SAFETY DATA SHEET

1. Identification

Product identifier	Expansion Joint Compou	und Resin	
Other means of identification			
SKU#	DM015R, DM016R		
Recommended use	Not available.		
Recommended restrictions	None known.		
Manufacturer/Importer/Supplie	er/Distributor information		
Manufacturer			
Company name	ITW Performance Polymer	s	
Address	130 Commerce Drive		
	Montgomeryville, PA 1893	6	
	United States		
Telephone	Customer Service	215-855-8450	
Website	www.itwperformancepolym	iers.com	
E-mail	Not available.		
Contact person	EHS Department		
Emergency phone number	CHEMTREC	800-424-9300	
	International	703-527-3887	

2. Hazard(s) identification

classified (HNOC)

Supplemental information

Physical hazards	Not classified.	
Health hazards	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2
	Sensitization, skin	Category 1
Environmental hazards	Hazardous to the aquatic environment, acute hazard	Category 2
	Hazardous to the aquatic environment, long-term hazard	Category 2
OSHA defined hazards	Not classified.	
Label elements		
Signal word Hazard statement	Warning Causes skin irritation, May cause an allergic skin reaction. Causes serious eve irritation, Toxic to	
Hazard statement	Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Toxic to aquatic life. Toxic to aquatic life with long lasting effects.	
Precautionary statement		
Prevention	Avoid breathing mist/vapors. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Avoid release to the environment. Wear eye protection/face protection. Wear protective gloves.	
Response	If on skin: Wash with plenty of water. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Collect spillage.	
Storage	Not available.	
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations	
Hazard(s) not otherwise	None known.	

20.01681% of the mixture consists of component(s) of unknown acute oral toxicity.

3. Composition/information on ingredients

Chemical name	Common name and ovnonving	CAS number	%
Chemical hame	Common name and synonyms	CAS number	70
Blocked polyisocyanate		N/A	30 - 60
Talc		14807-96-6	10 - 30
Butyrolactone		96-48-0	5 - 10
Nonylphenol		84852-15-3	1 - <3
Quartz		14808-60-7	0.1 - 1
Titanium Dioxide	TITANIUM DIOXIDE	13463-67-7	0.1 - 1
Other components below reportable levels			1 - 5

4. First-aid measures	
Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Wash contaminated clothing before reuse.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
General information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

5. Fire-fighting measures	
Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist/vapors. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Prevent entry into waterways, sewer, basements or confined areas.
containing up	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.
	Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.
	Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Environmental precautions	Avoid release to the environment. Inf environmental releases. Prevent furth drains, water courses or onto the gro	ner leakage or spillage if safe to	
7. Handling and storage			
Precautions for safe handling	Avoid breathing mist/vapors. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.		
Conditions for safe storage, including any incompatibilities	Store in tightly closed container. Stor SDS).	e away from incompatible mater	ials (see Section 10 of the
8. Exposure controls/pers	sonal protection		
Occupational exposure limits			
At this time, the other constitu	e the only constituents of the product whe lents have no known exposure limits.		
US. OSHA Table Z-1 Permis Components	sible Exposure Limits (PEL) for Air C Type	Contaminants (29 CFR 1910.10 Value	000) Form
Quartz (CAS 14808-60-7)	PEL	0.05 mg/m3	
Titanium Dioxide (CAS 13463-67-7)	PEL	15 mg/m3	Total dust.
US. OSHA Table Z-3 Permis Components	sible Exposure Limits (PEL) for Mine Type	eral Dusts (29 CFR 1910.1000) Value	Form
Quartz (CAS 14808-60-7)	TWA	0.1 mg/m3	Respirable.
		2.4 mppcf	Respirable.
Talc (CAS 14807-96-6)	TWA	0.1 mg/m3	Respirable.
		20 mppcf	
		2.4 mppcf	Respirable.
Titanium Dioxide (CAS 13463-67-7)	TWA	5 mg/m3	Respirable fraction.
,		15 mg/m3	Total dust.
		50 mppcf	Total dust.
		15 mppcf	Respirable fraction.
US. ACGIH Threshold Limit Components	Values (TLV) Type	Value	Form
Quartz (CAS 14808-60-7)	TWA	0.025 mg/m3	Respirable fraction.
Talc (CAS 14807-96-6)	TWA	2 mg/m3	Respirable fraction.
Titanium Dioxide (CAS 13463-67-7)	TWA	2.5 mg/m3	Respirable finescale particles
		0.2 mg/m3	Respirable nanoscale particles
NIOSH. Immediately Dange Components	rous to Life or Health (IDLH) Values, Type	as amended Value	
Talc (CAS 14807-96-6)	IDLH	1000 mg/m3	
Titanium Dioxide (CAS 13463-67-7)	IDLH	5000 mg/m3	
US. NIOSH: Pocket Guide to Components	o Chemical Hazards Recommended E Type	Exposure Limits (REL) Value	Form
Quartz (CAS 14808-60-7)	TWA	0.05 mg/m3	Respirable dust.
Talc (CAS 14807-96-6)	TWA	2 mg/m3	Respirable.
Biological limit values	No biological exposure limits noted for	or the ingredient(s).	
Appropriate engineering controls	Good general ventilation should be u applicable, use process enclosures, l maintain airborne levels below recom established, maintain airborne levels shower.	sed. Ventilation rates should be ocal exhaust ventilation, or othe mended exposure limits. If expo	r engineering controls to osure limits have not been

