

SAFETY DATA SHEET (SDS)

Section 1. Identification				
Product identifier E4E-87 Fast & Slow Cure, Clear, PART A				
Recommended use and restr	ictions on use Floor coating			
Initial supplier identifier	PPI Tech, 2700 West Cumberland Street	, Building 5, Lebanon, PA 17042		
	O:717-847-7431	C		
Emergency telephone number/restriction on use CHEMTREC® 1-800-262-8200				
Section 2. Hazard identification				
	product (name of the category or subcategory	v of the hazard class)		
Skin irritation (Category 2)				
Sensitization - Skin (Category	7 1)			
Eye irritation (Category 2A)				
Hazardous to the aquatic envir	conment – Chronic (Category 3)			
Information elements (symb	ols, signal words, hazard statements and pre-	cautionary statements of the catego	ory/subcategory)	
P272 Contaminated work clott P280 Wear gloves/protective of P302 + P352 IF ON SKIN: W P362 + P364 Take off contam P305 + P351 + P338 IF IN E rinsing. P337 + P313 If eye im P273 Avoid release to the env	ttion. with long lasting effects. ne/gas/mist/vapours/spray. P264 Wash hands/n hing should not be allowed out of the workplace clothing/eye protection/face protection. ash with plenty of water. P333 + P313 IF SKIN inated clothing and wash it before reuse. YES, Rinse cautiously with water for several 1 ritation persists: Get medical attention. ironment. ainer into safe container in accordance with loc one	e. irritation or rash occurs: Get medica ninutes. Remove contact lenses, if p al, regional or national regulations.		
	Section 3. Composition/infor			
Chemical name (common na		CAS number or other	Concentration (%)	
—	nedi-4,1-cyclohexanediyl)bis-, 1, 1', 4, 4'-	136210-30-5	30-60	
tetraethyl ester				
	Aspartic Acid, N,N'-[methylenebis(2-methyl-4,1-cyclohexanediyl)]bis- 136210-32-7 30-60			
,1,1',4,4'-tetraethyl ester				
Other product 5-10				
* Statement - This safety data	sheet provides concentration range(s) instead of the a considered trade s		for gases/propellants by volume)	



