SAFETY DATA SHEET

1. Identification		
Product identifier	DEVCON® Aluminum Liquid (F-2) Resin	•
Other means of identification		
SKU#	0103	
Recommended use	Not available.	
Recommended restrictions	None known.	
Manufacturer/Importer/Supplier		
Company name	ITW Performance Polymers	
Address	35 Brownridge Rd	
Address	Unit 1	
	Halton Hills, ON L7G 0C6	
	Halton Hills, ON L/G 000	
Contact person	Customer Service	
Telephone number	978-777-1100	
Fax		
E-mail		
Emergency telephone number	800-424-9300	
Supplier	Not available.	
2. Hazard identification		
Physical hazards	Not classified.	
Health hazards	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2
	Sensitization, skin	Category 1
Environmental hazards	Not classified.	
Label elements		
Signal word	Warning	
Hazard statement	Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation.	
Precautionary statement		
Prevention	Avoid breathing dust/fume/gas/mist/vapours/spray. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. 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.	
Storage	Not available.	
Disposal	Dispose of contents/container in accordance	ce with local/regional/national/international regulations.
Supplemental information	None.	
Other hazards	None known.	

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Aluminum Flake		7429-90-5	30 - 60
Epoxy Resin: reaction product on bisphenol A and epichlorohydrir (refer to epichlorohydrin)		25068-38-6	30 - 60
Calcium carbonate		1317-65-3	10 - 30
Alkyl Glycidyl Ether		68609-97-2	1 - 5
2-Butoxyethanol		111-76-2	< 0.2
Other components below report			1 - <3
All concentrations are in percent by	y weight unless ingredient is a gas. Gas concer	ntrations are in percent by volu	me.
4. First-aid measures			
Inhalation	Move to fresh air. Call a physician if symptom	s develop or persist.	
Skin contact	Remove contaminated clothing immediately a eczema or other skin disorders: Seek medica contaminated clothing before reuse.		
Eye contact	Immediately flush eyes with plenty of water for present and easy to do. Continue rinsing. Get		
Ingestion	Rinse mouth. Get medical attention if sympton	ms occur.	
Most important symptoms/effects, acute and delayed	Severe eye irritation. Symptoms may include vision. Skin irritation. May cause redness and Rash.	stinging, tearing, redness, swe pain. May cause an allergic s	elling, and blurred kin reaction. Dermatitis.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and tre Symptoms may be delayed.	at symptomatically. Keep victi	n under observation.
General information	Ensure that medical personnel are aware of the protect themselves. Wash contaminated clother		ke precautions to
5. Fire-fighting measures			
Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carb	on dioxide (CO2).	
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as th	is will spread the fire.	
Specific hazards arising from the chemical	During fire, gases hazardous to health may be	e formed.	
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full p	rotective clothing must be wor	n in case of fire.
Fire fighting equipment/instructions	Use water spray to cool unopened containers		
Specific methods	Use standard firefighting procedures and con-	sider the hazards of other invo	lved materials.
General fire hazards	No unusual fire or explosion hazards noted.		
6. Accidental release mea	sures		
Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep per appropriate protective equipment and clothing or spilled material unless wearing appropriate Local authorities should be advised if significat protection, see section 8 of the SDS.	during clean-up. Do not touc protective clothing. Ensure a	h damaged containers dequate ventilation.
Methods and materials for containment and cleaning up	Large Spills: Stop the flow of material, if this is with water.	s without risk. Following produ	ct recovery, flush area
	Small Spills: Clean surface thoroughly to rem	ove residual contamination.	
Environmental precautions	Never return spills to original containers for re Avoid discharge into drains, water courses or		section 13 of the SDS.
7. Handling and storage			
Precautions for safe handling	Avoid breathing dust/fume/gas/mist/vapours/s Avoid prolonged exposure. Provide adequate equipment. Observe good industrial hygiene	ventilation. Wear appropriate	