Individual protection measures, such as personal protective equipment

Eye/face protection	Wear safety glasses with side shields (or goggles). Face shield is recommended.
Skin protection Hand protection	Wear appropriate chemical resistant gloves.
Other	Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.
Respiratory protection Thermal hazards	In case of insufficient ventilation, wear suitable respiratory equipment. Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

9. Physical and chemical properties

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Appearance	Viscous.
Physical state	Liquid.
Form	Liquid.
Color	Red or Gray
Odor	Slight.
Odor threshold	Not available.
рН	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling	>400 °F (>204.44 °C)
range	
Flash point	>400.0 °F (>204.4 °C) Pensky-Martens Closed Cup
Evaporation rate	<1 BuAc
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or exp	
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	16 % estimated
Vapor pressure	3 mm Hg
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Density	10.16 lb/gal
Explosive properties	Not explosive.
Flammability class	Combustible IIIB estimated
Oxidizing properties	Not oxidizing.
Specific gravity	1.22
10. Stability and reactivity	

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Contact with incompatible materials.

Material name: Expansion Joint Compound Resin

DM015R, DM016R Version #: 11 Revision date: 09-02-2024 Issue date: 07-25-2013

11. Toxicological information

Inhalation	Prolonged inhalation may be harmful.
Skin contact	Causes skin irritation. May cause an allergic skin reaction.
Eye contact	Causes serious eye irritation.
Ingestion	Expected to be a low ingestion hazard.
Symptoms related to the physical, chemical and toxicological characteristics	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.

No hazardous decomposition products are known.

Information on toxicological effects

Acute toxicity Not known.			
Components	Species	Test Results	
Butyrolactone (CAS 96-48-0)			
<u>Acute</u>			
Dermal			
LD50	Guinea pig	5640 mg/kg	
Inhalation			
LC50	Rat	> 2680 mg/m3, 4 Hours	
Oral			
LD50	Rat	1540 mg/kg	
Nonylphenol (CAS 84852-15-3)			
<u>Acute</u>			
Dermal			
LD50	Rabbit	2140 mg/kg	
Oral			
LD50	Rat 1600 mg/kg		
Titanium Dioxide (CAS 13463-67	-7)		
Acute			
Dermal			
LD50	Hamster	>= 10000 mg/kg	
Oral			
LD50	Rat	> 10000 mg/kg	
Skin corrosion/irritation	Causes skin irritation.		
Serious eye damage/eye irritation	Causes serious eye irritation.		
Respiratory or skin sensitization	on		
Respiratory sensitization	Not a respiratory sensitizer.		
Skin sensitization	May cause an allergic skin reaction.		
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.		
Carcinogenicity	Risk of cancer cannot be excluded with prolonged exposure.		
IARC Monographs. Overall	Evaluation of Carcinogenicit	у	
Butyrolactone (CAS 96-48-0)		3 Not classifiable as to carcinogenicity to humans.	
Quartz (CAS 14808-60-7) Talc (CAS 14807-96-6)		1 Carcinogenic to humans.	
		2B Possibly carcinogenic to humans. 3 Not classifiable as to carcinogenicity to humans.	
Titanium Dioxide (CAS	13463-67-7)	2B Possibly carcinogenic to humans.	
	ed Substances (29 CFR 1910		
Quartz (CAS 14808-60-	7)	Cancer	
Material name: Expansion Joint Con	npound Resin		SDS US