	Section 4. First-aid measures		
Inhalation	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a doctor if you feel unwell.		
Ingestion	IF SWALLOWED: Immediately call a doctor. DO NOT INDUCE VOMITING. NEVER give anything by mouth if victim is		
	rapidly losing consciousness, or is unconscious or convulsing. Rinse mouth thoroughly with water. Have victim drink two glasses		
	of water. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration.		
Skin contact	IF ON SKIN: Wash with plenty of water (15-20 minutes). IF SKIN irritation or rash occurs: Get medical attention. Take of		
Shin contact	contaminated clothing and wash it before reuse.		
Eye contact	IF IN EYES, Rinse cautiously with water for several minutes (15-20 minutes). Remove contact lenses, if present and easy to do.		
Lyc contact	Continue rinsing. If eye irritation persists: Get medical attention.		
Most importan	t symptoms and effects (acute or delayed) Causes skin irritation. Causes serious eye irritation.		
	nmediate medical attention/special treatment In all cases, call a doctor. Do not forget this document.		
indication of in	Section 5. Fire-fighting measures		
Specific bezord	Is of the hazardous product (hazardous combustion products)		
	and other irritant/toxic gases and fumes.		
	nsuitable extinguishing media		
	Use carbon dioxide, chemical powder agent and appropriate foam to extinguish surrounding products.		
	ive equipment and precautions for fire-fighters		
	ritating/toxic smoke and fumes may be generated. Do not enter fire area without proper protection. Firefighters should wear proper		
	ment and self-contained breathing apparatus with full facepiece. Shield personnel to protect from venting, rupturing or bursting cans.		
Move containers	s from fire area if it can be done without risk. Water spray may be useful in cooling equipment and cans exposed to heat and flame.		
	Section 6. Accidental release measures		
Personal preca	utions, protective equipment and emergency procedures		
Restrict access t	o area until completion of clean-up. Ensure clean-up is conducted by trained personnel only. All persons dealing with clean-up should		
	riate protective equipment (See Section 8).		
	naterials for containment and cleaning up		
	f release. Stop the leak if it can be done safely. Contain and absorb any spilled liquid concentrate with inert absorbent material, then		
	nto a container for later disposal (see Section 13). Contaminated absorbent material may pose the same hazards as the spilled product.		
•	priate authorities as required.		
	Section 7. Handling and storage		
Precautions for			
	otective clothing/eye protection/face protection.		
	g, it is very important that engineering controls are operating, and that protective equipment requirements and personal hygiene		
	ing followed. People working with this chemical should be properly trained regarding its hazards and its safe use. Inspect containers		
	e handling. Label containers appropriately. Ensure proper ventilation. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid		
	es, skin and clothing. Keep away from heat, sparks and flame. Avoid generating high concentrations of dusts, vapours or mists. Keep		
	mpatible materials (Section 10). Keep containers closed when not in use. Empty containers are always dangerous. Refer also to		
Section 8.			
	safe storage, including any incompatibilities		
	ventilated place. Keep container tightly closed. Keep cool. Store locked up. Store away from incompatible materials (Section 10).		
-	ming containers to make sure they are properly labelled and not damaged. Storage area should be clearly identified, clear of		
obstruction and	accessible only to trained personnel. Inspect periodically for damage or leaks.		
	Section 8. Exposure controls/Personal protection		
	eters (biological limit values or exposure limit values and source of those values)		
Exposure limits	: DUST ACGIH – TLV-TWA 1 mg/m ³ & PEL-TWA 5 mg/m ³ (respirable fraction) & 15 mg/m ³ (total dust);		
Appropriate en	ngineering controls		
	ventilated conditions. Local exhaust ventilation system is recommended to maintain concentrations of contaminants below exposure		
	hergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.		
	tection measures/personal protective equipment		
	tection is required if the concentrations are higher than the exposure limits. Use a NIOSH approved respirators if the exposure limits		
	hemically protective gloves (impervious), and other protective clothing to prevent prolonged or repeated skin contact, must be worn		
	ing operations. Wear protective chemical splash goggles to prevent mists from entering the eyes. Wash hands/nails/face thoroughly		
	Do not eat, drink or smoke when using this product. Practice good personal hygiene after using this material. Remove and wash		
	ork clothing before re-use.		
Somannialeu W	ork crouning berore re-use.		



Section 9. Physical an	d chemical properties		
Physical state Liquid	pH Not available		
Colour Clear	Kinematic viscosity Not available		
Odour Characteristic	Solubility Not available		
Melting/freezing point Not available	Partition coefficient - n-octanol/water (log) Not available		
Initial boiling point/ initial/range Not available	Vapour pressure Not available		
Flammability Not available	Density/relative density Not available		
Upper and lower flammability/explosive limits Not available			
	Relative vapour density Not available		
Flash point Not available	Particle characteristics Not available VOC Not available		
Auto-ignition temperature Not available Decomposition temperature Not available	VOC Not available Other None known		
Section 10. Stabil			
Reactivity			
Does not react under the recommended storage and handling conditions pre-	scribed		
Chemical stability	senoca.		
Stable under the recommended storage and handling conditions prescribed.			
Possibility of hazardous reactions			
None known			
Conditions to avoid (static discharge, shock or vibration)			
None known			
Incompatible materials			
Oxidizing materials; etc.			
Hazardous decomposition products			
None known			
	locical information		
Section 11. Toxicol			
Information on the likely routes of exposure (inhalation, ingestion, sk			
Causes skin irritation. May cause an allergic skin reaction. Causes serious			
Symptoms related to the physical, chemical and toxicological charact	eristics		
Skin irritation, redness, stinging, pain; Eye irritation, redness, tearing.			
Delayed and immediate effects (chronic effects from short-term and long-term exposure)			
Skin Sensitization – Possible; Respiratory Sensitization – No data available; Germ Cell Mutagenicity – No data available; Carcinogenicity – No ingredient listed by IARC, ACGIH, NTP or OSHA Reproductive Toxicity – No data available; Specific Target Organ Toxicity — Single Exposure			
	sure – No data available; Specific Target Organ Toxicity — Single Exposure sure – No data available; Aspiration Hazard – No data available; Health		
Hazards Not Otherwise Classified – No data available.	sure – No data avanable; Aspiration Hazard – No data avanable; Heatti		
Numerical measures of toxicity (ATE; LD ₅₀ & LC ₅₀) None			
ATE not available in this document.			
	gical information		
Section 12. Ecological information Ecotoxicity (aquatic and terrestrial information) No data available for the product.			
Ecotoxicity (aquatic and terrestrial information) No data available for the product. Persistence and degradability No data available			
Persistence and degradability No data available Bioaccumulative potential No data available			
Mobility in soil No data available Other adverse effects Harmful to aquatic life with long lasting effects.			
Section 13. Disposal considerations			
Information on safe handling for disposal/methods of disposal/contaminated packaging			
Dispose of contents/container into safe container in accordance with local, regional or national regulations.			
Section 14. Transport information			
UN number; Proper shipping name; Class(es); Packing group (PG) of the TDG Regulations			
Not regulated			
UN number; Proper shipping name; Class(es); Packing group (PG) of the IMDG (maritime)			
Not regulated			
UN number; Proper shipping name; Class(es); Packing group (PG) o	f the IATA (air)		
Not regulated			
Special precautions (transport/conveyance) None			
Environmental hazards (IMDG or other) None			



