

This safety data sheet was created pursuant to the requirements of: GHS: The Globally Harmonized System of Classification and Labeling of Chemicals

HARD PLASTIC 20ML Revision Number 5 Revision date 06-Sep-2023 Supersedes Date: 05-May-2023

# 1. Identification

**Product identifier** 

Product Name HARD PLASTIC 20ML

Pure substance/mixture Mixture

# Details of the supplier of the safety data sheet

**Responsible Party** 

Bostik (Shanghai) Management Co., Ltd

Building 1, No.968 Guanghua Road, Minhang District

Shanghai, China Tel: 021-60763101 Fax: 021-60763133

See section 16 for more information.

E-mail address SDS.AP@Bostik.com

**Emergency telephone number** 

Emergency Telephone CHEMTREC (Chemical Transportation Emergency Center)

Chemtrec (India): 000-800-100-7141 Chemtrec (Indonesia): 001-803-017-9114

Chemtrec (Malaysia): Local 60-392125794, Toll-free 1-800-815-308 Chemtrec (Philippines): Local +63 2 8395 3308, Toll-free 1-800-1-116-1020

Chemtrec (Thailand): 001-800-13-203-9987

Chemtrec: 1-800-424-9300 (US), 1-703-527-3887 (Outside U.S.)

Recommended use of the chemical and restrictions on use

Recommended use Adhesive

Restrictions on use No information available

# 2. Hazard(s) identification

#### Classification of the substance or mixture

Flammable liquids	Category 2
Serious eye damage/eye irritation	Category 2
Specific target organ toxicity - Single exposure	Category 3

### Label elements



Signal word Danger

**Hazard statements** 

H225 - Highly flammable liquid and vapor H319 - Causes serious eye irritation

H336 - May cause drowsiness or dizziness

### **Precautionary statements**

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#### Prevention

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

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

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

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

P233 - Keep container tightly closed

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

P240 - Ground/bond container and receiving equipment

P242 - Use only non-sparking tools

P243 - Take precautionary measures against static discharge

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

P235 - Keep cool

#### Response

P304 + P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing

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

P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P337 + P313 - If eye irritation persists: Get medical advice/attention

P370 + P378 - In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish

#### Storage

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

P405 - Store locked up

#### **Disposal**

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

### Other hazards

No information available.

# 3. Composition/information on ingredients

#### **Substance**

Not applicable.

## Mixture

Chemical name	CAS No.	Weight-%
Methyl ethyl ketone	78-93-3	30 - <40
Acetone	67-64-1	30 - <40

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

## 4. First-aid measures

### **Description of necessary first aid measures**

**General advice** Show this safety data sheet to the doctor in attendance.

**Inhalation** Remove to fresh air. IF exposed or concerned: Get medical advice/attention.

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

Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and

persists.

Skin contact Wash off immediately with soap and plenty of water while removing all contaminated

clothes and shoes.

**Ingestion** Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious

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person. Call a physician.

Most important symptoms/effects,

acute and delayed

**Symptoms** 

May cause redness and tearing of the eyes. Burning sensation. Inhalation of high vapor concentrations may cause symptoms like headache, dizziness, tiredness, nausea and

vomiting.

For emergency responders

Self-protection of the first aider

Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Use personal protective equipment as required. See section 8 for more

information. Avoid contact with skin, eyes or clothing.

Note to physicians Treat symptomatically.

## 5. Fire-fighting measures

**Extinguishing media** 

Suitable extinguishing media Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam.

Unsuitable extinguishing media No information available.

Specific hazards arising from the

chemical

Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

**Hazardous combustion** 

products

Carbon oxides.

Special protective actions for

fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

### 6. Accidental release measures

## Personal precautions, protective equipment and emergency procedures

Personal precautions Evacuate personnel to safe areas. Use personal protective equipment as required. See

section 8 for more information. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled

material.

Other information Ventilate the area. Refer to protective measures listed in Sections 7 and 8.

**Environmental precautions** Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or

spillage if safe to do so. Prevent product from entering drains.

# Methods and material for containment and cleaning up

Stop leak if you can do it without risk. Do not touch or walk through spilled material. A vapor suppressing foam may be used to reduce vapors. Dike far ahead of spill to collect runoff water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and

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transfer to properly labeled containers.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

## 7. Handling and storage

#### Precautions for safe handling

Use personal protection equipment. Avoid breathing vapors or mists. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use with local exhaust ventilation. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. In case of insufficient ventilation, wear suitable respiratory equipment.

Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. See Section 8 for information on appropriate personal protective equipment

# Conditions for safe storage,

including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

Keep at temperatures between 41 and 77 °F / 5 and 25 °C.

# 8. Exposure controls/personal protection

## Occupational exposure limits

Chemical name	China	ACGIH TLV	India	Indonesia	Malaysia	Thailand	Vietnam
Methyl ethyl ketone -	TWA: 300	STEL: 300	TWA: 200 ppm	TWA: 200 ppm	TWA: 200 ppm	TWA: 200 ppm	STEL: 300
78-93-3	mg/m³	ppm	TWA: 590	TWA: 300	TWA: 590		mg/m³
	STEL: 600	TWA: 200 ppm	mg/m³	mg/m³	mg/m³		TWA: 150
	mg/m³		STEL: 300		-		mg/m³
			ppm				
			STEL: 885				
			mg/m³				
Acetone - 67-64-1	TWA: 300	STEL: 500	TWA: 750 ppm	TWA: 250 ppm	TWA: 500 ppm	TWA: 1000	STEL: 1000
	mg/m³	ppm	TWA: 1780	TWA: 1187.12	TWA: 1187	ppm	mg/m³
	STEL: 450	TWA: 250 ppm	mg/m³	mg/m³	mg/m³		TWA: 200
	mg/m³		STEL: 1000		-		mg/m³
			ppm				
			STEL: 2375				
			mg/m³				

Note See section 16 for terms and abbreviations

#### **Biological occupational exposure limits**

Chemical name	Biological standards	Monitoring and observation processes	ACGIH
Methyl ethyl ketone - 78-93-3	-		2 mg/L - urine (MEK) - end of
Acetone - 67-64-1	50 mg/L		shift 25 mg/L - urine (Acetone) - end
7.65.61.6	33 mg/ =		of shift

### Monitoring and observation processes

No applicable information was found.

Engineering controls Showers

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Eyewash stations Ventilation systems.

#### Individual protection measures, such as personal protective equipment

**Eye/face protection** Tight sealing safety goggles.

**Skin and body protection**Wear suitable protective clothing. Long sleeved clothing. Chemical resistant apron.

Antistatic boots.

**Hand protection** Wear suitable gloves. Impervious gloves.

**Respiratory protection**No protective equipment is needed under normal use conditions. If exposure limits are

exceeded or irritation is experienced, ventilation and evacuation may be required.

**General hygiene considerations**Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and

clothing is recommended. Wash hands before breaks and immediately after handling the product. Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face

protection.

# 9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance Liquid

**Color** Clear to light yellow

Physical state Liquid

Odor No information available Odor threshold No information available

<u>Property</u> <u>Values</u> <u>Remarks • Method</u>

**pH** No data available Not applicable Insoluble in water

pH (as aqueous solution)Melting point / freezing pointNo data availableNo data available

Initial boiling point and boiling 56 °C (based on components) acetone

range

Flash point -9 °C (based on components) Methyl ethyl ketone

Evaporation rate No data available Flammability Not applicable for liquids

Flammability Limit in Air

Upper flammability or explosive No data available

limits

Lower flammability or explosive No data available

limits

Vapor pressure No data available No data available Relative vapor density No data available Relative density Water solubility Insoluble in water Solubility(ies) No data available Partition coefficient No data available **Autoignition temperature** No data available No data available **Decomposition temperature** Kinematic viscosity No data available Dynamic viscosity 47000 53000 mPas

Additional information

Oxidizing properties

Solid content (%)

Liquid Density

No information available
No data available

# 10. Stability and reactivity

<u>Stability</u> Stable under normal conditions.

Sensitivity to mechanical None.

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impact

Sensitivity to static discharge Yes.

**Possibility of hazardous reactions** None under normal processing.

<u>Conditions to avoid</u> Heat, flames and sparks.

<u>Incompatible materials</u> None known based on information supplied.

Hazardous decomposition

products

None known based on information supplied.

# 11. Toxicological information

#### **Product Information**

**Inhalation** Specific test data for the substance or mixture is not available. May cause irritation of

respiratory tract. May cause drowsiness or dizziness.

Eye contact Specific test data for the substance or mixture is not available. Causes serious eye

irritation. (based on components). May cause redness, itching, and pain.

