

NO MORE NAILS SACHET **Revision Number 1** 

Revision Date 12-Apr-2019 Supersedes Date: 12-Apr-2019

# Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE **COMPANY/UNDERTAKING**

#### 1.1. Product Identifier

NO MORE NAILS SACHET **Product Name** 

Pure substance/mixture Mixture

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

Recommended use Adhesives.

No information available. Uses advised against

1.3. Details of the supplier of the safety data sheet

**Company Name** 

Bostik (Shanghai) Management Co., Ltd

Building 1, No.968 Guanghua Road, Minhang District

Shanghai, China Tel: 021-60763101

Fax: 021-60763133

Manufacturer

Bostik Findley (Malaysia) Sdn. Bhd

Lot 112 & 113,

Kawasan Perindustrian senawang, seremban, negeri sembilian, Malaysia

Tel: 606-6789788 Fax: 606-6789766

See section 16 for more information.

1.4. Emergency telephone number

**Emergency Telephone** 0532-8388 9090 (China only)

E-mail address SDS.AP@Bostik.com

# Section 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

Aspiration hazard	Not applicable
Skin corrosion/irritation	Category 2 (6.3A)
Skin sensitization	Category 1 (6.5B)
STOT - single exposure	Category 3 (f)
Acute aquatic toxicity	Category 3 (9.1D)
Chronic aquatic toxicity	Category 2 (9.1B)
Flammable Liquids	Category 2 (3.1B)

HSR002662 **ERMA Group** 

## 2.2. Label Elements



Signal word

Danger

#### **Hazard statements**

H411 - Toxic to aquatic life with long lasting effects

H317 - May cause an allergic skin reaction

H315 - Causes skin irritation

H336 - May cause drowsiness or dizziness

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H402 - Harmful to aquatic life

H225 - Highly flammable liquid and vapor

### **Precautionary Statements - Prevention**

P264 - Wash face, hands and any exposed skin thoroughly after handling

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

P272 - Contaminated work clothing should not be allowed out of the workplace

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

P273 - Avoid release to the environment

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

P233 - Keep container tightly closed

P240 - Ground/bond container and receiving equipment

P241 - Use explosion-proof electrical/ ventilating/ lighting/ equipment

P242 - Use only non-sparking tools

P243 - Take precautionary measures against static discharge

P235 - Keep cool

#### **Precautionary Statements - Response**

P321 - Specific treatment (see supplemental first aid instructions on this label)

#### Inhalation

P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

P312 - Call a POISON CENTER or doctor if you feel unwell

#### Skin

P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention

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

P363 - Wash contaminated clothing before reuse

#### Fire

In case of fire: Use CO2, dry chemical, or foam to extinguish

#### Spill

P391 - Collect spillage

#### **Precautionary Statements - Storage**

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

P405 - Store locked up

## **Precautionary Statements - Disposal**

P501 - Dispose of contents/ container to an approved waste disposal plant

#### 2.3. Other Hazards

## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances

Mixture

## 3.2 Mixtures

Chemical name	CAS No.	Weight-%
Naphtha, petroleum, hydrotreated light, <0.1%	64742-49-0	10 - 20
Benzene		
2-Methylpentane	107-83-5	10 - 20
Ethyl alcohol	64-17-5	1 - 5
Zinc, bis(dibutylcarbamodithioato-S,S)-, (T-4)-	136-23-2	0.1 - 1

<sup>\*\*\*</sup> Any remaining ingredients are not hazardous

## Section 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

General advice If medical advice is needed, have product container or label at hand.

**Inhalation** Remove to fresh air.

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Skin contact Wash with plenty of soap and water. If skin irritation occurs: Get medical

advice/attention.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician

immediately.

**Ingestion** If swallowed, do not induce vomiting: seek medical advice immediately and show this

container or label.

entry to unnecessary and unprotected personnel.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms None known.

4.3. Indication of any immediate medical attention and special treatment needed

4.4. Reference to Other Sections

Reference to other sections See Section 12: ECOLOGICAL INFORMATION. Section 7: HANDLING AND

STORAGE. Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.

# Section 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media

risk.

**Unsuitable extinguishing media** No information available.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the

chemical

Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

**Hazardous Combustion** 

**Products** 

Carbon oxides.

5.3. Advice for firefighters

Special protective equipment for

fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

## Section 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Remove all sources of ignition. Evacuate personnel to safe areas. Ensure adequate

ventilation, especially in confined areas.

