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

Material name : ZEP FORMULA 1262

Material number 000000000000221635

Manufacturer or supplier's details

Company Zep Inc.

Address 350 Joe Frank Harris Parkway, SE

Emerson, GA 30137

Compliance Services - 877-428-9937 Telephone

### **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

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

> 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, clear
Odour	strong, solvent-like, hydrocarbon-like

#### **GHS Classification**

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

single exposure

Specific target organ toxicity - : Category 3 (Respiratory system, Central nervous system)

single exposure

Specific target organ toxicity - : Category 2

repeated exposure

#### **GHS** label elements

Signal word

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Hazard pictograms







mark

Health hazard

Corrosion

: Danger

: H302 + H332 Harmful if swallowed or if inhaled. Hazard statements

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	>= 60 - < 80
formic acid	64-18-6	>= 5 - < 10
phenol	108-95-2	>= 5 - < 10
Benzenesulfonic acid, C10-16-alkyl derivs.	68584-22-5	>= 1 - < 5
.alpha(Nonylphenyl)omegahydroxypoly(oxy-1,2-ethanediyl)phosphate	51811-79-1	>= 1 - < 5
Solvent naphtha (petroleum), heavy arom.	64742-94-5	>= 1 - < 5

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

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

General advice : Move out of dangerous area.

Consult a physician.

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 : Immediate medical treatment is necessary as untreated

wounds from corrosion of the skin heal slowly and with

difficulty.

Wash off immediately with plenty of water for at least 15

minutes.

Remove contaminated clothing and shoes. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.

In case of eye contact : Small amounts splashed into eyes can cause irreversible

tissue damage and blindness.

Rinse immediately with plenty of water, also under the eyelids,

for at least 15 minutes. Remove contact lenses. Protect unharmed eye.

Keep eye wide open while rinsing.

If eye irritation persists, consult a specialist.

If swallowed : Keep respiratory tract clear.

Do NOT induce vomiting.

Do not give milk or alcoholic beverages.

Never give anything by mouth to an unconscious person.

If symptoms persist, call a physician. Take victim immediately to hospital.

Most important symptoms : Chronic effects are delayed and symptoms may not be

and effects, both acute and

delayed

observed during an exposure.

Effects are dependent on exposure (dose, concentration,

contact time).

Effects are immediate and delayed.

Symptoms may include blistering, irritation, burns, and pain. Symptoms may include central nervous system depression.

resulting in headache, nausea and/or dizziness.

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 shortness of breath, dry cough, and

irritation of the nose, eyes, lips, mouth, and throat.

Harmful if swallowed.

Causes severe skin burns and eye damage.

May cause cancer. Harmful if inhaled.

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

May cause damage to organs.

Review section 2 of SDS to see all potential hazards.

Notes to physician

Treat symptomatically. Symptoms may be delayed. Contact a poison treatment specialist immediately if large quantities have been ingested or inhaled, or contact with large portions of the body have occurred.

#### **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 Phosphorus compounds

phosgene

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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 : Use personal protective equipment.

Ensure adequate ventilation. Remove all sources of ignition.

Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

Environmental precautions

: 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

: Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to

local / national regulations (see section 13).

#### **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.

Take precautionary measures against static discharges.

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
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
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

## **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		

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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.

Hand protection

Material : Protective gloves

Remarks : The suitability for a specific workplace should be discussed

with the producers of the protective gloves.

Eye protection : Safety goggles

Face-shield

Ensure that eyewash stations and safety showers are close to

the workstation location.

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, clear

Odour : strong, solvent-like, hydrocarbon-like

Odour Threshold : No data available pH : Not applicable Melting point/freezing point : No data available

Boiling point : 40.6 °C

Flash point

does not flash No flash to boiling

Evaporation rate : > 1

Upper explosion limit : 23 %(V)

Lower explosion limit : 12 %(V)

Vapour pressure : 272 hPa

Relative vapour density : No data available

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Density : 1.23 g/cm3

Bulk density : No data available

Solubility(ies)

Water solubility : emulsifiable Solubility in other solvents : miscible

Solvent: Ethanol

Partition coefficient: n-

octanol/water

: No data available

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

: Vapours may form explosive mixture with air.

