# SAFETY DATA SHEET

V9140 Zepinc

## A00315 MST HEAVY DUTY ADHESIVE 20net12

Version 3.4

Revision Date 03/15/2017

Print Date 04/28/2017

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Material name

: A00315 MST HEAVY DUTY ADHESIVE 20net12

Material number

: 000000000001002035

Manufacturer or supplier's details

Company

: Zep Inc.

Address

: 1310 Seaboard Industrial Blvd., NW

Atlanta, GA 30318

Telephone

: 404-352-1680

Emergency telephone numbers		
For SDS Information	;	Compliance Services 1-877-428-9937
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

Recommended use

: Adhesive

### SECTION 2. HAZARDS IDENTIFICATION

#### **Emergency Overview**

Appearance	Aerosol containing a liquefied gas
Colour	light yellow
Odour	solvent-like

### **GHS** Classification

Flammable aerosols

: Category 1

Gases under pressure

: Liquefied gas

Skin irritation Eye imitation

Category 2 : Category 2A

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

single exposure

GHS label elements

Hazard pictograms



Signal word

: Danger

Hazard statements

: H222 Extremely flammable aerosol.

H280 Contains gas under pressure; may explode if heated.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.



Version 3.4

Revision Date 03/15/2017

Print Date 04/28/2017

Precautionary statements

: Prevention:

P210 Keep away from heat/sparks/open flames/hot surfaces.

No smoking.

P211 Do not spray on an open flame or other ignition source. P251 Pressurized container: Do not pierce or burn, even after

use.

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P264 Wash skin thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/ eye protection/ face protection:

Response:

P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P304 + P340 + P312 IF INHALED: Remove person to fresh air

and keep comfortable for breathing. Call a POISON

CENTER/doctor if you feel unwell.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332 + P313 If skin irritation occurs: Get medical advice/

attention.

P337 + P313 If eye imitation persists: Get medical advice/

attention.

P362 Take off contaminated clothing and wash before reuse.

Storage:

P403 Store in a well-ventilated place.

P410 + P412 Protect from sunlight. Do not expose to

temperatures exceeding 50 °C/ 122 °F.

Disposal:

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 [%]
propane	74-98-6	>= 20 - < 30
acetone	67-64-1	>= 20 - < 30
butane	106-97-8	>= 10 - < 20
Naphtha (petroleum), hydrotreated light	64742-49-0	>= 10 - < 20
methyl acetate	79-20-9	>= 5 - < 10

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

: If unconscious place in recovery position and seek medical

advice.

If symptoms persist, call a physician.



 Version 3.4
 Revision Date 03/15/2017
 Print Date 04/28/2017

In case of skin contact : Take off contaminated clothing and shoes immediately.

Get medical attention if irritation develops and persists.

Wash contaminated clothing before re-use.

Wash off immediately with plenty of water for at least 15

wash on immediately with plenty of water for at least 1:

minutes.

In case of eye contact : Flush eyes with water as a precaution.

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 unless directed to do so by a

physician or poison control center.

Most important symptoms and effects, both acute and

: Effects are immediate and delayed.

Symptoms may include irritation, redness, pain, and rash.

Causes skin irritation.

Causes serious eye irritation.

Review section 2 of SDS to see all potential hazards.

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

#### SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Dry chemical

Water spray jet Alcohol-resistant foam Carbon dioxide (CO2)

Unsuitable extinguishing

media

delayed

High volume water jet

Hazardous combustion

products

Carbon dioxide (CO2)
Carbon monoxide

Smoke

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. For safety reasons in case of fire, cans should be stored

separately in closed containments.

Use a water spray to cool fully closed containers.

Special protective equipment

for firefighters

: Wear self-contained breathing apparatus for firefighting if

necessary.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, Use personal protective equipment.



Version 3.4 Revision Date 03/15/2017 Print Date 04/28/2017

protective equipment and emergency procedures

Ensure adequate ventilation.

Refer to protective measures listed in sections 7 and 8.

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

: 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

For personal protection see section 8.

Smoking, eating and drinking should be prohibited in the

application area:

Always replace cap after use.

Do not breathe vapours or spray mist.

Take precautionary measures against static discharges.

Provide sufficient air exchange and/or exhaust in work rooms.

Conditions for safe storage

 BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50 °C. Do not open by force

or throw into fire even after use. Do not spray on flames or

red-hot objects. No smoking.

Observe label precautions.

Keep in a dry, cool and well-ventilated place.

Electrical installations / working materials must comply with

the technological safety standards.