upational exposure limits			
US. ACGIH Threshold Limit Values (TLV)			
Components	Туре	Value	Form
2-Butoxyethanol (CAS 111-76-2)	TWA	20 ppm	
Aluminum Flake (CAS 7429-90-5)	TWA	1 mg/m3	Respirable fraction.
	onal Health & Safety Code, Sc Type	hedule 1, Table 2), as amende Value	d Form
Components 2-Butoxyethanol (CAS	•		
Canada. Alberta OELs (Occupation Components 2-Butoxyethanol (CAS 111-76-2)	Туре	Value	
Components 2-Butoxyethanol (CAS	Туре	Value 97 mg/m3	
Components 2-Butoxyethanol (CAS 111-76-2) Aluminum Flake (CAS	Type TWA	Value 97 mg/m3 20 ppm	Form

Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

Components	Туре	Value	Form
2-Butoxyethanol (CAS 111-76-2)	TWA	20 ppm	
Aluminum Flake (CAS 7429-90-5)	TWA	1 mg/m3	Respirable.
Calcium carbonate (CAS 1317-65-3)	STEL	20 mg/m3	Total dust.
	TWA	3 mg/m3	Respirable fraction.
		10 mg/m3	Total dust.

Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act), as amended

Components	Туре	Value	Form
2-Butoxyethanol (CAS 111-76-2)	TWA	20 ppm	
Aluminum Flake (CAS 7429-90-5)	TWA	1 mg/m3	Respirable fraction.

Canada. New Brunswick OELs: Threshold Limit Values (TLVs) Based on the 1991 and 1997 ACGIH TLVs and BEIs Publication (New Brunswick Regulation 91-191)

Components	Туре	Value	Form
2-Butoxyethanol (CAS 111-76-2)	TWA	121 mg/m3	
		25 ppm	
Aluminum Flake (CAS 7429-90-5)	TWA	5 mg/m3	
		10 mg/m3	Dust.
Calcium carbonate (CAS 1317-65-3)	TWA	3 mg/m3	Respirable.
		10 mg/m3	Inhalable
Canada. Ontario OELs. (Control o	of Exposure to Biological or C	hemical Agents), as amended	
Components	Туре	Value	Form
2-Butoxyethanol (CAS 111-76-2)	TWA	20 ppm	

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ophoric powder.	
ed to conditions. If eering controls to mits have not been sh station and safet	
nded.	
recommended.	
andling the material	
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 th workplace.	

Odour

Odour threshold

Slight.

Not available.

рН	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	320 °C (608 °F) estimated
Flash point	>204.4 °C (>399.9 °F)
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or exp	plosive limits
Explosive limit - lower (%)	Not available.
Explosive limit – upper (%)	Not available.
Vapour pressure	Not available.
Vapour 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	1.93 g/cm3 estimated
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.
Specific gravity	1.93 estimated
10. Stability and reactivity	/

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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.
Incompatible materials	Strong oxidising agents.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of e	exposure
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.
Information on toxicological eff	ects
A outo toxicity	Not known

Acute toxicity	Not known.
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/eye irritation	Causes serious eye irritation.