**Skin contact** Specific test data for the substance or mixture is not available. May cause irritation.

Prolonged contact may cause redness and irritation.

Ingestion Specific test data for the substance or mixture is not available. Ingestion may cause

gastrointestinal irritation, nausea, vomiting and diarrhea.

Symptoms May cause redness and tearing of the eyes. Inhalation of high vapor concentrations may

cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

Acute toxicity

## Numerical measures of toxicity

### The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) >5000 mg/kg
ATEmix (dermal) >5000 mg/kg
ATEmix (inhalation-gas) >20000 ppm
ATEmix (inhalation-dust/mist) >5 mg/l
ATEmix (inhalation-vapor) >20 mg/l

## **Component Information**

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Methyl ethyl ketone	=2483 mg/kg (Rattus)	= 5000 mg/kg (Oryctolagus	=11700 ppm (Rattus) 4 h
		cuniculus)	
Acetone	=5800 mg/kg (Rattus) 3000 mg/Kg (mouse)	>15800 mg/Kg (Rattus)	=79 mg/l(Rattus) 4 h

**Skin corrosion/irritation** May cause skin irritation.

Serious eye damage/eye irritation Classification based on data available for ingredients. Causes serious eye irritation.

Component Information					
Methyl ethyl ketone (78-93-3)					
Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 405:	Rabbit	eye			irritant
Acute Eye					

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Irritation/Corrosion			

Acetone (67-64-1)					
Method	Species	Exposure route	Effective dose	Exposure time	Results
OECD Test No. 405:	Rabbit	eye			irritant
Acute Eye					
Irritation/Corrosion					

Respiratory or skin sensitization Based on available data, the classification criteria are not met.

Component Information			
Methyl ethyl ketone (78-93-3)			
Method	Species	Exposure route	Results
OECD Test No. 406: Skin	Guinea pig	Dermal	No sensitization responses
Sensitization			were observed

Acetone (67-64-1)					
Method	Species	Exposure route	Results		
OECD Test No. 406: Skin	Guinea pig	Dermal	Not a skin sensitizer		
Sensitization					

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

### Legend

# IARC (International Agency for Research on Cancer) Group 3 - Not Classifiable as to Carcinogenicity in Humans

Reproductive toxicity Based on available data, the classification criteria are not met.

Specific target organ toxicity

(single exposure)

May cause drowsiness or dizziness.

Specific target organ toxicity

(repeated exposure)

Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

# 12. Ecological information

## **Ecotoxicity**

Chemical name	Algae/aquatic plants	Fish	Crustacea
Methyl ethyl ketone	EC50=1972 mg/l (Pseudokirchneriella subcapitata)	LC50: 3130 - 3320mg/L (96h, Pimephales promelas)	EC50 48 h > 308 mg/L (Daphnia magna )
Acetone	-	LC50 96 h 4.74 - 6.33 mL/L (Oncorhynchus mykiss)	EC50 48 h 10294 - 17704 mg/L (Daphnia magna Static)

<u>Persistence and degradability</u> No information available.

Bioaccumulative potential There is no data for this product.

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## **Component Information**

Chemical name	Partition coefficient
Methyl ethyl ketone	0.3
Acetone	-0.24

Chemical name	PBT and vPvB assessment	
Methyl ethyl ketone	The substance is not PBT / vPvB	
78-93-3		
Acetone	The substance is not PBT / vPvB	
67-64-1		

Mobility in soil No information available.

# 13. Disposal considerations

Waste chemicals

Waste from residues/unused

products

Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging** 

Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.

# 14. Transport information

**IMDG** 

UN number or ID number UN1133 UN proper shipping name Adhesives

**Description** UN1133, Adhesives, 3, II, (-9°C c.c.)

Transport hazard class(es)

Packing group

Marine pollutant

Limited Quantity (LQ)

EmS-No.