Materials to avoid

Strong oxidizing agents

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

# Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
ргорапе	74-98-6	TWA	1,000 ppm	ACGIH
		TWA	1,000 ppm	NIOSH REL
			1,800 mg/m3	
		TWA	1,000 ppm 1,800 mg/m3	OSHA Z-1
		TWA	1,000 ppm 1,800 mg/m3	OSHA PO
		PEL	1,000 ppm	CAL PEL



Version 3.4 Revision Date 03/15/2017 Print Date 04/28/2017

	1	1	1,800 mg/m3	1
acetone	67-64-1	TWA	250 ppm	ACGIH
		STEL	500 ppm	ACGIH
		TWA	250 ppm 590 mg/m3	NIOSH REL
		TWA	1,000 ppm 2,400 mg/m3	OSHA Z-1
		TWA	750 ppm 1,800 mg/m3	OSHA PO
-		STEL	1,000 ppm 2,400 mg/m3	OSHA P0
		STEL	750 ppm 1,780 mg/m3	CAL PEL
		С	3,000 ppm	CAL PEL
		PEL	500 ppm 1,200 mg/m3	CAL PEL
butane	106-97-8	TWA	800 ppm 1,900 mg/m3	NIOSH REL
		TWA	800 ppm 1,900 mg/m3	OSHA PO
		PEL	800 ppm 1,900 mg/m3	CAL PEL
methyl acetate	79-20-9	TWA	200 ppm	ACGIH
		STEL	250 ppm	ACGIH
		TWA	200 ppm 610 mg/m3	NIOSH REL
		ST	250 ppm 760 mg/m3	NIOSH REL
		TWA	200 ppm 610 mg/m3	OSHA Z-1
		TWA	200 ppm 610 mg/m3	OSHA PO
		STEL	250 ppm 760 mg/m3	OSHA PO
		PEL	200 ppm 610 mg/m3	CAL PEL
		STEL	250 ppm 760 mg/m3	CAL PEL

Hazardous components without workplace control parameters

## Biological occupational exposure limits

Component	CAS-No.	Control	Biological	Sampling	Permissible	Basis
^		parameters	specimen	time	concentration	
2-PROPANONE	67-64-1	Acetone	Urine	End of shift (As	25 mg/l	ACGIH BEI
				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



Version 3.4

Revision Date 03/15/2017

Print Date 04/28/2017

that exposures are within recommended exposure guidelines.

Hand protection

Remarks

: Skin should be washed after contact. For prolonged or repeated contact use protective gloves. The suitability for a specific workplace should be discussed with the producers of

the protective gloves.

Eye protection

: Safety glasses

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

: General industrial hygiene practice.

#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

: Aerosol containing a liquefied gas

Colour

light yellow

Odour

: solvent-like

Odour Threshold

: No data available

рΗ

No data available

Melting point/freezing point

: No data available

**Boiling point** 

: Not applicable

Flash point

Not applicable

Evaporation rate

Flammability (solid, gas)

: No data available

Tidiffilability (Solid, gas,

Extremely flammable aerosol.

Upper explosion limit

No data available

Lower explosion limit

No data availableNo data available

Vapour pressure Relative vapour density

: No data available

Density

No data available

Solubility(ies)

Water solubility

: partly soluble

Partition coefficient: n-

octanol/water

! No data available

Auto-ignition temperature

: not determined

Thermal decomposition

: No data available

Heat of combustion

: 40.94 kJ/g



Version 3.4

Revision Date 03/15/2017

Print Date 04/28/2017

#### 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

: Strong oxidizing agents

Hazardous decomposition

products

: Carbon monoxide, carbon dioxide and unburned

hydrocarbons (smoke). Nitrogen oxides (NOx)

### SECTION 11. TOXICOLOGICAL INFORMATION

## Potential Health Effects

Aggravated Medical

: None known.

Condition

Symptoms of Overexposure

: Effects are immediate and delayed.

Symptoms may include irritation, redness, pain, and rash.

Carcinogenicity:

**IARC** 

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed

human carcinogen by IARC.

**ACGIH** 

No component of this product present at levels greater than or

equal to 0.1% is identified as a carcinogen or potential

carcinogen by ACGIH.

**OSHA** 

No component of this product present at levels greater than or

equal to 0.1% is identified as a carcinogen or potential

carcinogen by OSHA.

NTP

No component of this product present at levels greater than or

equal to 0.1% is identified as a known or anticipated carcinogen

by NTP.

