

Manufacturer:

Epoxy Technology

Product Name:

EPO-TEK® H20E Electrically Conductive Silver Epoxy, Heat Cure - Pre-Mixed and Frozen (3cc Syringe)

Manufacturer Part Number:

ETH20E-3CC

Click here for more details on the EPO-TEK® H20E Electrically Conductive Silver Epoxy, Heat Cure - Pre-Mixed and Frozen (3cc Syringe)



A Meridian Adhesives Group Company

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Issue date: 3/2/2022 Revision date: 1/30/2023 Supersedes: 3/2/2022 Version: 2.0

SECTION 1: Identification

1.1. Identification

Product form : Mixture

Product name : EPO-TEK® H20E PART B

1.2. Recommended use and restrictions on use

Use of the substance/mixture · Adhesives Recommended use Adhesives

Restrictions on use : Not to be used for any purpose other than the one the product was designed for

1.3. Supplier

Epoxy Technology, Inc. 14 Fortune Drive Billerica, MA 01821, 01821 USA

T 978-667-3805 - F 978-663-9782

www.epotek.com

1.4. Emergency telephone number

Emergency number : VelocityEHS: +1 (800) 255-3924, +1 (813) 248-0585

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

H302 Acute toxicity (oral) Category 4 Harmful if swallowed Serious eye damage/eye irritation Category 1 H318 Causes serious eye damage H400 Hazardous to the aquatic environment - Acute Hazard Category 1 Very toxic to aquatic life

Hazardous to the aquatic environment - Chronic Hazard Category 1 Very toxic to aquatic life with long lasting effects

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US)







Signal word (GHS US)

Hazard statements (GHS US)

Danger

H302 - Harmful if swallowed H318 - Causes serious eve damage

H400 - Very toxic to aquatic life

H410 - Very toxic to aquatic life with long lasting effects Precautionary statements (GHS US) : P264 - Wash hands, forearms and face thoroughly after handling.

P270 - Do not eat, drink or smoke when using this product. P273 - Avoid release to the environment.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P301+P312 - If swallowed: Call a poison center or doctor if you feel unwell.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing.

Data is subject to change without notice.





Manufacturer:

Epoxy Technology

Product Name:

EPO-TEK® H20E Electrically Conductive Silver Epoxy, Heat Cure - Pre-Mixed and Frozen (3cc Syringe)

Manufacturer Part Number:

ETH20E-3CC

Click here for more details on the EPO-TEK® H20E Electrically Conductive Silver Epoxy, Heat Cure - Pre-Mixed and Frozen (3cc Syringe)

EPO-TEK® H20E PART B

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

P310 - Immediately call a poison center or doctor.

P330 - Rinse mouth.

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 which do not result in classification

Other hazards which do not result in classification : Harmful dust may be released during cutting, milling or grinding process,

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
Silver	CAS-No.: 7440-22-4	≥ 60	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Reactive diluent*	CAS-No.: Trade Secret	5 – 10	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 STOT SE 3, H336
Substituted imidazole*	CAS-No.: Trade Secret	5 – 10	Acute Tox. 3 (Oral), H301 Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335

^{*}Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

Comments : Components not listed are either non-hazardous or are below reportable limits.

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

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general : Call a poison center/doctor/physician if you feel unwell.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to

do. Continue rinsing. Call a physician immediately.

First-aid measures after ingestion : Rinse mouth. Call a poison center/doctor/physician if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after eve contact : Serious damage to eves.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

Data is subject to change without notice.





Manufacturer:

Epoxy Technology

Product Name:

EPO-TEK® H20E Electrically Conductive Silver Epoxy, Heat Cure - Pre-Mixed and Frozen (3cc Syringe)

Manufacturer Part Number:

ETH20E-3CC

Click here for more details on the EPO-TEK® H20E Electrically Conductive Silver Epoxy, Heat Cure - Pre-Mixed and Frozen (3cc Syringe)

EPO-TEK® H20E PART B

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing

apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer

to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.

Methods for cleaning up : Take up liquid spill into absorbent material.

Other information : Dispose of materials or solid residues at an authorized site

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal

protective equipment.

Hygiene measures : Do not eat, drink or si

: Do not eat, drink or smoke when using this product. Always wash hands after handling the

product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

Data is subject to change without notice.