**Other information** Water spray may reduce vapor; but may not prevent ignition in closed spaces.

entry to unnecessary and unprotected personnel.

6.2. Environmental precautions

**Environmental precautions**Do not empty into drains, dispose of this material and its container at hazardous or

special waste collection point. See Section 12 for additional Ecological Information.

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6.3. Methods and material for containment and cleaning up

Methods for containment Dike far ahead of spill; use dry sand to contain the flow of material. Contain and collect

spillage 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).

Methods for cleaning up

Use clean non-sparking tools to collect absorbed material. Dike far ahead of spill for later

disposal.

6.4. Reference to other sections

Reference to other sections See Section 12: ECOLOGICAL INFORMATION

Section 7: HANDLING AND STORAGE

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

## Section 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Advice on safe handling Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking. Take precautionary measures against static charges. Use explosion-proof

electrical/ventilating/lighting/equipment.

### 7.2. Conditions for safe storage, including any incompatibilities

General hygiene considerations Do not eat, drink or smoke when using this product. Regular cleaning of equipment, work

area and clothing is recommended.

Storage Conditions Keep only in the original container/package in a cool well-ventilated place.

Incompatible materials Strong acids and bases

7.3. Specific end use(s)

Specific Use(s) Adhesives.

Other information No information available.

7.4. References to Other Sections

Reference to other sections See Section 12: ECOLOGICAL INFORMATION. Section 7: HANDLING AND

STORAGE. Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION.

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

## 8.1. Control parameters

## **Exposure Limits**

Chemical name	China	Japan	Korea	New Zealand	Australia
2-Methylpentane			STEL: 1000 ppm	=	=
107-83-5			TWA: 500 ppm		
Ethyl alcohol			TWA: 1000 ppm	TWA: 1000 ppm	1000 ppm TWA
64-17-5			, ,	TWA: 1880 mg/m <sup>3</sup>	1880 mg/m <sup>3</sup> TWA

Chemical name	European Union	ACGIH TLV	NIOSH IDLH	OSHA PEL
2-Methylpentane	-	STEL: 1000 ppm	=	-
107-83-5		TWA: 500 ppm		
Ethyl alcohol	-	STEL: 1000 ppm	IDLH: 3300 ppm	TWA: 1000 ppm
64-17-5			TWA: 1000 ppm	TWA: 1900 mg/m <sup>3</sup>
			TWA: 1900 mg/m <sup>3</sup>	_

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Predicted No Effect Concentration No information available

(PNEC)

**OTHER INFORMATION** No information available

8.2. Exposure controls

**Engineering controls** Ensure adequate ventilation, especially in confined areas.

**PPE - Personal Protection Equipment** 

Respiratory protection

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin and body protection Wear suitable protective clothing. No special technical protective measures are

necessary under normal conditions.

Wear suitable chemical resistant gloves. The selection of suitable gloves does not only Hand protection depend on the material, but also on further marks of quality and various manufacturers.

No protective equipment is needed under normal use conditions. Respiratory protection required in insufficiently ventilated working areas and during spraying. An air-fed mask,

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or for short periods of work, a combination of professional filter is recommended.

General hygiene considerationsDo not eat, drink or smoke when using this product. Wash hands thoroughly after

handling. Avoid contact with skin, eyes or clothing. Take off contaminated clothing and

wash before reuse.

Environmental exposure controls Do not allow into any sewer, on the ground or into any body of water.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

**Appearance** Liquid Colorless Color Odor Solvent

**Odor Threshold** No information available

Property Remarks • Method

No data available Melting point / freezing point No information available Boiling point / boiling range approx. 70 °C / 158 °F -10 °C / < 14 °F **Flash Point Evaporation Rate** No information available Flammability (solid, gas) No information available

Flammability Limit in Air

Upper flammability or explosive No information available

limits

Lower flammability or explosive No information available

limits

**Vapor Pressure** No information available **Vapor Density** No information available

**Relative Density** 1.16

**Water Solubility** Insoluble in water

Solubility in Other Solvents No information available Partition coefficient No information available No information available **Autoignition Temperature Decomposition Temperature** No information available **Kinematic Viscosity** No information available

**Dynamic Viscosity** 272000 mPas

No information available **Explosive properties Oxidizing properties** No information available

9.2. Other information

**Softening Point** No information available **Molecular Weight** No information available Solvent content (%) No information available Solid content (%) No information available

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Density No information available

Bulk Density No information available

VOC (volatile organic compound) < 300 g/l

## Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

**Reactivity** Stable under recommended storage conditions.

10.2. Chemical stability

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

Hazardous Polymerization None under normal processing.

