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#### **SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Material name : ZEP FORMULA 1365

Material number : 00000000000222235

Manufacturer or supplier's details

Company : Zep Inc.

Address : 350 Joe Frank Harris Parkway, SE

Emerson, GA 30137

Telephone : Compliance Services - 877-428-9937

## **Emergency telephone numbers**

For SDS Information : Compliance Services - 877-428-9937

For a Medical Emergency : 877-541-2016 Toll Free - All Calls Recorded

For a Transportation : CHEMTREC: 800-424-9300 - All Calls Recorded.

Emergency In the District of Columbia 202-483-7616

## Recommended use of the chemical and restrictions on use

Restrictions on use : This chemical/product is not and cannot be distributed in

commerce (as defined in TSCA section 3(5)) or processed (as defined in TSCA section 3(13)) for consumer paint or coating

removal.

## **SECTION 2. HAZARDS IDENTIFICATION**

## **Emergency Overview**

Appearance	liquid
Colour	amber
Odour	strong, solvent-like, hydrocarbon-like

#### **GHS Classification**

Acute toxicity (Oral) : Category 4 Acute toxicity (Inhalation) : Category 4 Acute toxicity (Dermal) : Category 4 Skin corrosion : Category 1A Serious eye damage : Category 1 Germ cell mutagenicity : Category 2 Carcinogenicity : Category 1B Specific target organ toxicity -: Category 2

single exposure

Specific target organ toxicity -

cicity - : Category 3 (Respiratory system, Central nervous system)

single exposure

Specific target organ toxicity - :

: Category 2

repeated exposure

## **GHS** label elements

Signal word

Hazard statements

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Hazard pictograms







Health hazard

Corrosion

: Danger

: H302 + H312 + H332 Harmful if swallowed, in contact with skin

or if inhaled.

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness. H341 Suspected of causing genetic defects.

H350 May cause cancer.

H371 May cause damage to organs.

H373 May cause damage to organs through prolonged or

repeated exposure.

Precautionary statements

## Prevention:

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.

P264 Wash skin thoroughly after handling.

P270 Do not eat, drink or smoke when using this product. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/ protective clothing/ eye

protection/ face protection.

#### Response:

P301 + P312 + P330 IF SWALLOWED: Call a POISON

CENTER/doctor if you feel unwell. Rinse mouth.

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304 + P340 + P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

P308 + P311 IF exposed or concerned: Call a POISON CENTER/doctor.

P308 + P313 IF exposed or concerned: Get medical advice/ attention.

P363 Wash contaminated clothing before reuse.

#### Storage:

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

## Disposal:

P501 Dispose of contents/container in accordance with local regulation.

#### **SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture Mixture

## **Hazardous components**

Chemical name	CAS-No.	Concentration [%]
dichloromethane	75-09-2	>= 50 - < 70
phenol	108-95-2	>= 10 - < 20
formic acid	64-18-6	>= 5 - < 10
Benzenesulfonic acid, C10-16-alkyl derivs.	68584-22-5	>= 3 - < 5
Alcohols, C9-11, ethoxylated	68439-46-3	>= 1 - < 3
Solvent naphtha (petroleum), heavy arom.	64742-94-5	>= 1 - < 3

The exact percentages of disclosed substances are withheld as trade secrets.

#### **SECTION 4. FIRST AID MEASURES**

General advice : Move out of dangerous area.

Show this safety data sheet to the doctor in attendance.

Do not leave the victim unattended.

If inhaled : Consult a physician after significant exposure.

If unconscious, place in recovery position and seek medical

advice.

In case of skin contact : If skin irritation persists, call a physician.

Wash off immediately with plenty of water for at least 15

Remove contaminated clothing and shoes. Wash contaminated clothing before reuse.

In case of eye contact : Remove contact lenses.

Protect unharmed eye.

Keep eye wide open while rinsing.

If eye irritation persists, consult a specialist.

Rinse immediately with plenty of water for at least 15 minutes.

If swallowed Keep respiratory tract clear.