Manufacturer:

Epoxy Technology

Product Name:

EPO-TEK® H20E Electrically Conductive Silver Epoxy, Heat Cure - Pre-Mixed and Frozen (3cc Syringe)

Manufacturer Part Number:

ETH20E-3CC



Click here for more details on the EPO-TEK® H20E Electrically Conductive Silver Epoxy, Heat Cure - Pre-Mixed and Frozen (3cc Syringe)

EPO-TEK® H20E PART B

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station. Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection

Wear suitable gloves resistant to chemical penetration. Neoprene or nitrile rubber gloves. Butyl-rubber protective gloves. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Refer to manufacturer's information. Gloves must be replaced after each use and whenever signs of wear or perforation appear

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):



Physical state





SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Color : Silver : slight Odor Odor threshold : No data available pΗ : No data available Melting point : No data available Freezing point : No data available **Boiling point** : No data available Flash point : No data available Relative evaporation rate (butyl acetate=1) No data available Flammability Not applicable. Vapor pressure No data available Relative vapor density at 20°C No data available Relative density No data available : No data available : No data available

Solubility Partition coefficient n-octanol/water (Log Pow) Auto-ignition temperature No data available Decomposition temperature : No data available Viscosity, kinematic : No data available Viscosity, dynamic No data available Explosion limits : No data available Explosive properties No data available Oxidizing properties : No data available

Data is subject to change without notice.



: Liquid





Manufacturer:

Epoxy Technology

Product Name:

EPO-TEK® H20E Electrically Conductive Silver Epoxy, Heat Cure - Pre-Mixed and Frozen (3cc Syringe)

Manufacturer Part Number:

ETH20E-3CC



Click here for more details on the EPO-TEK® H20E Electrically Conductive Silver Epoxy, Heat Cure - Pre-Mixed and Frozen (3cc Syringe)

EPO-TEK® H20E PART B

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1	. Information	on toxico	logical	effects

Acute toxicity (oral) : Harmful if swallowed
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

EPO-TEK	® H20E	PART B
---------	--------	--------

ATE US (oral)	784.468 mg/kg body weight
Silver (7440-22-4)	
LD50 oral rat	> 2000 mg/kg Source: ECHA
LD50 dermal rat	> 2000 mg/kg Source: ECHA
LC50 Inhalation - Rat	> 5.16 mg/l air Animal: rat, Guideline: OECD Guideline 436 (Acute Inhalation Toxicity: Acute Toxic Class Method)
ATE US (oral)	5000 mg/kg body weight
ATE US (dermal)	2500 mg/kg body weight
Reactive diluent	
LD50 oral rat	1582 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 8 day(s))
LC50 Inhalation - Rat	> 5.1 mg/l (Equivalent or similar to OECD 403, 4 h, Rat, Male / female, Experimental value, Inhalation (mixture of vapour and aerosol), 14 day(s))

800 mg/kg body weight

Data is subject to change without notice.

ATE US (oral)







Manufacturer:

Epoxy Technology

Product Name:

EPO-TEK® H20E Electrically Conductive Silver Epoxy, Heat Cure - Pre-Mixed and Frozen (3cc Syringe)

Manufacturer Part Number:

ETH20E-3CC

Click here for more details on the EPO-TEK® H20E Electrically Conductive Silver Epoxy, Heat Cure - Pre-Mixed and Frozen (3cc Syringe)

EPO-TEK® H20E PART B

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

ATE 110 (d1)	COOR walls but would
ATE US (dermal)	5600 mg/kg body weight
ATE US (dust, mist)	5.1 mg/l/4h
Substituted imidazole	
ATE US (oral)	100 mg/kg body weight
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reactive diluent	
NOAEL (chronic,oral,animal/male,2 years)	225 mg/kg body weight Animal: rat, Animal sex: male, Guideline: other:NTP Protocol, Remark on results: other:Effect type: carcinogenicity (migrated information)
NOAEL (chronic,oral,animal/female,2 years)	450 mg/kg body weight Animal: rat, Animal sex: female, Guideline: other:NTP Protocol, Remarks on results: other:Effect type: carcinogenicity (migrated information)
IARC group	3 - Not classifiable
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
Reactive diluent	
STOT-single exposure	May cause drowsiness or dizziness.
Substituted imidazole	
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: Not classified
Silver (7440-22-4)	
LOAEL (oral,rat,90 days)	125 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
Aspiration hazard	: Not classified
√iscosity, kinematic	: No data available

