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Manufacturer:

Epoxy Technology

Product Name: EPO-TEK[®] 353ND High Temperature Epoxy, Heat Cure (8oz)

Manufacturer Part Number: ET353NDBLK-8OZ

Click here for more details on the EPO-TEK® 353ND High Temperature Epoxy, Heat Cure (8oz)

OFFICIENT OFFICIENT A Meridian Adhesives Group Company	EPO-TEK® 353ND BLACK PART A Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 28, 2012 / Rules and Regulations Issue date: 7/13/2022 Revision date: 8/7/2023 Supersedes: 7/13/2022 Version: 2.0
SECTION 1: Identification	
1.1. Identification	
Product form Product name	: Mixture : EPO-TEK® 353ND BLACK PART A
1.2. Recommended use and rest	ictions on use
Use of the substance/mixture Recommended use Restrictions on use	: Adhesives : Adhesives : Not to be used for any purpose other than the one the product was designed for
1.3. Supplier	
Manufacturer Epoxy Technology, Inc. 14 Fortune Drive Billerica, MA 01821 USA T 978-667-3805 - F 978-663-9782 www.epotek.com	
1.4. Emergency telephone numb	er
F	
Emergency number	: VelocityEHS: +1 (800) 255-3924, +1 (813) 248-0585
Emergency number SECTION 2: Hazard(s) identifi	
	cation
SECTION 2: Hazard(s) identifi	cation
SECTION 2: Hazard(s) identifi 2.1. Classification of the substan GHS US classification Skin corrosion/irritation Category 2 Skin sensitization, Category 1	cation ce or mixture H315 Causes skin irritation H317 May cause an allergic skin reaction -Chronic Hazard Category 2 H411 Toxic to aquatic life with long lasting effects
SECTION 2: Hazard(s) identifi 2.1. Classification of the substan GHS US classification Skin corrosion/irritation Category 2 Skin sensitization, Category 1 Hazardous to the aquatic environment -	Cation Ce or mixture H315 Causes skin irritation H317 May cause an allergic skin reaction -Chronic Hazard Category 2 H411 Toxic to aquatic life with long lasting effects 6
SECTION 2: Hazard(s) identifi 2.1. Classification of the substan GHS US classification Skin corrosion/irritation Category 2 Skin sensitization, Category 1 Hazardous to the aquatic environment – Full text of H statements : see section 1	Cation Ce or mixture H315 Causes skin irritation H317 May cause an allergic skin reaction -Chronic Hazard Category 2 H411 Toxic to aquatic life with long lasting effects 6
SECTION 2: Hazard(s) identifi 2.1. Classification of the substan GHS US classification Skin corrosion/irritation Category 2 Skin sensitization, Category 1 Hazardous to the aquatic environment – Full text of H statements : see section 1 2.2. GHS Label elements, includi	Cation Ce or mixture H315 Causes skin irritation H317 May cause an allergic skin reaction • Chronic Hazard Category 2 H411 Toxic to aquatic life with long lasting effects 6
SECTION 2: Hazard(s) identifi 2.1. Classification of the substan GHS US classification Skin corrosion/irritation Category 2 Skin sensitization, Category 1 Hazardous to the aquatic environment - Full text of H statements : see section 10 2.2. GHS Label elements, includio GHS US labeling	Cation Ce or mixture H315 Causes skin irritation H317 May cause an allergic skin reaction • Chronic Hazard Category 2 H411 Toxic to aquatic life with long lasting effects 6

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Product Name: EPO-TEK[®] 353ND High Temperature Epoxy, Heat Cure (8oz)

Manufacturer Part Number: ET353NDBLK-80Z

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EPO-TEK® 353ND BLACK PART A

Safety Data Sheet

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

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P362+P364 - Take off contaminated clothing and wash it before reuse. P363 - Wash contaminated clothing before reuse. P391 - Collect spillage. P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards 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

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Not applicable
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2.2

S.Z. MIXTURES			
Name	Product identifier	%	GHS US classification
Epoxy phenol novolac resin	CAS-No.: 9003-36-5		Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 2, H411

Comments

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

Learn More

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret statements : see section 16

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 after inhalation First-aid measures after skin contact First-aid measures after eye contact First-aid measures after ingestion	 Remove person to fresh air and keep comfortable for breathing. Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention. Rinse eyes with water as a precaution. Call a poison center/doctor/physician if you feel unwell.
4.2. Most important symptoms and ef	ffects (acute and delayed)
Symptoms/effects after skin contact	: Irritation. May cause an allergic skin reaction.
4.3. Immediate medical attention and	special treatment, if necessary
Treat symptomatically.	
SECTION 5: Fire-fighting measure	95
5.1 Suitable (and unsuitable) extingu	iching modia