US. National Toxicology Pro	ogram (NTP) Report on Carcinogens	
Quartz (CAS 14808-60-7)) Known To Be Human Carcinogen.	
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.	
Specific target organ toxicity - single exposure	Not classified.	
Specific target organ toxicity - repeated exposure	Not classified.	
Aspiration hazard	Not an aspiration hazard.	
Chronic effects	Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.	
12. Ecological information	1	
Ecotoxicity	Toxic to aquatic life with long lasting effects.	
Persistence and degradability	No data is available on the degradability of any ingredients in the mixture.	
Bioaccumulative potential		
Partition coefficient n-octan Butyrolactone Nonylphenol	ol / water (log Kow) -0.64 5.71	
Mobility in soil	No data available.	
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.	
13. Disposal consideratio	ns	
Disposal instructions	Dispose of this material and its container to hazardous or special waste collection point. Incinerate the material under controlled conditions in an approved incinerator. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.	
Local disposal regulations	Dispose in accordance with all applicable regulations.	
Hazardous waste code	D018: Waste Benzene The waste code should be assigned in discussion between the user, the producer and the waste disposal company.	
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).	
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.	

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

IAIA	
UN number	UN3082
UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s. (Epoxy Resin:reaction Product Of Bisphenol A And Epichlorohydrin (refer To Epichlorohydrin))
Transport hazard class(es)	
Class	9
Subsidiary hazard	-
Packing group	
Environmental hazards	No.
ERG Code	9L
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Other information	
Passenger and cargo aircraft	Allowed with restrictions.
Cargo aircraft only	Allowed with restrictions.
IMDG	
UN number	UN3082

UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy Resin:reaction Product Of Bisphenol A And Epichlorohydrin (refer To Epichlorohydrin)), MARINE POLLUTANT		
Transport hazard class(es)			
Class	9		
Subsidiary hazard Packing group			
Environmental hazards			
Marine pollutant	Yes		
EmS	F-A, S-F		
	 Read safety instructions, SDS and emergency procedures before handling. 		
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not established.		
IATA; IMDG			
9 9 Marine pollutant			
General information	IMDG Regulated Marine Pollutant.		
15. Regulatory information	n		
US federal regulations	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication		
	Standard, 29 CFR 1910.1200.		
US EPCRA (SARA Title I	III) Section 313 - Toxic Chemical: De minimis concentration		
Nonylphenol (CAS 84	the purposes of supplier notification requirements. % 1.0		
US EPCRA (SARA Title I Nonylphenol (CAS 84	III) Section 313 - Toxic Chemical: Reportable threshold 4852-15-3) LBS 25000		
	III) Section 313 - Toxic Chemical: Listed substance		
Nonylphenol (CAS 84			
Toxic Substances Control A			
	ort Notification (40 CFR 707, Subpt. D)		
Nonylphenol (CAS 84			
Toxic Substances Contr Subpt E)	rol Act (TSCA) Section 5(a)(2) Proposed Significant New Use Rules (SNURs) (40 CFR 721,		
Nonylphenol (CAS 84	4852-15-3) 721.10765		
CERCLA Hazardous Substar	nce List (40 CFR 302.4)		
Not listed.	a notification		
SARA 304 Emergency releas Not regulated.			