	Section 15. Regulatory information		
Safety/health regulations specificsRefer to Section 2 for the appropriate classification. This product has been classified in accorda			
with the hazard criteria of the Hazardous Products Regulations (HPR).			
Environmental regulations specifics Refer to Section 3 for ingredient(s) of the DSL			
	nvironmental outside regulation		
United States OSHA information: This product is regulated according to OSHA (29 CFR).			
		ency) information: 40 CFR Refer to the ingredients listed in Section 3 & Sections 12; 13 & 14.	
	CSA information: Refer to the ing	redients listed in Section 3.	
	otection Association (NFPA):		
HEALTH: 1		STABILITY: 0 SPECIAL HAZARDS: Refer to Section 2 & 3.	
	LE: $0 = $ Minimal $1 = $ Slight 2		
Proposition 65: 1	No ingredient known to the State	of California to cause cancer or other reproductive harm.	
		Section 16. Other information	
Date of the late	st revision of the safety data she	eet June 06, 2024 version 3 (NSS ENTREPRISE INC.)	
Corrections	New template		
References	Safety Data Sheets from manufacturer/supplier & from Canadian Centre for Occupational Health and Safety, CCOHS.		
Abbreviations			
ACGIH	American Conference of Governmental Industrial Hygienists		
ATE	Acute toxicity estimate		
CAS	Chemical Abstract Service		
DSL	Domestic Substance List		
IARC	International Agency for Research on Cancer		
IATA	International Air Transport Association		
IMDG	International Maritime Dangerous Goods Code		
LC	Lethal concentration		
LD	Lethal Dosage		
NIOSH	National Institute for Occupational Safety and Health		
NTP	National Toxicology Program (U.S.A.)		
OSHA	Occupational Safety and Health Administration (U.S.A.)		
PEL	Permissible Exposure Limit		
STEL	Short-term Exposure Limit		
TDG	Transport of dangerous goods in Canada		
TLV	Threshold Limit Value		
TSCA	Toxic Substances Control Act		
TWA	Time Weighted Average		
WHMIS	Workplace Hazardous Materials Information System		
		warranties of merchantability and fitness for a particular purpose, with respect to the product or information provided herein,	
and shall under no ci	incumstances be nable for incidental or co	onsequential damages. Users are responsible to verify whether the product is suitable for their particular purposes and they	

and shall much no circumstatics be habe for medicinal of consequential damages, esers are responsible to verify whether the product is suitable for medicinal purposes and they assume all risks of their use, handling, and disposal of the product. In order to meet our stringent requirements, we continuously test our coatings and, occasionally, formulations may be modified to improve the properties of the coatings. The information and data appearing in this reference document may not be up to date, despite the reference date.