5.1. Suitable (and unsuitable) extinguishing me

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

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Manufacturer Part Number: ET353NDBLK-8OZ

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EPO-TEK® 353ND BLACK PART A

Safety Data Sheet

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

5.2. Specific hazards arising from the chem	lical
Hazardous decomposition products in case of fire	: Toxic fumes may be released.
5.3. Special protective equipment and prec	autions 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 measu	res
6.1. Personal precautions, protective equip	ment and emergency procedures
6.1.1. For non-emergency personnel	
Emergency procedures	 Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.
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 Methods for cleaning up Other information	: Collect spillage. : Take up liquid spill into absorbent material. : 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. Avoid breathing dust/fume/gas/mist/vapors/sprav.

 Precautions for safe handling
 : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment. Avoid breathing dust/fume/gas/mist/vapors/spray.

 Hygiene measures
 : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. 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

 EPO-TEK® 353ND BLACK PART A

 No additional information available

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EPO-TEK® 353ND BLACK PART A

Safety Data Sheet

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

Epoxy phenol novolac resin (9003-36	5-5)	
No additional information available		
8.2. Appropriate engineering controls	i	
Appropriate engineering controls Environmental exposure controls	: Ensure good ventilation of the work station. : Avoid release to the environment.	
8.3. Individual protection measures/P	ersonal protective equipment	
Hand protection:		
a decision that depends not only on the type	enetration. Neoprene or nitrile rubber gloves. Butyl-rubber protective gloves. Choosing the proper glove is of material, but also on other quality features, which differ for each manufacturer. Refer to manufacturer's ach 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 suitab	le respiratory equipment	
Personal protective equipment symbol(s):		



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and ch	emical properties
Physical state	: Liquid
Color	: Black
Odor	: Mild odor
Odor threshold	: No data available
pH	: 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
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
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
t to change without notice.	

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Safety Data Sheet

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

Explosive properties Oxidizing properties : No data available : No data available

9.2. Other information

No additional information available

SECTION 10: Stability	v and reactivity
SECTION TO. Stabilit	y 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 toxicological effects	
Acute toxicity (demal) Acute toxicity (inhalation) Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitization Germ cell mutagenicity Carcinogenicity Reproductive toxicity STOT-single exposure	 Not classified Not classified Not classified Causes skin irritation. Not classified May cause an allergic skin reaction. Not classified
Epoxy phenol novolac resin (9003-36-5)	
NOAEL (oral,rat,90 days)	≈ 250 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
Viscosity, kinematic	Not classified No data available Inritation. May cause an allergic skin reaction.
ct to change without notice.	

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EPO-TEK® 353ND BLACK PART A

Safety Data Sheet

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

SECTION 12: Ecological information	
12.1. Toxicity	
Ecology - general :	Toxic to aquatic life with long lasting effects.
Epoxy phenol novolac resin (9003-36-5)	
LC50 - Fish [1]	1.9 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Brachydanio rerio, Semi-static system, Fresh water, Weight of evidence)
EC50 - Crustacea [1]	3.5 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Weight of evidence, GLP)
LC50 - Fish [2]	1000 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)
LOEC (chronic)	1 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	0.3 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
12.2. Persistence and degradability	
Epoxy phenol novolac resin (9003-36-5)	
Persistence and degradability	Not readily biodegradable in water.
12.3. Bioaccumulative potential	
Epoxy phenol novolac resin (9003-36-5)	
Partition coefficient n-octanol/water (Log Pow)	2.7 – 3.6 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
12.4. Mobility in soil	•
Epoxy phenol novolac resin (9003-36-5)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	3.65 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value)
Ecology - soil	Low potential for mobility in soil.
12.5. Other adverse effects	·
No additional information available	

SECTION 13: Disposal considerations 13.1. Disposal methods Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions

	SECTION 14: Transport information	
	In accordance with DOT / TDG / IMDG / IATA	
	14.1. UN number	
		: UN3082 : UN3082
Data is subject to c	hange without notice.	