3

NP

5 L

F-E, S-D

**IATA** 

UN number or ID number UN1133 UN proper shipping name Adhesives

**Description** UN1133, Adhesives, 3, II

Transport hazard class(es) 3
Packing group II
Special Provisions A3
Limited quantity (LQ) 1 L
ERG Code 3L

<u>ADR</u>

UN number or ID number UN1133 UN proper shipping name Adhesives

Transport hazard class(es) 3 Labels 3 Packing group II

**Description** UN1133, Adhesives, 3, II, (D/E)

 $\begin{array}{lll} \mbox{Limited quantity (LQ)} & 5 \ \mbox{L} \\ \mbox{Special Provisions} & 640 \mbox{C} \\ \mbox{Classification code} & \mbox{F1} \\ \mbox{Tunnel restriction code} & (D/E) \end{array}$ 

# Special precautions for user

Please refer to the applicable dangerous goods regulations for additional information

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# 15. Regulatory information

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

#### **National regulations**

#### Malaysia

- Chemical classification, Labelling and Safety Data Sheets Regulation, 2013(CLASS)
- Industry Code Of Practice 2014 (ICOP)

### Indonesia

• Regulation no. 87/M-IND/PER/9/2009 concerning Globally Harmonized System of Classification and Labelling of Chemicals, as amended by 23/M-IND/PER/4/2013

### **Singapore**

• SS 586:2014

#### Vietnam

Circular 04/2012/TT-BCT dated 13/02/2012

### **Philippines**

• Rules and Procedures for the Safety Data Sheet (SDS), Labeling Requirements and Hazards classification under DENR Administrative Order No. 29, series of 1992 of Republic Act 6969

## **Substances Subject to Chemical Control Orders (CCO)**

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### **Priority Chemical List**

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## **Thailand**

Hazard Classification and Communication System of Hazardous Substance B.E. 2555 (2012)

The Hazardous Substance Act B.E. 2556 (2013)

Chemical name	Weight-%	The Hazardous Substance Act B.E. 2556 (2013)
Methyl ethyl ketone 78-93-3	30 - <40	3
Acetone 67-64-1	30 - <40	3

### **International Regulations**

The Montreal Protocol on Substances that Deplete the Ozone Layer Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

# Europe

Registration, Evaluation, Authorization, and Restriction of Chemicals (REACh) Regulation (EC 1907/2006)

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## **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)

### 2015/863/EU - RoHS

This product does not contain Lead, Cadmium, Mercury, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-Ethylhexyl) phthalate (DEHP), Benzyl butyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP) above the regulated limit mentioned in this regulation

# 16. Other information

### **Local Contacts**

Bostik Findley (Malaysia) Sdn. Bhd Bostik Asia Pacific Bostik (Thailand) Co., Ltd.

Lot 112 & 113, 1 Science Park Road, #04-01/05 Blessing Will Building, 6th Floor, Room Kawasan Perindustrian senawang, West Wing, The Capricorn, 601

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Brgy. Plaza Aldea Fax: 62 21 521 0554 Tanay Rizal,1980

Tel: 632-900-5656
Fax: 632-900-5622
Bostik India Private Ltd Jiangsu Bositk Adhesive Co.,Ltd Bostik Findley (China) Co.,Ltd

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Revision date 06-Sep-2023

**Revision Note** \*\*\*Indicates updated data since last publication.

# Abbreviations and acronyms

Fax: 00 91-80-27831324

Email: Bostikinfo.India@bostik.com

 Legend
 Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

 TWA
 TWA (time-weighted average)

 STEL
 STEL (Short Term Exposure Limit)

Ceiling Ceiling Limit Value
\* Skin designation

SVHC Substance(s) of Very High Concern

PBT Persistent, Bioaccumulative, and Toxic (PBT) Chemicals vPvB Very Persistent and very Bioaccumulative (vPvB) Chemicals

STOT RE Specific target organ toxicity - Repeated exposure STOT SE Specific target organ toxicity - Single exposure

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### Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)

U.S. Environmental Protection Agency ChemView Database

European Food Safety Authority (EFSA)

EPA (Environmental Protection Agency)

Acute Exposure Guideline Level(s) (AEGL(s))

U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act

U.S. Environmental Protection Agency High Production Volume Chemicals

Food Research Journal

Hazardous Substance Database

International Uniform Chemical Information Database (IUCLID)

Japan GHS Classification

Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)

NIOSH (National Institute for Occupational Safety and Health)

National Library of Medicine's ChemID Plus (NLM CIP)

National Library of Medicine's PubMed database (NLM PUBMED)

National Toxicology Program (NTP)

New Zealand's Chemical Classification and Information Database (CCID)

Organization for Economic Co-operation and Development Environment, Health, and Safety Publications

Organization for Economic Co-operation and Development High Production Volume Chemicals Program

Organization for Economic Co-operation and Development Screening Information Data Set

RTECS (Registry of Toxic Effects of Chemical Substances)

World Health Organization

### **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** 

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