Acute toxicity

Components:

propane:

Acute inhalation toxicity : LC50 Mouse: 1,237 mg/l



Version 3.4

Revision Date 03/15/2017

Print Date 04/28/2017

Exposure time: 2 h

LC50 Rat: 658 mg/l Exposure time: 4 h

LC50 Rat: 1,355 mg/l

acetone:

Acute oral toxicity

; LD50 Rat: 5,800 mg/kg

Acute inhalation toxicity

: LC50 Rat: 132 mg/l

Exposure time: 3 h

LC50 Rat: 50.1 mg/l

Acute dermal toxicity

: LD50 Guinea pig: > 7,426 mg/kg

LD50 Rabbit: > 7,426 mg/kg

butane:

Acute inhalation toxicity

; LC50 Mouse: 1,237 mg/l

Exposure time: 2 h

LC50 Rat: 1,355 mg/l

## Skin corrosion/irritation

**Product:** 

Remarks: Irritating to skin.

## Serious eye damage/eye irritation

**Product:** 

Remarks: Imitating to eyes.

### Respiratory or skin sensitisation

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

No data available

## Reproductive toxicity

No data available

propane: acetone:

butane:

Naphtha (petroleum), hydrotreated light:



Version 3.4

Revision Date 03/15/2017

Print Date 04/28/2017

methyl acetate:

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

Bioaccumulative potential

Product:

Partition coefficient: n-

octanol/water

Components: butane:

Partition coefficient: n-

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

: Remarks: No data available

Stratospheric Ozone - CAA Section 602 Class I

Substances

: Pow: 2.89

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

: No data available



Version 3.4

Revision Date 03/15/2017

Print Date 04/28/2017

#### 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.

Contaminated packaging

Do not burn, or use a cutting torch on, the empty drum.

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

#### SECTION 14. TRANSPORT INFORMATION

Transportation Regulation: 49 CFR (USA); ORM-D, CONSUMER COMMODITY

Transportation Regulation: IMDG (Vessel): UN1950, AEROSOLS, 2.1, - Limited quantity

Transportation Regulation: IATA (Cargo Air):

UN1950, Aerosols, flammable, 2.1, - Limited quantity

Transportation Regulation: IATA (Passenger Air): UN1950, Aerosols, flammable, 2.1, - Limited quantity

Transportation Regulation: TDG (Canada): UN1950, AEROSOLS, 2.1, - Limited quantity

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.

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

**CERCLA Reportable Quantity** 



Version 3.4

Revision Date 03/15/2017

Print Date 04/28/2017

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
acetone	67-64-1	5000	*

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

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards

: Fire Hazard

Sudden Release of Pressure Hazard

Acute Health Hazard

**SARA 302** 

: No chemicals in this material are subject to the reporting

requirements of SARA Title III, Section 302.

**SARA 313** 

: This material does not contain any chemical components with

known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

California Prop 65

WARNING! This product contains a chemical known to the

State of California to cause cancer.

benzene

71-43-2

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive

harm.

toluene benzene 108-88-3 71-43-2

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

**TSCA** 

On TSCA Inventory

DSL

All components of this product are on the Canadian DSL

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** 



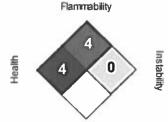
Version 3.4

Revision Date 03/15/2017

Print Date 04/28/2017

#### Further information

#### NFPA:



Special hazard.

#### HMIS III:

HEALTH	3
FLAMMABILITY	4
PHYSICAL HAZARD	2

0 = not significant, 1 =Slight, 2 = Moderate, 3 = High 4 = Extreme, \* = Chronic

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

Hazard pictograms







Signal word Hazard statements

Danger:

Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness.

Precautionary statements

**Prevention:** Keep aw ay from heat/sparks/open flames/hot surfaces, No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Avoid breathing dust/fume/gas/mist/ vapours/spray. Wash skin thoroughly after handling. Use only outdoors or in a well-ventilated area.

Wear protective gloves/eye protection/face protection.

Response: IF ON SKIN: Wash with plenty of soap and water, IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue inising. If skin irritation occurs; Get medical advice/attention. If eye irritation persists; Get medical advice/attention. Take off contaminated clothing and wash before reuse.

Storage: Store in a well-ventilated place. Protect from sunlight. Do not expose to

temperatures exceeding 50 °C/ 122 °F.

Dis pos al: Dispose of contents/container in accordance with local regulation.

Version:	3.4
Revision Date:	03/15/2017
Print Date:	04/28/2017

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Version 3.4

Revision Date 03/15/2017

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Dimension™, Petro®, i-Chem®, TimeMist®, TimeWick™, MicrobeMax®, Country Vet®, Konk®, Original Bike Spirits®, Blue Coral®, Black Magic®, Rain-X®, Niagara National™, FC Forward Chemicals®,Rexodan®, Mykal™, and a number of private labeled brands.