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Safety Data Sheet

UN-No. (MDG) :: 982 11.2. UIt proper shipping name	according to Federal Register / Vol. 77, No. 58 / Mor	nday, March 26, 2012 / Rules and Regulations
Proper Shipping Name (DOT) :: Environmentality hazardous substances, liquid, n.o.s. Proper Shipping Name (IDG) :: Environmentality hazardous substances, liquid, n.o.s. (Epoxy Phenol Novolac) Proper Shipping Name (IATA) :: Environmentality hazardous substances, liquid, n.o.s. (Epoxy Phenol Novolac) DT Transport hazard class(es) (DOT) :: 9 Hazard labels (DOT) :: 9 Hazard class(es) (DOT) :: 9 Hazard labels (DOG) :: 9 Hazard labels (DOG) :: 9 Hazard labels (MDG) :: 9 Phetog group (DOT) :: 10 Phetog group (DOT) :: 10		
Proper Shipping Name (TDG) ::::::::::::::::::::::::::::::::::::	14.2. UN proper shipping name	
DOT Tansport hazard class(es) (DOT) : 9 Hzard labels (DOT) : 9 Image: The stand class(es) (TDG) : 9 Hazard labels (TDG) : 9 Hazard labels (TDG) : 9 Hazard labels (IMDG) : 9 Hazard labels (IATA) : 9 Hazard labels (IATA) <t< td=""><td>Proper Shipping Name (TDG) Proper Shipping Name (IMDG)</td><td>: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy Phenol Novolac)</td></t<>	Proper Shipping Name (TDG) Proper Shipping Name (IMDG)	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy Phenol Novolac)
Tansport hazard class(e) (DOT) : 9 Hazard labels (DOT) : 9 Job Job TG : 9 Tansport hazard class(es) (TDG) : 9 Hazard labels (TDG) : 9 Job Job MDG : 9 Tansport hazard class(es) (IMDG) : 9 Hazard labels (IATA) : 10 Packing group (IATA) : 10 <td>14.3. Transport hazard class(es)</td> <td></td>	14.3. Transport hazard class(es)	
Transport hazard class(es) (TDG) : 9 Hazard labels (TDG) : 9 MDG Transport hazard class(es) (IMDG) Transport hazard class(es) (IMDG) : 9 Hazard labels (IATA) : 9 <td>Transport hazard class(es) (DOT)</td> <td></td>	Transport hazard class(es) (DOT)	
Transport hazard class(es) (IMDG) : 9 Hazard labels (IMDG) : 9 IATA	Transport hazard class(es) (TDG)	
Transport hazard class(es) (IATA) : 9 Hazard labels (IATA) : 9 Image: transport hazard labels (IATA) : 10 Packing group (DOT) : 10 Packing group (IMDG) : 10 Packing group (IATA) : 10 Image: transport hazards : 10 Dangerous for the environment : Yes	Transport hazard class(es) (IMDG)	
Packing group (DO) : III Packing group (TDG) : III Packing group (IMDG) : III Packing group (IATA) : III 14.5. Environmental hazards Dangerous for the environment : Yes	Transport hazard class(es) (IATA)	
Packing group (TDG) : III Packing group (IMDG) : III Packing group (IATA) : III 14.5. Environmental hazards Dangerous for the environment : Yes	14.4. Packing group	
Dangerous for the environment : Yes	Packing group (TDG) Packing group (IMDG)	: III : III
-	14.5. Environmental hazards	
	-	: Yes