SAFETY DATA SHEET (SDS)

				ion 1. Identifi	· · ·	
Product identif	ier F4F-8	7 Fast & Slow Cure,				
outer inclition			<u> </u>			
Recommended	use and restri	ictions on use Floo	or coating			
Initial supplier				rland Street B	uilding 5, Lebanon, PA 17042	
		0:717-847-7431				
Emergency tele	phone numbe	er/restriction on use	CHEMT		262 8200	
	F		CHEIMIT	REC® 1-800-2	262-8200	
			Section 2	2. Hazard ide	ntification	
Classification o	f hazardous p	product (name of the c	ategory or	subcategory of	the hazard class)	
Skin irritation (c	ategory 2)					
Eye irritation (ca						
Skin sensitizatio						
Acute toxicity in						
Respiratory sens						
		- Single exposure (Cate				
Information ele	ments (symbol	ols, signal words, haza	ard stateme	ents and precau	tionary statements of the categ	ory/subcategory)
Danger H315 Causes ski	in irritation.					
H319 Causes ser		tion.				
H317 May cause						
H332 Harmful if						
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.						
H335 May cause						
						. P271 Use only outdoors or in a
						Vear protective gloves/protective
SKIN irritation	or rash occurs	: Get medical attentio	n. P362 + P	P364 Take off	contaminated clothing and wash	plenty of water. P333 + P313 IF it before reuse. P304 + P340 IF + P311 If experiencing respiratory
						ove contact lenses, if present and
						in a well-ventilated place. Keep
	closed. P405	Store locked up. P501 I	Dispose of c	contents/contain	er into safe container in accordan	ce with local, regional or national
regulations.						
Other hazards	known No					
~			3. Compos	sition/informa	tion on ingredients	
			CAS number or other	Concentration (%)		
Homopolymer of HDI 28182-81-2 80-100						
Hexamethylene diisocyanate822-06-0<1				_		
* Statement - 7	This safety data	sheet provides concentration			al concentration(s) by weight (except	t for gases/propellants by volume)
				nsidered trade secu 1 4. First-aid r		
Inhalation	IEINHATI	ED: Remove person to			ble for breathing. Call a doctor it	vou feel unwell
Inhalation Ingestion						ye anything by mouth if victim is
Ingestion						ter. Have victim drink two glasses
					rd to reduce risk of aspiration.	ter. Have vietini drink two grasses
Skin contact						: Get medical attention. Take off
Sim contact		ed clothing and wash it			· Sign intration of fash occurs	. Set metrear attention. Take on
Eye contact					(15-20 minutes). Remove contac	t lenses, if present and easy to do.
y = _011400		nsing. If eye irritation				
Most important		nd effects (acute or de			ritation. Causes serious eye irrita	tion.
		lical attention/special			all a doctor. Do not forget this do	
		▲ · · · ·				

Section 5. Fire-fighting measures

Specific hazards of the hazardous product (hazardous combustion products)

Carbon oxides and other irritant/toxic gases and fumes.

Suitable and unsuitable extinguishing media

In case of fire: Use carbon dioxide, chemical powder agent and appropriate foam to extinguish surrounding products.

Special protective equipment and precautions for fire-fighters

During a fire, irritating/toxic smoke and fumes may be generated. Do not enter fire area without proper protection. Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece. Shield personnel to protect from venting, rupturing or bursting cans. Move containers from fire area if it can be done without risk. Water spray may be useful in cooling equipment and cans exposed to heat and flame.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Restrict access to area until completion of clean-up. Ensure clean-up is conducted by trained personnel only. All persons dealing with clean-up should wear the appropriate protective equipment (See Section 8).

Methods and materials for containment and cleaning up

Ventilate area of release. Stop the leak if it can be done safely. Contain and absorb any spilled liquid concentrate with inert absorbent material, then place material into a container for later disposal (see Section 13). Contaminated absorbent material may pose the same hazards as the spilled product. Notify the appropriate authorities as required.