Never give anything by mouth to an unconscious person.

If symptoms persist, call a physician.

DO NOT induce vomiting unless directed to do so by a

physician or poison control center. Take victim immediately to hospital.

Most important symptoms and effects, both acute and delayed

: Effects are dependent on exposure (dose, concentration,

contact time). Effects are immediate and delayed.

Chronic effects are delayed and symptoms may not be

observed during an exposure.

Symptoms may include blistering, irritation, burns, and pain. Symptoms of overexposure may include disorientation; dizziness; and confusion. May progress to unconsciousness,

paralysis, and convulsions.

> Acute specific target organ toxicity effects will differ depending on mode of exposure (oral, dermal, and inhalation), the organs and systems affected, and any preexisting medical conditions. Symptoms may include respiratory difficulty, abdominal pain, headache, dizziness, drowsiness, vomiting, central nervous system depression, blurred vision, seizures. and unconsciousness - potentially life threatening.

Symptoms may include central nervous system depression.

resulting in headache, nausea and/or dizziness.

Symptoms may include shortness of breath, dry cough, and

irritation of the nose, eyes, lips, mouth, and throat. Symptoms may differ depending on organs and systems affected. These effects generally are reflected in reduced function or change, which may include cramping, swelling,

respiratory issues, and general pain.

Harmful if swallowed, in contact with skin or if inhaled.

Causes severe skin burns and eye damage.

May cause damage to organs.

May cause cancer.

Review section 2 of SDS to see all potential hazards.

Suspected of causing genetic defects. May cause respiratory irritation. May cause drowsiness or dizziness.

May cause damage to organs through prolonged or repeated

exposure.

Notes to physician : Treat symptomatically. Symptoms may be delayed.

#### **SECTION 5. FIREFIGHTING MEASURES**

Suitable extinguishing media : Alcohol-resistant foam

Carbon dioxide (CO2)

Dry chemical Water spray jet

Unsuitable extinguishing

media

: High volume water jet

Specific hazards during

firefighting

: Do not allow run-off from fire fighting to enter drains or water

courses.

Hazardous combustion

products

: Carbon dioxide (CO2)

Carbon monoxide

Smoke

Chlorine compounds Sulphur oxides

phosgene

Specific extinguishing

methods

: Use extinguishing measures that are appropriate to local

circumstances and the surrounding environment.

Further information : Collect contaminated fire extinguishing water separately. This

must not be discharged into drains.

Fire residues and contaminated fire extinguishing water must

be disposed of in accordance with local regulations.

Special protective equipment

for firefighters

: Wear self-contained breathing apparatus for firefighting if

necessary.

#### **SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures Environmental precautions : Use personal protective equipment. Evacuate personnel to safe areas.

: Prevent product from entering drains.

Prevent further leakage or spillage if safe to do so.

If the product contaminates rivers and lakes or drains, inform

respective authorities.

Methods and materials for containment and cleaning up

: Soak up with inert absorbent material (e.g. sand, silica gel,

acid binder, universal binder, sawdust).

Sweep up or vacuum up spillage and collect in suitable

container for disposal.

#### **SECTION 7. HANDLING AND STORAGE**

Advice on safe handling : Do not breathe vapours or spray mist.

Avoid exposure - obtain special instructions before use.

Avoid contact with skin and eyes. For personal protection see section 8.

Smoking, eating and drinking should be prohibited in the

application area.

Provide sufficient air exchange and/or exhaust in work rooms. Dispose of rinse water in accordance with local and national

regulations.

Conditions for safe storage : No smoking.

Keep container tightly closed in a dry and well-ventilated

place.

Observe label precautions.

Electrical installations / working materials must comply with

the technological safety standards.

Materials to avoid : Oxidizing agents

Keep away from metals.

Store and keep away from bases and alkalies.