10.4. Conditions to avoid

**Conditions to avoid** Keep away from heat, sparks and flames.

10.5. Incompatible materials

Incompatible materials Strong acids and bases.

10.6. Hazardous decomposition products

Hazardous decomposition

products

None under normal use conditions.

## Section 11: TOXICOLOGY INFORMATION

#### 11.1. Information on toxicological effects

### **Acute Toxicity**

Product Information Product does not present an acute toxicity hazard based on known or supplied

information. No data available.

InhalationNo data available.Eye contactNo data available.Skin contactIrritating to skin.IngestionNo data available.

# Numerical measures of toxicity

## Unknown acute toxicity

12.32599999 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

12.32599999 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

27.36554999 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

27.36554999 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor) 25.57099999 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Component Information			
Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Naphtha, petroleum, hydrotreated light, <0.1% Benzene 64742-49-0	> 5000 mg/kg (Rat)	> 3160 mg/kg(Rabbit)	= 73680 ppm(Rat)4 h
Ethyl alcohol 64-17-5	= 7060 mg/kg (Rat)	-	= 124.7 mg/L (Rat) 4 h
Zinc, bis(dibutylcarbamodithioato-S,S)-, (T-4)- 136-23-2	> 5000 mg/kg(Rat)	> 2000 mg/kg(Rabbit)	-

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## Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation
Serious eye damage/eye irritation
Sensitization
Germ cell mutagenicity
Reproductive toxicity
STOT - single exposure
STOT - repeated exposure
No information available.

Target Organ Effects blood forming system, liver, Eyes, blood, Lungs, Peripheral Nervous System (PNS),

Reproductive System, retina, Skin.

Aspiration hazard No information available. Carcinogenicity No information available.

Chemical name	IARC	China	Japan
Ethyl alcohol	Group 1	-	-

IARC (International Agency for

Group 1 - Carcinogenic to Humans Group 3 - Not Classifiable as to Carcinogenicity in Humans

Research on Cancer)

# Section 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

## **Ecotoxicity**

#### **Product Information**

Harmful to aquatic life with long lasting effects. Harmful to aquatic life. Toxic to aquatic life with long lasting effects.

### **Component Information**

Data obtained on the component(s) include

Chemical name	Algae/aquatic plants	Fish	Crustacea
Naphtha, petroleum, hydrotreated	-	-	LC50: =2.6mg/L (96h,
light, <0.1% Benzene			Chaetogammarus marinus)
64742-49-0			
Ethyl alcohol	-	LC50: 12.0 - 16.0mL/L (96h,	LC50: 9268 - 14221mg/L (48h,
64-17-5		Oncorhynchus mykiss) LC50:	Daphnia magna) EC50: =2mg/L
		13400 - 15100mg/L (96h,	(48h, Daphnia magna) EC50:
		Pimephales promelas) LC50:	=10800mg/L (24h, Daphnia
		>100mg/L (96h, Pimephales	magna)
		promelas)	
Zinc,	-	LC50: =880mg/L (96h, Lepomis	EC50: =0.74mg/L (48h, Daphnia
bis(dibutylcarbamodithioato-S,S)-,		macrochirus) LC50: =520mg/L	magna)
(T-4)-		(96h, Oncorhynchus mykiss)	
136-23-2			

## 12.2. Persistence and degradability

No information available.

#### 12.3. Bioaccumulative potential

There is no data for this product.

Chemical name	Partition coefficient	Bioconcentration factor (BCF)
Ethyl alcohol	-0.32	-
64-17-5		

## 12.4. Mobility in soil

No information available.

# 12.5. Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

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Chemical name	PBT and vPvB assessment
Naphtha, petroleum, hydrotreated light, <0.1% Benzene 64742-49-0	The substance is not PBT / vPvB
Ethyl alcohol 64-17-5	The substance is not PBT / vPvB PBT assessment does not apply
Zinc, bis(dibutylcarbamodithioato-S,S)-, (T-4)- 136-23-2	The substance is not PBT / vPvB

### 12.6. Other adverse effects

No information available. **Endocrine Disruptor** 

Information

## Section 13: DISPOSAL CONSIDERATIONS

#### 13.1. Waste treatment methods

Waste from residues/unused

products

Disposal should be in accordance with applicable regional, national and local laws and

regulations.