OSHA Specifically Regula	ated Substances (29 Cl	FR 1910.1001-1053)		
Quartz (CAS 14808-60	-7)	Cancer lung effects immune syste	em effects	
		kidney effects		
Superfund Amendments and	Reauthorization Act of	1986 (SARA)		
SARA 302 Extremely haza				
Not listed.				
SARA 311/312 Hazardous chemical	Yes			
Classified hazard categories	Skin corrosion or irr Serious eye damag Respiratory or skin	e or eye irritation		
SARA 313 (TRI reporting) Chemical name		CAS number	% by wt.	
1,2,4-trimethylbenzene Benzene Nonylphenol		95-63-6 71-43-2 84852-15-3	0.1 - 1 0 - 0.1 1 - <3	
Other federal regulations				
Clean Air Act (CAA) Secti	on 112 Hazardous Air	Pollutants (HAPs) List		
Not regulated. Clean Air Act (CAA) Secti	on 112(r) Accidental R	elease Prevention (40 C	FR 68.130)	
Not regulated. Safe Drinking Water Act	Contains componer	nt(s) regulated under the S	Safe Drinking Water Act.	
(SDWA)				
Drug Enforcement Ac	Iministration (DEA). Li	st 1 & 2 Exempt Chemic	al Mixtures (21 CFR 1310.	12(c))
Butyrolactone (CA	S 96-48-0)	70 %WV		
DEA Exempt Chemic	al Mixtures Code Num	ber		
Butyrolactone (CA	S 96-48-0)	2011		
US state regulations				
California Proposition 65				
			ng Benzene, which is know	
	California to cause cand to www.P65Warnings.ca		er reproductive harm. For r	nore information go
California Proposition	n 65 - CRT: Listed date	/Carcinogenic substanc	e	
Benzene (CAS 71		Listed: Febru		
CARBON BLACK Quartz (CAS 1480		Listed: Februs Listed: Octob		
Talc (CAS 14807-		Listed: April 1		
Titanium Dioxide (Listed: Septe		
California Proposition	n 65 - CRT: Listed date	/Developmental toxin		
Benzene (CAS 71	,		nber 26, 1997	
Toluene (CAS 108	,	Listed: Janua		
Benzene (CAS 71		Male reproductive toxir	∎ nber 26, 1997	
•	-45-2)	Listed. Decei	TIDET 20, 1997	
International Inventories				
Country(s) or region	Inventory name	of Industrial Observice-1- (On inventory (yes/no)*
Australia	-	y of Industrial Chemicals (AIUI3)	No
Canada	Domestic Substanc	· · · ·		No
Canada		stances List (NDSL)		No
China -	-	g Chemical Substances in	. ,	Yes
Europe	European Inventory Substances (EINEC	v of Existing Commercial C CS)	Chemical	No
E	E			•••

European List of Notified Chemical Substances (ELINCS)

Inventory of Existing and New Chemical Substances (ENCS)

Europe

Japan

No

No

Yes

Country(s) or region	Inventory name	On inventory (yes/no)*
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

product, or the products of other manufacturers in combination with its product, may be used. If the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials		
Version #11HMIS® ratingsHealth: 2 Flammability: 1 Physical hazard: 0NFPA ratingsHealth: 2 Flammability: 1 Instability: 0DisclaimerITW Performance Polymers cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. If the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidant for safe handling, use, processing, storage, transportation, disposal and release.	Issue date	07-25-2013
HMIS® ratingsHealth: 2 Flammability: 1 Physical hazard: 0NFPA ratingsHealth: 2 Flammability: 1 Instability: 0DisclaimerITW Performance Polymers cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials in any process, unless specified in the text. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.	Revision date	09-02-2024
Flammability: 1 Physical hazard: 0NFPA ratingsHealth: 2 Flammability: 1 Instability: 0DisclaimerITW Performance Polymers cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials in any process, unless specified in the text. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.	Version #	11
Flammability: 1 Instability: 0 Disclaimer ITW Performance Polymers cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials in any process, unless specified in the text. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.	HMIS® ratings	Flammability: 1
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Revision information This document has undergone significant changes and should be reviewed in its entirety.	Disclaimer	product, and to assume liability for loss, injury, damage or expense due to improper use. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. The information given is designed only as a guidance
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