Respiratory or skin sensitisatio			
Canada - Alberta OELs: Irri			
2-Butoxyethanol (CAS 1 Aluminum Flake (CAS 7 Calcium carbonate (CAS	429-90-5)	Irritant Irritant Irritant	
Respiratory sensitisation	Not a respiratory sensitiser.		
Skin sensitisation	May cause an allergic skin rea	action	
Germ cell mutagenicity	, 0	product or any components present at greater than 0.1% are	
g	mutagenic or genotoxic.		
Carcinogenicity			
ACGIH Carcinogens			
2-Butoxyethanol (CAS 1		A3 Confirmed animal carcinogen with unknown relevance to humans.	
Aluminum Flake (CAS 74	,	A4 Not classifiable as a human carcinogen.	
Canada - Manitoba OELs: o	• •		
2-Butoxyethanol (CAS 111-76-2) Aluminum Flake (CAS 7429-90-5)		Confirmed animal carcinogen with unknown relevance to humans. Not classifiable as a human carcinogen.	
Canada - Quebec OELs: Ca	,		
2-Butoxyethanol (CAS 1 IARC Monographs. Overall	11-76-2) Evaluation of Carcinogenicity	Detected carcinogenic effect in animals.	
2-Butoxyethanol (CAS 1		3 Not classifiable as to carcinogenicity to humans.	
Reproductive toxicity	This product is not expected t	o 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.		
12. Ecological informatio	n		
Ecotoxicity	The product is not classified a possibility that large or freque	as environmentally hazardous. However, this does not exclude the nt spills can have a harmful or damaging effect on the environment.	
Persistence and degradability	No data is available on the degradability of any ingredients in the mixture.		
Bioaccumulative potential			
Partition coefficient n-octai	nol / water (log Kow)		
2-Butoxyethanol		0.83	
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 consideration	13. Disposal considerations		
Disposal instructions		e in sealed containers at licensed waste disposal site. Dispose of nce with local/regional/national/international regulations.	
Local disposal regulations	Dispose in accordance with a		
Local disposal regulations Hazardous waste code	Dispose in accordance with a		
	Dispose in accordance with a The waste code should be as disposal company. Dispose of in accordance with	Il applicable regulations.	
Hazardous waste code Waste from residues / unused	Dispose in accordance with a The waste code should be as disposal company. Dispose of in accordance with product residues. This materia Disposal instructions). Since emptied containers may	Il applicable regulations. signed in discussion between the user, the producer and the waste n local regulations. Empty containers or liners may retain some	
Hazardous waste code Waste from residues / unused products Contaminated packaging	Dispose in accordance with a The waste code should be as disposal company. Dispose of in accordance with product residues. This materia Disposal instructions). Since emptied containers may emptied. Empty containers should	Il applicable regulations. signed in discussion between the user, the producer and the waste n local regulations. Empty containers or liners may retain some al and its container must be disposed of in a safe manner (see: y retain product residue, follow label warnings even after container is	
Hazardous waste code Waste from residues / unused products	Dispose in accordance with a The waste code should be as disposal company. Dispose of in accordance with product residues. This materia Disposal instructions). Since emptied containers may emptied. Empty containers should	Il applicable regulations. signed in discussion between the user, the producer and the waste n local regulations. Empty containers or liners may retain some al and its container must be disposed of in a safe manner (see: y retain product residue, follow label warnings even after container is	

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Not applicable. Annex II of MARPOL 73/78 and

the IBC Code

15. Regulatory informatio		
Canadian regulations	This product has been classified in accordance with the hazard crite contains all the information required by the HPR.	ria of the HPR and the SDS
Controlled Drugs and Subs	tances Act	
Not regulated.		
Export Control List (CEPA	1999, Schedule 3)	
Not listed. Greenhouse Gases		
Not listed.		
	Toxic Reduction Act, 2009. Regulation 455/09 (July 1, 2011)	
Aluminum Flake (CAS 74 Precursor Control Regulation		
Not regulated.		
International regulations		
Stockholm Convention		
Not applicable. Rotterdam Convention		
Not applicable.		
Kyoto Protocol		
Not applicable. Montreal Protocol		
Not applicable.		
Basel Convention		
Not applicable.		
International Inventories		
Country(s) or region	Inventory name	On inventory (yes/no)
Australia	Australian Inventory of Industrial Chemicals (AICIS)	Ye
Canada	Domestic Substances List (DSL)	N
Canada	Non-Domestic Substances List (NDSL)	Ye
China	Inventory of Existing Chemical Substances in China (IECSC)	Ye
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	N
Europe	European List of Notified Chemical Substances (ELINCS)	N
Japan	Inventory of Existing and New Chemical Substances (ENCS)	N
Korea	Existing Chemicals List (ECL)	Ye
New Zealand	New Zealand Inventory	Ye
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Ye
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Ye
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Ye
	nents of this product comply with the inventory requirements administered by the components of the product are not listed or exempt from listing on the invento	

16. Other informatio	n	
Issue date	29-May-2019	
Revision date	26-July-2023	

Version No.

Disclaimer

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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 is 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 or 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.