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Safety Data Sheet

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description "Other regulated substances, liquid or solid, n.o.s.", as appropriate. In addition, solid materials, special provision B54 applies. 146 - This description may be used for a material that poses a hazard to the environment b does not meet the definition for a hazardous waste or a hazardous substance, as defined in 171.13 of this subchapter, if it designated as environmentally hazard class as defined in 171.73 of this subchapter, if it designated as environmentally hazardous by the Competent Authority of the country of org transit or destination. 173 - An appropriate generic entry may be used for this material. 335 - Michures of solids that are not subject to this subchapter and environmentally hazardous by the transporte of this material. 335 - Michures of solids that are not subject to this substances, solid, n.o.s.", UN3077 and may be transported under this entry, provided there is no free liquid visible at time the material is loaded or at the time the packaging. IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Comport (31H21 and 31H2, 31H42,	Marine pollutant	: Yes
14.6. Special Provisions for user OT UN-No.(DOT) DOT Special Provisions (49 CFR 172.102) III Name III Name 1II Secretion III Secretion IIII Secretion IIIII Secretion IIIII Secretion IIIII Secretion IIIIII Secretion IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII		
DOT UN-No.(DOT) I. UN3082 DOT Special Provisions (49 CFR 172.102) II. A hazardous substance that is not a hazardous waste may be shipped under the shippid description "Other regulated substances, liquid or solid, n.o.s.", as appropriate. In addition, solid materials, special provision B54 applies. 146 - This description may be used for a material that poses a hazard to the environment b does not meet the definition for a hazardous waste or a hazardous substance, as defined in 1718. of this subchapter, if this description may be used for this material. 335 - Mixtures of solids that are not subject to this subchapter in the country of orig 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 hazardou liquids or solids may be classified as Tervironmentally hazardous substances, solid, n.o.s.", UN3077 and may be transported under this entry, provided there is no free liquid visible at time the material is loaded or at the time the packaging or transport unit is closed. Each tra unit must be leak-proof when used as bulk packaging. B3 - Authorized IBCS: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Compo (31H21 and 31H42, 31H22, 31	Other information	: No supplementary information available.
UN-No.(DOT) : UN3082 DOT Special Provisions (49 CFR 172.102) : 8 - A hazardous substance that is not a hazardous waste may be shipped under the shippid description "Other regulated substances, liquid or solid, n.o.s.", as appropriate. In addition, solid materials, special provision B54 applies. 146 - This description may be used for a material that poses a hazard to the environment b does not meet the definition for a hazardous waste or a hazardous substance, as defined in Part 173 of this subchapter, if it designated as environmentally hazardous by the Competent Authority of the country of or 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 substances, solid, n.o.s.", (as provinated there is not ree liquid visible at time the material is loaded or at the time the packaging. 183 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Comport (31H21 and 31H2, 31H22, 3	14.6. Special precautions for user	
DOT Special Provisions (49 CFR 172.102) 8 - A hazardous substance that is not a hazardous waste may be shipped under the shippid description "Other regulated substances, fliquid or solid, n.o.s.", as appropriate. In addition, solid materials, special provision B64 applies. 146 - This description may be used for a mazardous waste or a hazard to the environment to does not meet the definition for a hazardous substance, as defined in 171.8 of this subchapter, or any hazard class as defined in Part 173 of this subchapter, fit designated as environmentally hazardous by the Competent Authority of the country of org 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 lustances, solid, n.o.s.", UN3077 and may be transported under this entry, provided there is no free liquid visible at time the material is loaded or at the time the packaging. IB3 - Authorized IBCS: Metal (31A, 318 and 31N; Rigd plastics (31H1 and 31H2); Compo (31H21 and 31H42, 31HH22, 31HH		
does not meet the definition for a hazardous waste or a hazardous substance, as defined in 171.8 of this subchapter, or any hazardous by the Competent Authority of this subchapter, if it designated as environmentally hazardous by the Competent Authority of the country of orig 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 substances, solid, no.s." UN3077 and may be transported under this entry, provided there is no free liquid visible at time the material is loaded or at the time the packaging or transport unit is closed. Each tra unit must be leak-proof when used as bulk packaging. IB3 - Authorized IBCS: Metal (31A, 31B and 31H); Rigid plastics (31H1 and 31H2); Compo (31H21 and 31HA2, 31HB2, 31HN2, 31HD2 and 31H42). Additional Requirement: Only lik with a vapor pressure less than or equal to 110 RPa at 50 C (1.1 bar at 122 F), or 130 RPa . C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in 12 for UN2672). T14 - 2.65 178.274(d)(2) Normal		8 - A hazardous substance that is not a hazardous waste may be shipped under the shippin description "Other regulated substances, liquid or solid, n.o.s.", as appropriate. In addition, f solid materials, special provision B54 applies.
335 - Mixtures of solids that are not subject to this subchapter and environmentally hazardous substances, solid, n.o.s., 'UN3077 and 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 time the material is loaded or at the time the packaging. UB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Comport (31H21 and 31HA2, 31HB2, 31HN2, 31HD2, 31H), Rigid plastics (31H1 and 31H2); Comport (31H21 and 31HA2, 31HB2, 31HN2, 31HD2, and 31H). UB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Comport (31H21 and 31H2, 31HD2, 31HD2, 31HD2, 31HD2, 31HD2). Additional Requirement: Only lik with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa i: C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in T2 for UN2672). T4 - 2.65 178.274(d)(2) Normal		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 i designated as environmentally hazardous by the Competent Authority of the country of origin transit or destination.
IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31H21 and 31HA2, 31HB2, 31HD2, and 31HH2). Additional Requirement: Only lid with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa i C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in 1 2 for UN2672). T4 - 2.65 178.274(d)(2) Normal		173 - An appropriate generic entry may be used for this material. 335 - Mixtures of solids that are not subject to this subchapter and environmentally hazardo 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 t time the material is loaded or at the time the packaging or transport unit is closed. Each transport unit is closed.
T4 - 2.65 178.274(d)(2) Normal		IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Compos (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liq with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa a C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Ta
following: Degree of filling = 97 / 1 + a (tr - tf) Where: tr is the maximum mean bulk tempera 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 hazardo 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 DOT Packaging Bulk (49 CFR 173.xxx) : 203 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.		T4 - 2.65 178.274(d)(2) Normal 178.275(d)(3)
DOT Packaging Exceptions (49 CFR 173.xxx) : 155 DOT Packaging Non Bulk (49 CFR 173.xxx) : 155 DOT Packaging Bulk (49 CFR 173.xxx) : 203 DOT Packaging Bulk (49 CFR 173.xxx) : 241 DOT Quantity Limitations Passenger aircraft/rail (49) : No Limit CFR 173.72) 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 TDG Image: Stowage Location : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.		following: Degree of filling = 97 / 1 + a (tr - tf) Where: tr is the maximum mean bulk temperated during transport, and tf is the temperature in degrees celsius of the liquid during filling.
DOT Packaging Exceptions (49 CFR 173.xxx) : 155 DOT Packaging Non Bulk (49 CFR 173.xxx) : 203 DOT Packaging Bulk (49 CFR 173.xxx) : 241 DOT Quantity Limitations Passenger aircraft/rail (49) : No Limit CFR 173.27)		provided the calculated test pressure is 1.5 bar or less based on the MAWP of the hazardou materials, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the
DOT Packaging Non Bulk (49 CFR 173.xxx) : 203 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 TDG	DOT Packaging Executions (40 CEP 172 yvv)	
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 TDG		
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.	,	
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	DOT Quantity Limitations Passenger aircraft/rail (49	: No Limit
passenger vessel. TDG		: No Limit
	DOT Vessel Stowage Location	-
		: UN3082