#### **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

## Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
dichloromethane	75-09-2	TWA	50 ppm	ACGIH
		PEL	25 ppm	OSHA CARC

		STEL	125 ppm	OSHA CARC
		PEL	25 ppm 87 mg/m3	CAL PEL
		STEL	125 ppm 435 mg/m3	CAL PEL
phenol	108-95-2	TWA	5 ppm	ACGIH
		TWA	5 ppm 19 mg/m3	NIOSH REL
		С	15.6 ppm 60 mg/m3	NIOSH REL
		TWA	5 ppm 19 mg/m3	OSHA Z-1
		TWA	5 ppm 19 mg/m3	OSHA P0
		PEL	5 ppm 19 mg/m3	CAL PEL
formic acid	64-18-6	TWA	5 ppm	ACGIH
		STEL	10 ppm	ACGIH
		TWA	5 ppm 9 mg/m3	NIOSH REL
		TWA	5 ppm 9 mg/m3	OSHA Z-1
		TWA	5 ppm 9 mg/m3	OSHA P0
		PEL	5 ppm 9 mg/m3	CAL PEL
		STEL	10 ppm 19 mg/m3	CAL PEL

## **Biological occupational exposure limits**

Component	CAS-No.	Control	Biological	Sampling	Permissible	Basis
		parameters	specimen	time	concentration	
DICHLOROMETHANE	75-09-2	Dichloromet	Urine	End of	0.3 mg/l	ACGIH BEI
		hane		shift (As		
				soon as		
				possible		
				after		
				exposure		
				ceases)		
PHENOL	108-95-2	Phenol	Urine	End of	250.mg/g	ACGIH BEI
				shift (As	Creatinine	
				soon as		
				possible		
				after		
				exposure		
				ceases)		

**Engineering measures** : effective ventilation in all processing areas

## Personal protective equipment

Respiratory protection : Use respiratory protection unless adequate local exhaust

ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

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Hand protection

Material : Protective gloves

Remarks : The suitability for a specific workplace should be discussed

with the producers of the protective gloves.

Eye protection : Ensure that eyewash stations and safety showers are close to

the workstation location. Tightly fitting safety goggles

Wear face-shield and protective suit for abnormal processing

problems.

Skin and body protection : Impervious clothing

Choose body protection according to the amount and

concentration of the dangerous substance at the work place.

Hygiene measures : When using do not eat or drink.

When using do not smoke.

Wash hands before breaks and at the end of workday.

#### **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : liquid

Colour : amber

Odour : strong, solvent-like, hydrocarbon-like

Odour Threshold : No data available pH : Not applicable

Melting point/freezing point : No data available

Boiling point : 42.78 °C

Flash point :

does not flash

Evaporation rate : not determined

Upper explosion limit : 23 %(V)

Lower explosion limit : 12 %(V)

Vapour pressure : 272 hPa

Relative vapour density : No data available

Density : 1.19 g/cm3

Bulk density : No data available

Solubility(ies)

Water solubility : insoluble
Solubility in other solvents : insoluble

Partition coefficient: n-

octanol/water

: No data available

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Auto-ignition temperature : No data available
Thermal decomposition : No data available

Viscosity

Viscosity, dynamic : No data available Viscosity, kinematic : No data available

#### **SECTION 10. STABILITY AND REACTIVITY**

Reactivity : Stable

Chemical stability : Stable under normal conditions.

Possibility of hazardous

reactions

: No decomposition if stored and applied as directed.

Conditions to avoid : Extremes of temperature and direct sunlight.

Incompatible materials : Oxidizing agents

Bases Metals

Hazardous decomposition

products

Carbon oxides Phosgene

Hydrogen chloride gas

#### **SECTION 11. TOXICOLOGICAL INFORMATION**

#### **Potential Health Effects**

Aggravated Medical

Condition

Symptoms of Overexposure

: None known.

: Effects are dependent on exposure (dose, concentration,

contact time).

Effects are immediate and delayed.

Chronic effects are delayed and symptoms may not be

observed during an exposure.

Symptoms may include blistering, irritation, burns, and pain. Symptoms of overexposure may include disorientation; dizziness; and confusion. May progress to unconsciousness,

paralysis, and convulsions.