SECTION 12: Ecological information	
12.1. Toxicity	
Ecology - general	Very toxic to aquatic life with long lasting effects.
Silver (7440-22-4)	
LC50 - Fish [1]	4.7 μg/l Test organisms (species): Pimephales promelas
LC50 - Fish [2]	89.4 µg/l Test organisms (species): Pimephales promelas
ErC50 algae	0.285 µg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)
Reactive diluent	
LC50 - Fish [1]	56 mg/l (Equivalent or similar to OECD 203, 96 h, Lepomis macrochirus, Static system, Fresh water, Experimental value, Nominal concentration)

 $Data\ is\ subject\ to\ change\ without\ notice.$







Manufacturer:

Epoxy Technology

Product Name:

EPO-TEK® H20E Electrically Conductive Silver Epoxy, Heat Cure - Pre-Mixed and Frozen (3cc Syringe)

Manufacturer Part Number:

ETH20E-3CC



Click here for more details on the EPO-TEK® H20E Electrically Conductive Silver Epoxy, Heat Cure - Pre-Mixed and Frozen (3cc Syringe)

EPO-TEK® H20E PART B

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Reactive diluent	
EC50 - Crustacea [1]	> 500 mg/l (EU Method C.2, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)
ErC50 algae	> 1000 mg/l (DIN 38412-9, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, Estimated value)

12.2. Persistence and degradability

Silver (7440-22-4)		
Persistence and degradability	Biodegradability in soil: not applicable. Biodegradability: not applicable.	
Chemical oxygen demand (COD)	Not applicable (inorganic)	
ThOD	Not applicable (inorganic)	
Reactive diluent		
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.	
ThOD	1.67 g O ₂ /g substance	

12.3. Bioaccumulative potential

Silver (7440-22-4)		
BCF - Fish [1]	70 (30 day(s), Cyprinus carpio, Fresh water, Experimental value, Fresh weight)	
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).	
Reactive diluent		
BCF - Other aquatic organisms [1]	3.162 l/kg (BCFBAF v3.00, Calculated value, Fresh weight)	
Partition coefficient n-octanol/water (Log Pow)	-0.566 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C)	
Bioaccumulative potential	Not bioaccumulative.	

12.4. Mobility in soil

Silver (7440-22-4)	
Ecology - soil	No (test)data on mobility of the substance available.
Reactive diluent	
Surface tension	No data available (test not performed)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0.544 – 0.811 (log Koc, SRC PCKOCWIN v2.0, Calculated value)
Ecology - soil	Highly mobile in soil.

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Vaste treatment methods

: Dispose of contents/container in accordance with licensed collector's sorting instructions.

Data is subject to change without notice.





Manufacturer:

Epoxy Technology

Product Name:

EPO-TEK® H20E Electrically Conductive Silver Epoxy, Heat Cure - Pre-Mixed and Frozen (3cc Syringe)

Manufacturer Part Number:

ETH20E-3CC

Click here for more details on the EPO-TEK® H20E Electrically Conductive Silver Epoxy, Heat Cure - Pre-Mixed and Frozen (3cc Syringe)

EPO-TEK® H20E PART B

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

14.1. UN number

DOT NA No : UN3082 UN-No. (TDG) UN3082 UN-No. (IMDG) 3082 UN-No. (IATA) : 3082

14.2. UN proper shipping name

Proper Shipping Name (DOT) : Environmentally hazardous substances, liquid, n.o.s. (Silver)

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Silver) Proper Shipping Name (TDG) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Silver) Proper Shipping Name (IMDG)

Proper Shipping Name (IATA) : Environmentally hazardous substance, liquid, n.o.s. (Silver)

14.3. Transport hazard class(es)

Transport hazard class(es) (DOT) Hazard labels (DOT)



TDG

Transport hazard class(es) (TDG) Hazard labels (TDG)



IMDG

Transport hazard class(es) (IMDG)

Hazard labels (IMDG)



Transport hazard class(es) (IATA)

Hazard labels (IATA)



14.4. Packing group

Packing group (DOT) : 111 : 111 Packing group (TDG) Packing group (IMDG) : 101

Data is subject to change without notice.