Learn More

Contact the professionals at Fiber Optic Center for a quote or to get more details.



Manufacturer:

Epoxy Technology

Product Name: EPO-TEK[®] 353ND High Temperature Epoxy, Heat Cure (8oz)

Manufacturer Part Number: ET353NDBLK-80Z

Click here for more details on the EPO-TEK® 353ND High Temperature Epoxy, Heat Cure (8oz)

EPO-TEK® 353ND BLACK PART A

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 the second build build build be and build be a second build be an end of the second build be and the second build build be and the second build be an end of the second build be and the second build be and the second build be and the second build be an end of the second build be and the second build be and the second build be an end of the second buil
	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	: 5L
Excepted quantities (TDG) Emergency Response Guide (ERG) Number	: E1 : 171
IMDG	
Special provision (IMDG)	: 274, 335, 969
Limited quantities (IMDG)	: 5L
Excepted quantities (IMDG) Packing instructions (IMDG)	: E1 : 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
EmS-No. (Spillage) Stowage category (IMDG)	: S-F - SPILLAGE SCHEDULE Foxtrot - WATER-SOLUBLE MARINE POLLUTANTS : A
	. 54
PCA Excepted quantities (IATA) PCA Limited quantities (IATA)	: E1 : Y964
PCA limited quantity max net quantity (IATA)	: 1904 : 30kgG
PCA packing instructions (IATA)	: 964
PCA max net quantity (IATA)	: 450L
CAO packing instructions (IATA)	: 964
CAO max net quantity (IATA)	: 450L
o chanae without notice	

Data is subject to change without notice.

Contact the professionals at Fiber Optic Center for a quote or to get more details.





Manufacturer: Epoxy Technology

Product Name: EPO-TEK[®] 353ND High Temperature Epoxy, Heat Cure (8oz)

Manufacturer Part Number: ET353NDBLK-8OZ

Click here for more details on the EPO-TEK® 353ND High Temperature Epoxy, Heat Cure (8oz)

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

15.2. International regulations

CANADA

Epoxy phenol novolac resin (9003-36-5)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

Epoxy phenol novolac resin (9003-36-5)

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

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Revision date : 06/07/2023

Full text of H-phrases	
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H411	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.

Contact the professionals at Fiber Optic Center for a quote or to get more details.

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