No decomposition if stored and applied as directed.

Conditions to avoid : Heat, flames and sparks.

Extremes of temperature and direct sunlight.

Incompatible materials : Oxidizing agents

Metals Bases

Hazardous decomposition

products

: Phosgene

Carbon oxides

Hydrogen chloride gas

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

## **Potential Health Effects**

Aggravated Medical

: None known.

Condition

Symptoms of Overexposure : Chronic effects are delayed and symptoms may not be

observed during an exposure.

Effects are dependent on exposure (dose, concentration,

contact time).

Effects are immediate and delayed.

Symptoms may include blistering, irritation, burns, and pain. Symptoms may include central nervous system depression,

resulting in headache, nausea and/or dizziness.

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 shortness of breath, dry cough, and

irritation of the nose, eyes, lips, mouth, and throat.

Harmful if swallowed.

Causes severe skin burns and eye damage.

May cause cancer. Harmful if inhaled.

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

May cause damage to organs.

Review section 2 of SDS to see all potential hazards. Treat symptomatically. Symptoms may be delayed. Contact a poison treatment specialist immediately if large quantities have been ingested or inhaled, or contact with large portions of the body have occurred.

Carcinogenicity:

IARC Group 2A: Probably carcinogenic to humans

dichloromethane 75-09-2

ACGIH Confirmed animal carcinogen with unknown relevance to

humans

dichloromethane 75-09-2

**OSHA** 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 : 905.08 mg/kg

Method: Calculation method

Acute inhalation toxicity : Acute toxicity estimate : 19.8 mg/l

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

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Acute dermal toxicity : Acute toxicity estimate : 4,312 mg/kg

Method: Calculation method

#### 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

## **Further information**

#### **Product:**

Remarks: No data available

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

## **Ecotoxicity**

No data available

## Persistence and degradability

No data available

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#### **Bioaccumulative potential**

**Product:** 

Partition coefficient: n- : Remarks: No data available

octanol/water <u>Components:</u> 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 with long lasting effects.

## **SECTION 13. DISPOSAL CONSIDERATIONS**

**Disposal methods** 

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

The product should not be allowed to enter drains, water

courses or the soil.

Do not contaminate ponds, waterways or ditches with

chemical or used container.

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., (CARBOLIC ACID), 8, (6.1), II

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Transportation Regulation: IMDG (Vessel):

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

Transportation Regulation: IATA (Cargo Air):

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

Transportation Regulation: IATA (Passenger Air):

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

Transportation Regulation: TDG (Canada):

UN2922, CORROSIVE LIQUID, TOXIC, N.O.S., (CARBOLIC 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.	Component RQ (lbs)	Calculated product RQ (lbs)
dichloromethane	75-09-2	1000	1359

#### 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 : Skin corrosion or irritation

Serious eye damage or eye irritation

Germ cell mutagenicity

Carcinogenicity

Specific target organ toxicity (single or repeated exposure)

Acute toxicity (any route of exposure)

SARA 302 : The following components are subject to reporting levels

established by SARA Title III, Section 302:

phenol 108-95-2 6.957 %

SARA 313 : The following components are subject to reporting levels

established by SARA Title III, Section 313:

 dichloromethane
 75-09-2
 73.5665 %

 formic acid
 64-18-6
 8.1926 %

 phenol
 108-95-2
 6.957 %

#### 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	1
INSTABILITY	0
SPECIAL HAZARD.	

0 = not significant, 1 = Slight,

2 = Moderate, 3 = High

4 = Extreme

#### HMIS III:

HEALTH	3*
FLAMMABILITY	1
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,

2 = Moderate, 3 = High

4 = Extreme, \* = Chronic

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

Hazard pictograms



Health hazard



Corrosion



Exclamation

Signal word

Hazard statements Harmful if swallowed 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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We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind. The information in this document applies to this specific material as supplied. It may not be valid for this material if it is used in combination with any other materials. Users should make their own investigations to determine the suitability and applicability of the information for their particular purposes. This SDS has been prepared by the Compliance Services organization supporting this manufacturer, supplier or distributor.