Section 7. Handling and storage

Precautions for safe handling

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

Before handling, it is very important that engineering controls are operating, and that protective equipment requirements and personal hygiene measures are being followed. People working with this chemical should be properly trained regarding its hazards and its safe use. Inspect containers for leaks before handling. Label containers appropriately. Ensure proper ventilation. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with eyes, skin and clothing. Keep away from heat, sparks and flame. Avoid generating high concentrations of dusts, vapours or mists. Keep away from incompatible materials (Section 10). Keep containers closed when not in use. Empty containers are always dangerous. Refer also to Section 8.

Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked up. Store away from incompatible materials (Section 10). Inspect all incoming containers to make sure they are properly labelled and not damaged. Storage area should be clearly identified, clear of obstruction and accessible only to trained personnel. Inspect periodically for damage or leaks.

Section 8. Exposure controls/Personal protection

Control parameters (biological limit values or exposure limit values and source of those values)

Exposure limits: DUST ACGIH – TLV-TWA 1 mg/m³ & PEL-TWA 5 mg/m³ (respirable fraction) & 15 mg/m³ (total dust);

CAS 822-06-0 ACGIH – TLV-TWA 0.005 ppm;

Appropriate engineering controls

Use under well-ventilated conditions. Local exhaust ventilation system is recommended to maintain concentrations of contaminants below exposure limits. Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

Individual protection measures/personal protective equipment

Respiratory protection is required if the concentrations are higher than the exposure limits. Use a NIOSH approved respirators if the exposure limits are unknown. Chemically protective gloves (impervious), and other protective clothing to prevent prolonged or repeated skin contact, must be worn during all handling operations. Wear protective chemical splash goggles to prevent mists from entering the eyes. Wash hands/nails/face thoroughly after handling. Do not eat, drink or smoke when using this product. Practice good personal hygiene after using this material. Remove and wash contaminated work clothing before re-use.

Section 9. Physical and chemical properties				
Physical state Liquid	pH Not available			
Colour Clear	Kinematic viscosity Not available			
Odour Characteristic	Solubility Insoluble			
Melting/freezing point Not available	Partition coefficient - n-octanol/water (log) Not available			
Initial boiling point/ initial/range Not available	Vapour pressure Not available			
Flammability Not available	Density/relative density Not available			
Upper and lower flammability/explosive limits Not available	Relative vapour density Not available			
Flash point Not available	Particle characteristics Not available			
Auto-ignition temperature Not available	VOC Not available			
Decomposition temperature Not available	Other None known			



