333-86-4: Carbon black

NATIONAL REGULATIONS:

Water Hazard Class: Water hazard class 3 (self-assessment): Extremely hazardous for water.

Chemical Safety Assessment: A chemical safety assessment has not been carried out.

16. Other Information

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

Department issuing SDS: Environmental, Health & Safety Department.

Contact: Environmental, Health & Safety Manager.

Date of preparation / last revision: 06/02/2016 / 1

ABBREVIATIONS & ACRONYMS:

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

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

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

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

Acute Tox. 4: Acute Toxicity, Hazard Category 4

Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B

Skin Sen. 1: Sensitisation – Skin, Hazard Category 1

Repr. 1: Reproductive toxicity, Hazard Category 1

Aquatic Chronic 4: Hazardous to the aquatic environment - Chronic Hazard, Category 4

DISCLAIMER:

To the best of our knowledge, information contained herein is accurate. However, there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard, which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product, which may not be covered by this SDS. The user is responsible for full compliance.