**Contaminated packaging** Improper disposal or reuse of this container may be dangerous and illegal.

## Section 14: TRANSPORT INFORMATION

**IMDG** 

UN Number UN1133

**Proper Shipping Name** Adhesives (Naphtha, petroleum, hydrotreated light, <0.1% Benzene), Marine Pollutant

Transport hazard class(es) 3
Packing Group III
Marine Pollutant P
EmS-No. F-E, S-D
Special Provisions 223, 955

Limited Quantity (LQ) 5 L

**Description** UN1133, Adhesives (Naphtha, petroleum, hydrotreated light, <0.1% Benzene), 3, III,

(-10°C c.c.), Marine Pollutant

<u>IATA</u>

UN Number UN1133 Proper Shipping Name Adhesives

Transport hazard class(es)

Packing Group

ERG Code

Limited Quantity (LQ)

Special Provisions

3

Limited Quantity (LQ)

A3

**Description** UN1133, Adhesives, 3, III

ADR

UN Number UN1133

**Proper Shipping Name** Adhesives, Environmentally Hazardous

Transport hazard class(es) 3 Labels 3 Packing Group III

**Description** UN1133, Adhesives, 3, III, (D/E), Environmentally Hazardous

Environmental hazards Yes
Limited Quantity (LQ) 5 L
Classification Code F1
Tunnel Restriction Code (D/E)

## Section 15: REGULATORY INFORMATION

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## **National Regulations**

#### China

This product contains the following substance(s)

Chemical name	Weight-%	China - Catalog of Hazardous Chemicals - Hazardous Chemicals
2-Methylpentane 107-83-5	10 - 20	X
Ethyl alcohol 64-17-5	1 - 5	Х

### <u>Japan</u>

Not applicable

### **Korea**

#### **Chemicals Control Act (CCA)**

This product contains the following substance(s)

Chemical name	Weight-%	Toxic substance	Prohibited substance	Restricted substance	Chemicals Control Act (CCA) - Accident Precaution Chemicals	Existing substances subject to registration
Zinc, bis(dibutylcarbamodithioat o-S,S)-, (T-4)- 136-23-2	0.1 - 1					X

## **Industrial Safety and Health Law**

## **Safety Control of Dangerous Substances Act**

Chemical name	Weight-%	Class 1 - oxidizing solids	Class 2 - flammable solids	Class 3 - spontaneous ly combustible substances and water-reactiv e materials	Class 4 - flammable liquids	Class 5 - self-reactive substances	Class 6 - oxidizing liquids
2-Methylpentane 107-83-5	10 - 20				<ol><li>Group 1 petroleum, insoluble</li></ol>		
Ethyl alcohol 64-17-5	1 - 5				6. Alcohol		

# **Korea - MOE - Waste Control Act - Hazardous Substances in Controlled Waste** Not applicable

## International Regulations

## **Europe**

# Restrictions of Use of Hazardous Substances (RoHS) Directive 2011/65/EU

This product does not contain Lead (7439-92-1), Cadmium (7440-43-9), Mercury (7439-97-6), Hexavalent chromium (7440-47-3), Polybrominated biphenyls (PBB), and Polybrominated diphenyl ethers (PBDE) above the regulated limit

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mentioned in this regulation

**SVHC: Substances of Very High Concern for Authorization:** 

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

## Section 16: OTHER INFORMATION

## **Local Contacts**

Bostik Korea, Ltd. 6F, 21

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Tel: 84 650 3765105 Fax: 84 650 3765109

Bostik Findley (China) Co.,Ltd No.75, Xin Zhuang 2 Road, Yong He

District, GETDD

Guangzhou, 511356, China TEL: 020 -32226211 FAX: 020 -32226261

Chronic Hazard Star Legend \*= Chronic Health Hazard

Key or legend to abbreviations and acronyms used in the safety data sheet

TWA (time-weighted average)
STEL (Short Term Exposure Limit)
LD50 (lethal dose)
EC50 (effective concentration)

**Key Literature References and Sources for Data** 

No information available

Prepared By Product Safety & Regulatory Affairs

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Revision note Not applicable.

Training Advice Provide adequate information, instruction, and training for operator

### **Disclaimer**

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 given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. 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.

**End of Safety Data Sheet**