Manufacturer:

Epoxy Technology

Product Name:

EPO-TEK® H20E Electrically Conductive Silver Epoxy, Heat Cure - Pre-Mixed and Frozen (3cc Syringe)

Manufacturer Part Number:

ETH20E-3CC

Click here for more details on the EPO-TEK® H20E Electrically Conductive Silver Epoxy, Heat Cure - Pre-Mixed and Frozen (3cc Syringe)

EPO-TEK® H20E PART B

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Packing group (IATA)

14.5. Environmental hazards

Dangerous for the environment Marine pollutant

: Yes : Yes

Other information

: No supplementary information available.

14.6. Special precautions for user

UN-No.(DOT)

DOT Special Provisions (49 CFR 172.102)

: UN3082

8 - A hazardous substance that is not a hazardous waste may be shipped under the shipping description "Other regulated substances, liquid or solid, n.o.s.", as appropriate. In addition, for solid materials, special provision B54 applies.

146 - This description may be used for a material that poses a hazard to the environment but does not meet the definition for a hazardous waste or a hazardous substance, as defined in 171.8 of this subchapter, or any hazard class as defined in Part 173 of this subchapter, if it is designated as environmentally hazardous by the Competent Authority of the country of origin, transit or destination.

173 - An appropriate generic entry may be used for this material.

335 - Mixtures of solids that are not subject to this subchapter and environmentally hazardous liquids or solids may be classified as "Environmentally hazardous substances, solid, n.o.s," UN3077 and may be transported under this entry, provided there is no free liquid visible at the time the material is loaded or at the time the packaging or transport unit is closed. Each transport unit must be leak-proof when used as bulk packaging.

IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HD2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table

T4 - 2.65 178.274(d)(2) Normal...... 178.275(d)(3)

TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling = 97 / 1 + a (tr - tf) Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling. TP29 - A portable tank having a minimum test pressure of 1.5 bar (150.0 kPa) may be used provided the calculated test pressure is 1.5 bar or less based on the MAWP of the hazardous materials, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP.

DOT Packaging Exceptions (49 CFR 173.xxx) 155 : 203 DOT Packaging Non Bulk (49 CFR 173.xxx) DOT Packaging Bulk (49 CFR 173.xxx) 241 DOT Quantity Limitations Passenger aircraft/rail (49 : No Limit CFR 173.27) DOT Quantity Limitations Cargo aircraft only (49 : No Limit

CFR 175.75)

DOT Vessel Stowage Location : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a

passenger vessel

TDG

UN-No. (TDG) : UN3082

Data is subject to change without notice.





Manufacturer:

Epoxy Technology

Product Name:

EPO-TEK® H20E Electrically Conductive Silver Epoxy, Heat Cure - Pre-Mixed and Frozen (3cc Syringe)

Manufacturer Part Number:

ETH20E-3CC

Click here for more details on the EPO-TEK® H20E Electrically Conductive Silver Epoxy, Heat Cure - Pre-Mixed and Frozen (3cc Syringe)

EPO-TEK® H20E PART B

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

TDG Special Provisions

: 16 - (1) The technical name of at least one of the most dangerous substances that predominantly contributes to the hazard or hazards posed by the dangerous goods must be shown, in parentheses, on the shipping document following the shipping name in accordance with clause 3.5(1)(c)(ii)(A) of Part 3 (Documentation). The technical name must also be shown, in parentheses, on a small means of containment or on a tag following the shipping name in accordance with subsections 4.11(2) and (3) of Part 4 (Dangerous Goods Safety Marks).
(2) Despite subsection (1), the technical name for the following dangerous goods is not required to be shown on a shipping document or on a small means of containment when Canadian law for domestic transport or an international convention for international transport prohibits the disclosure of the technical name:

(a) UN1544, ALKALOID SALTS, SOLID, N.O.S. or ALKALOIDS, SOLID, N.O.S;

(b) UN1851, MEDICINE, LIQUID, TOXIC, N.O.S;

(c) UN3140, ALKALOID SALTS, LIQUID, N.O.S. or ALKALOIDS, LIQUID, N.O.S;

(d) UN3248, MEDICINE, LIQUID, FLAMMABLE, TOXIC, N.O.S; or

(e) UN3249, MEDICINE, SOLID, TOXIC, N.O.S.