Section 10. Stability and reactivity		
Reactivity		
Does not react under the recommended storage and handling conditions prescribed.		
Chemical stability		
Stable under the recommended storage and handling conditions prescribed.		
Possibility of hazardous reactions		
None known		
Conditions to avoid (static discharge, shock or vibration)		
None known		
Incompatible materials		
Oxidizing materials; etc.		
Hazardous decomposition products		
None known		
Section 11. Toxicological information		
Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact)		
Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation.		
Symptoms related to the physical, chemical and toxicological characteristics		
Skin irritation, redness, stinging, pain; Eye irritation, redness, tearing; Respiratory tract irritation, coughing, shortness of breath, dizziness, drowsiness, nausea and headaches.		
Delayed and immediate effects (chronic effects from short-term and long-term exposure)		
Skin Sensitization – Possible; Respiratory Sensitization – Possible; Germ Cell Mutagenicity – No data available; Carcinogenicity – No ingredient listed by IARC, ACGIH, NTP or OSHA; Reproductive Toxicity – No data available; Specific Target Organ Toxicity — Single Exposure – Possible; Specific Target Organ Toxicity — Repeated Exposure – No data available; Aspiration Hazard – No data available; Health Hazards Not Otherwise Classified – No data available.		
Numerical measures of toxicity (ATE; LD ₅₀ & LC ₅₀)		
CAS 28182-81-2 LC ₅₀ Inhalation - Rat - 4 h - 400-425 mg/m ³ ; CAS 822-06-0 LC ₅₀ Inhalation - Rat - 4 h - 310-350 mg/m ³ ;		
ATE not available in this document.		
Section 12. Ecological information		
Ecotoxicity (aquatic and terrestrial information) No data available for the product.		
Persistence and degradability No data available		
Bioaccumulative potential No data available		
Mobility in soil No data available		
Other adverse effects No data available		
Section 13. Disposal considerations		
Information on safe handling for disposal/methods of disposal/contaminated packaging		
Dispose of contents/container into safe container in accordance with local, regional or national regulations.		
Section 14. Transport information		
UN number; Proper shipping name; Class(es); Packing group (PG) of the TDG Regulations		
Not regulated		
UN number; Proper shipping name; Class(es); Packing group (PG) of the IMDG (maritime)		
Not regulated		
UN number; Proper shipping name; Class(es); Packing group (PG) of the IATA (air)		
Not regulated		
Special precautions (transport/conveyance) None		
Environmental hazards (IMDG or other) None		
Section 15. Regulatory information		
Safety/health Canadian regulations specificsRefer to Section 2 for the appropriate classification. This product has been classified in accordancewith the hazard criteria of the Hazardous Products Regulations (HPR).		
Environmental Canadian regulations specifics Refer to Section 3 for ingredient(s) of the DSL		
Safety/health/environmental outside regulations specifics		
United States OSHA information: This product is regulated according to OSHA (29 CFR).		
United States EPA (Environmental Protection Agency) information: 40 CFR Refer to the ingredients listed in Section 3 & Sections 12; 13 & 14.		
United States TCSA information: Refer to the ingredients listed in Section 3.		
National Fire Protection Association (NFPA):		
HEALTH: 2 FLAMMABILITY: 1 INSTABILITY: 0 SPECIAL HAZARDS: Refer to Section 2 & 3.		
HAZARD SCALE: $0 = Minimal$ $1 = Slight$ $2 = Moderate$ $3 = Serious$ $4 = Severe$		
Proposition 65: No ingredient known to the State of California to cause cancer or other reproductive harm.		



	Section 16. Other information		
Date of the latest revision of the safety data sheet June 06, 2024 version 4 (NSS ENTREPRISE INC.)			
Corrections	New Template		
References	Safety Data Sheets from manufacturer/supplier & from Canadian Centre for Occupational Health and Safety, CCOHS.		
Abbreviations			
ACGIH	American Conference of Governmental Industrial Hygienists		
ATE	Acute toxicity estimate		
CAS	Chemical Abstract Service		
DSL	Domestic Substance List		
IARC	International Agency for Research on Cancer		
IATA	International Air Transport Association		
IMDG	International Maritime Dangerous Goods Code		
LC	Lethal concentration		
LD	Lethal Dosage		
NIOSH	National Institute for Occupational Safety and Health		
NTP	National Toxicology Program (U.S.A.)		
OSHA	Occupational Safety and Health Administration (U.S.A.)		
PEL	Permissible Exposure Limit		
STEL	Short-term Exposure Limit		
TDG	Transport of dangerous goods in Canada		
TLV	Threshold Limit Value		
TSCA	Toxic Substances Control Act		
TWA	Time Weighted Average		
WHMIS	Workplace Hazardous Materials Information System		
and shall under no c	expressly disclaims all express or implied warranties of merchantability and fitness for a particular purpose, with respect to the product or information provided here incumstances be liable for incidental or consequential damages. Users are responsible to verify whether the product is suitable for their particular purposes and the incumstances are responsible to verify whether the product is suitable for their particular purposes and the meir use, handling, and disposal of the product. In order to meet our stringent requirements, we continuously test our coatings and, occasionally, formulations may		

assume all risks of their use, handling, and disposal of the product. In order to meet our stringent requirements, we continuously test our coatings and, occasionally, formulations may be modified to improve the properties of the coatings. The information and data appearing in this reference document may not be up to date, despite the reference date.