

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Chemical Name	Phenol, polymer with formaldehyde, glycidyl ether
Trade Name	YDF 170
CAS No.	28064-14-4

Relevant identified uses of the substance or mixture and uses advised against

Identified Use(s)	Resin for coatings and composites
Uses Advised Against	None

Details of the supplier of the safety data sheet

Company Identification	Everchem Specialty Chemicals 1400 N Providence Road, Suite 302 Media, PA 19063 United States of America
Telephone	(484) 234-5030; M-F 8:00 AM-5:30 PM EST

Emergency telephone number

Emergency Phone No.	Transportation Emergency: CHEMTREC® 24 hr. 1-800-424-9300 / 1 (703) 527-3887 (Collect calls accepted); Customer No. 8079
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SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

OSHA HCS (29 CFR 1910.1200)	Skin Irrit. 2; Skin Sens. 1; Eye Irrit. 2; Aquatic Acute 2; Aquatic Chronic 2
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Label elements

Hazard Symbol(s)



WARNING

Signal Word(s)

Hazard Statement(s)

H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H411: Toxic to aquatic life with long lasting effects.

Precautionary Statement(s)

P280: Wear protective gloves/protective clothing/eye protection/face protection.
P264: Wash hands and exposed skin thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P272: Contaminated work clothing should not be allowed out of the workplace.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P315: Get immediate medical advice/attention.
P302+P352: IF ON SKIN: Wash with plenty of water. P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P501: Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

Other hazards

None

Additional Information

None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Composition/information on ingredients	%W/W	CAS No.
Phenol, polymer with formaldehyde, glycidyl ether	100	28064-14-4

Additional Information - Substances in the product which may present a health or environmental hazard, or which have been assigned occupational exposure limits, are detailed below.:

SECTION 4: FIRST AID MEASURES



Description of first aid measures

Inhalation	Move person to fresh air. Treat symptomatically. If breathing is labored, administer oxygen. Seek medical treatment when anyone has symptoms apparently due to inhalation.
Skin Contact	Wash affected skin with plenty of water. If irritation (redness, rash, blistering) develops, get medical attention. Wash contaminated clothing before reuse.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion	Call a physician (or poison control centre immediately). Do not give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

May produce an allergic reaction in persons already sensitized.

Indication of any immediate medical attention and special treatment needed

None

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

- Suitable Extinguishing Media
- Unsuitable Extinguishing Media

Extinguish with carbon dioxide, dry chemical, foam or water spray. None anticipated.

Special hazards arising from the substance or mixture

Combustion or thermal decomposition will evolve toxic and irritant vapors.

Advice for fire-fighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Put on protective equipment before entering danger area. Ensure suitable personal protection (including respiratory protection) during removal of spillages. Skin contact must be avoided. Avoid breathing dust/fume/gas/mist/vapors/spray.

Environmental precautions

Contain spillages with sand, earth or any suitable adsorbent material. Do not allow to enter drains, sewers or watercourses.

Methods and material for containment and cleaning up

Transfer to a container for disposal or recovery. Wash the spillage area with water. If possible prevent water running into sewers.

Reference to other sections

None

Additional Information

None

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Wear protective gloves/protective clothing/eye protection/face protection. Wash hands and exposed skin after use. Contaminated work clothing should not be allowed out of the workplace.

Conditions for safe storage, including any incompatibilities

- Storage temperature Store at ambient temperature.
- Incompatible materials Not available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Occupational Exposure Limits

SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)		STEL (ppm)		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
None	-----	-----	-----	-----	-----	-----

- LTEL: Long Term Exposure Limit; STEL: Short Term Exposure Limit.

Exposure controls

Appropriate engineering controls

Provide adequate ventilation to avoid build up of vapours.

Personal protection equipment

Eye/face protection

Wear protective eyewear (goggles, face shield, or safety glasses).



Skin protection (Hand protection/ Other)

Gloves (Neoprene or Butyl rubber). Check with protective equipment manufacturer's data.



Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. Check with protective equipment manufacturer's data.



Thermal hazards

Not normally required.

Environmental Exposure Controls

Do not allow to enter drains, sewers or watercourses.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Liquid
Color.	Yellowish.
Odor	Not available.
Odor Threshold (ppm)	Not available.
pH (Value)	Not available.

Melting Point (°C) / Freezing Point (°C)	Not available.
Boiling point/boiling range (°C):	>200 (>392 °F)
Flash Point (°C)	>150 °C (>302 °F)
Evaporation Rate	Not available.
Flammability (solid, gas)	Not applicable.
Explosive Limit Ranges	Not available.
Vapour pressure (Pascal)	82 (0.615 mmHg) @ 20 °C
Vapour Density (Air=1)	Not available.
Density (g/ml)	1.17 (9.764 lbs/gal)
Solubility (Water)	Insoluble.
Solubility (Other)	Not available.
Partition Coefficient (n-Octanol/water)	Not available.
Auto Ignition Point (°C)	>300 (>572 °F)
Decomposition Temperature (°C)	Not available.
Kinematic Viscosity (cSt) @ 40°C	Not available.
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.

Other information

Not available.

SECTION 10: STABILITY AND REACTIVITY

Reactivity	No hazardous reactions known if used for its intended purpose.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	None anticipated.
Conditions to avoid	Incompatible materials
Incompatible materials	Keep away from acids and alkalis.
Hazardous decomposition product(s)	Carbon monoxide, Carbon dioxide, Oxides of nitrogen, Acrid smoke.

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes: Inhalation, Skin Contact, Eye Contact

Information on toxicological effects:

Acute toxicity	Oral: LD50 >2000 mg/kg (rat) Dermal: LD50 >2000 mg/kg (rat)
Irritation / Corrosivity	Causes skin irritation. Causes serious eye irritation.
Sensitization	May cause an allergic skin reaction.
Repeated dose toxicity	Not to be expected.
Mutagenicity	Not to be expected.
Carcinogenicity	No data.

NTP	IARC	ACGIH	OSHA
No.	No.	No.	No.

Toxicity for reproduction	Not to be expected.
Other information	None known.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

Acute toxicity (estimated)	EC50 (48 hour): 1 - 10 mg/L (Daphnia magna)
Long Term Toxicity	Not available.
Persistence and degradability	Not readily biodegradable.
Bioaccumulative potential	The substance has low potential for bioaccumulation.
Mobility in soil	The substance has low mobility in soil.
Results of PBT and vPvB assessment	Not classified as PBT or vPvB.

Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

Additional Information

None known.

SECTION 14: TRANSPORT INFORMATION

	Land transport (U.S. DOT)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN number		UN 3082	UN 3082
Proper Shipping Name	Not classified as dangerous for transport. *	Environmentally hazardous substance, liquid, n.o.s. (Phenol, polymer with formaldehyde, glycidyl ether)	
Transport hazard class(es)		9	9
Packing group		III	III
Environmental hazards		Yes.	Yes.
Marine Pollutant		Yes.	Yes.
Special precautions for user		None assigned.	None assigned.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

*May be shipped as UN3082, Environmentally hazardous substance, n.o.s. (Bisphenol-A-(epichlorohydrin) epoxy resin), 9, III

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

TSCA (Toxic Substance Control Act) - Inventory Status: All components listed and active, or exempt.

Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)
None	----	----	----

SARA 311/312 - Hazard Categories: Refer to SECTION 2 – HAZARDS IDENTIFICATION

SARA 313 - Toxic Chemicals (40 CFR 372):

Chemical Name	CAS No.	Typical %wt.
None	----	----

SARA 302 - Extremely Hazardous Substances(40 CFR 355):

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)	TPQ (Pounds)
None	----	----	----	----

Proposition 65 (California): Not listed

NFPA (National Fire Protection Association) Rating:



SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

Date of preparation: April 25, 2021

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