(3) Despite subsection (1), the technical name for the following dangerous goods is not required to be shown on a small means of containment:

(a) UN2814, INFECTIOUS SUBSTANCE, AFFECTING HUMANS; or

(b) UN2900, INFECTIOUS SUBSTANCE, AFFECTING ANIMALS,99 - (1) Mixtures of solids that are not dangerous goods and liquids or solids that are UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S, or UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S, may be handled, offered for transport or transported as UN3077 if there is no visible liquid when the dangerous goods are loaded into a means containment and during transport.

(2) These Regulations, except for Part 1 (Coming into Force, Repeal, Interpretation, General Provisions and Special Cases) and Part 2 (Classification), do not apply to the handling, offering for transport or transporting of less than 450 kg of UN3077, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S, or less than 450 L of UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S, on a road vehicle or a railway vehicle. The dangerous goods must be contained in one or more small means of containment designed, constructed, filled, closed, secured and maintained so that under normal conditions of transport, including handling, there will be no accidental release of the dangerous goods that could endanger public safety.

Explosive Limit and Limited Quantity Index

Excepted quantities (TDG)
Emergency Response Guide (ERG) Number

IMDG

 Special provision (IMDG)
 : 274, 335, 969

 Limited quantities (IMDG)
 : 5 L

 Excepted quantities (IMDG)
 : E1

 Packing instructions (IMDG)
 : LP01, P001

 Packing provisions (IMDG)
 : PP1

 IBC packing instructions (IMDG)
 : IBC03

 Tank instructions (IMDG)
 : T4

Tank special provisions (IMDG) : TP1, TP29

EmS-No. (Fire) : F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE

: 5L

: E1

: 171

EmS-No. (Spillage) : S-F - SPILLAGE SCHEDULE Foxtrot - WATER-SOLUBLE MARINE POLLUTANTS

Stowage category (IMDG) : A

IATA

PCA Excepted quantities (IATA) : E1
PCA Limited quantities (IATA) : Y964
PCA limited quantity max net quantity (IATA) : 30kgG
PCA packing instructions (IATA) : 964
PCA max net quantity (IATA) : 450L
CAO packing instructions (IATA) : 964
CAO max net quantity (IATA) : 450L

Data is subject to change without notice.





Manufacturer:

Epoxy Technology

Product Name:

EPO-TEK® H20E Electrically Conductive Silver Epoxy, Heat Cure - Pre-Mixed and Frozen (3cc Syringe)

Manufacturer Part Number:

ETH20E-3CC

Click here for more details on the EPO-TEK® H20E Electrically Conductive Silver Epoxy, Heat Cure - Pre-Mixed and Frozen (3cc Syringe)

EPO-TEK® H20E PART B

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

 Special provision (IATA)
 : A97, A158, A197, A215

 ERG code (IATA)
 : 9L

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

Silver CAS-No. 7440-22-4 ≥ 60%

Silver (7440-22-4)

CERCLA RQ 1000 lb

15.2. International regulations

CANADA

Silver (7440-22-4)

Listed on the Canadian DSL (Domestic Substances List)

Reactive diluent

Listed on the Canadian DSL (Domestic Substances List)

Substituted imidazole

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

Silver (7440-22-4)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Reactive diluent

Listed on INSQ (Mexican National Inventory of Chemical Substances)

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

Data is subject to change without notice.





Manufacturer:

Epoxy Technology

Product Name:

EPO-TEK® H20E Electrically Conductive Silver Epoxy, Heat Cure - Pre-Mixed and Frozen (3cc Syringe)

Manufacturer Part Number:

ETH20E-3CC



Click here for more details on the EPO-TEK® H20E Electrically Conductive Silver Epoxy, Heat Cure - Pre-Mixed and Frozen (3cc Syringe)

EPO-TEK® H20E PART B

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Component	State or local regulations
Silver(7440-22-4)	U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardous Substance List; U.S New York City - Right to Know Hazardous Substances List; U.S Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Revision date : 01/30/2023

Full text of H-phrases	
H301	Toxic if swallowed
H302	Harmful if swallowed
H315	Causes skin irritation
H318	Causes serious eye damage
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

Data is subject to change without notice.