Acute specific target organ toxicity effects will differ depending on mode of exposure (oral, dermal, and inhalation), the organs and systems affected, and any preexisting medical conditions. Symptoms may include respiratory difficulty, abdominal pain, headache, dizziness, drowsiness, vomiting, central nervous system depression, blurred vision, seizures,

and unconsciousness - potentially life threatening.

Symptoms may include central nervous system depression,

resulting in headache, nausea and/or dizziness.

Symptoms may include shortness of breath, dry cough, and

irritation of the nose, eyes, lips, mouth, and throat. Symptoms may differ depending on organs and systems affected. These effects generally are reflected in reduced function or change, which may include cramping, swelling,

respiratory issues, and general pain.

Harmful if swallowed, in contact with skin or if inhaled.

Causes severe skin burns and eye damage.

May cause damage to organs.

May cause cancer.

Review section 2 of SDS to see all potential hazards.

Suspected of causing genetic defects. May cause respiratory irritation. May cause drowsiness or dizziness.

May cause damage to organs through prolonged or repeated

exposure.

Treat symptomatically. Symptoms may be delayed.

Carcinogenicity:

IARC Group 2A: Probably carcinogenic to humans

dichloromethane 75-09-2

**ACGIH** Group 2B: Possibly carcinogenic to humans

dichloromethane 75-09-2

Confirmed animal carcinogen with unknown relevance to

humans

OSHA specifically regulated carcinogen

dichloromethane 75-09-2

NTP Reasonably anticipated to be a human carcinogen

dichloromethane 75-09-2

**Acute toxicity** 

**Product:** 

Acute oral toxicity : Acute toxicity estimate : 380.2 mg/kg

Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate : 10.97 mg/l

Exposure time: 4 h
Test atmosphere: vapour
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate : 1,584 mg/kg

Method: Calculation method

**Components:** 

Alcohols, C9-11, ethoxylated:

Acute oral toxicity : LD50 Oral Rat: 1,400 mg/kg

Skin corrosion/irritation

## **Product:**

Remarks: Extremely corrosive and destructive to tissue.

## Serious eye damage/eye irritation

#### **Product:**

Remarks: May cause irreversible eye damage.

## Respiratory or skin sensitisation

No data available

#### Germ cell mutagenicity

No data available

## Carcinogenicity

No data available

## Reproductive toxicity

No data available

## STOT - single exposure

No data available

#### STOT - repeated exposure

No data available

## **Aspiration toxicity**

No data available

### **SECTION 12. ECOLOGICAL INFORMATION**

#### **Ecotoxicity**

No data available

## Persistence and degradability

No data available

## **Bioaccumulative potential**

#### **Product:**

Partition coefficient: n- : Remarks: No data available

octanol/water Components: phenol:

Partition coefficient: n- : log Pow: 1.46

octanol/water

**Solvent naphtha (petroleum), heavy arom. :** Partition coefficient: n- : log Pow: 4.2

octanol/water

Mobility in soil

No data available

Other adverse effects

No data available

Product:

Regulation 40 CFR Protection of Environment; Part 82 Protection of

Stratospheric Ozone - CAA Section 602 Class I

Substances

Remarks This product neither contains, nor was manufactured

with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A

+ B).

Additional ecological

information

: An environmental hazard cannot be excluded in the

event of unprofessional handling or disposal., Harmful to

aquatic life.

#### **SECTION 13. DISPOSAL CONSIDERATIONS**

**Disposal methods** 

Waste from residues : Dispose of in accordance with local regulations.

Do not contaminate ponds, waterways or ditches with

chemical or used container.

The product should not be allowed to enter drains, water

courses or the soil.

Do not dispose of waste into sewer.

Contaminated packaging : Empty remaining contents.

Dispose of as unused product. Do not re-use empty containers.

## **SECTION 14. TRANSPORT INFORMATION**

Transportation Regulation: 49 CFR (USA):

UN2922, Corrosive liquids, toxic, n.o.s., (PHENOL, FORMIC ACID), 8, (6.1), II

Transportation Regulation: IMDG (Vessel):

UN2922, CORROSIVE LIQUID, TOXIC, N.O.S., (PHENOL, FORMIC ACID), 8, (6.1), II

Transportation Regulation: IATA (Cargo Air):

UN2922, Corrosive liquid, toxic, n.o.s., (PHENOL, FORMIC ACID), 8, (6.1), II

Transportation Regulation: IATA (Passenger Air):

UN2922, Corrosive liquid, toxic, n.o.s., (PHENOL, FORMIC ACID), 8, (6.1), II

Transportation Regulation: TDG (Canada):

UN2922, CORROSIVE LIQUID, TOXIC, N.O.S., (PHENOL, FORMIC ACID), 8, (6.1), II

The product as delivered to the customer conforms to packaging requirements for shipment by road under US Department of Transportation (DOT) regulations. Additional transportation classifications noted above are for reference only, and not a certification or warranty of the suitability of the packaging for shipment under these alternative transport regulations.

#### **SECTION 15. REGULATORY INFORMATION**

**TSCA list** : No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification

requirements.

This chemical/product is not and cannot be distributed in commerce (as defined in TSCA section 3(5)) or processed (as defined in TSCA section 3(13)) for consumer paint or coating

removal.

## **EPCRA - Emergency Planning and Community Right-to-Know Act**

## **CERCLA Reportable Quantity**

Components	CAS-No.	•	Calculated product RQ
		(lbs)	(lbs)
dichloromethane	75-09-2	1000	1647

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
phenol	108-95-2	1000	*

<sup>\*:</sup> Calculated RQ exceeds reasonably attainable upper limit.

SARA 311/312 Hazards : Acute toxicity (any route of exposure)

Skin corrosion or irritation

Serious eye damage or eye irritation

Germ cell mutagenicity

Carcinogenicity

Specific target organ toxicity (single or repeated exposure)

SARA 302 : The following components are subject to reporting levels

established by SARA Title III, Section 302:

phenol 108-95-2 18.9495 %

SARA 313 : The following components are subject to reporting levels

established by SARA Title III, Section 313:

 dichloromethane
 75-09-2
 60.6844 %

 phenol
 108-95-2
 18.9495 %

 formic acid
 64-18-6
 8.4063 %

## California Prop. 65



WARNING: This product can expose you to chemicals including dichloromethane, which is/are known to the State of California to cause cancer, and sulphur dioxide, which is/are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

## The components of this product are reported in the following inventories:

**DSL** All components of this product are on the Canadian DSL

TSCA On TSCA Inventory

For information on the country notification status for other regions please contact the manufacturer's regulatory group.

## **Inventory Acronym and Validity Area Legend:**

TSCA (USA), DSL (Canada), NDSL (Canada)

## **SECTION 16. OTHER INFORMATION**

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#### **Further information**

#### NFPA:

HEALTH	3
FLAMMABILITY	0
INSTABILITY	0
SPECIAL HAZARD.	

0 = not significant, 1 = Slight,

2 = Moderate, 3 = High

4 = Extreme

#### HMIS III:

HEALTH	3*
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,

2 = Moderate, 3 = High

4 = Extreme, \* = Chronic

#### **OSHA - GHS Label Information:**

Hazard pictograms



Health hazard



Corrosion



Signal word

Hazard statements

Harmful if swallowed, in contact with skin or if inhaled. Causes severe skin burns and eye damage. May cause respiratory irritation. May cause drowsiness or dizziness. Suspected of causing genetic defects. May cause cancer. May cause damage to organs. May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe dust/ fume/ gas/ mist/ vapours/ spray. Wash skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective

gloves/ protective clothing/ eye protection/ face protection.

Response: IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately

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call a POISON CENTER/doctor. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. IF exposed or concerned: Call a POISON CENTER/doctor. IF exposed or concerned: Get medical advice/ attention. Wash contaminated clothing before reuse.

**Storage:** Store in a well-ventilated place. Keep container tightly closed. **Disposal:** Dispose of contents/container in accordance with local regulation.

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