

SECTION 1: Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
 - **Trade name:** Gummed Shapes
 - **Item no:** 1427575, 1427576, 1427577, 1427578, 1427579
 - **Registration number:** Data not available
- **1.2 Relevant identified uses of the substance or mixture and uses advised against on**
 - **Application of the substance/ mixture:** Envelopes, paper bags, cartons, books, backpacks, etc.
- **1.3 Details of the supplier of the safety data sheet**
 - **Manufacturer/Supplier:**
NINGBO SKYWAY IMP.&EXP. CO.,LTD
767Liangzhu Road, Gaoqiao, Haishu, Ningbo, China
Tel: +086-0574-88264867
Fax: /
Email: franky.zhou@nbskyway.com
 - **Only Representative/other EU contact point:** Information not available
 - **Further information obtainable from:** NINGBO SKYWAY IMP.&EXP. CO.,LTD
- **1.4 Emergency telephone number**
General in EU
Tel: 112 (Available 24 hours a day)

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
Classification according to regulation (EC) 1272/2008:



GHS02 Flame

Flam. Liq. 3 H226 Flammable liquid and vapour

- **Classification system:**
The classification is according to the latest edition of Regulation 1272/2008, and extended by company and literature data.

- **2.2 Label elements**
 - **Labeling according to Regulation (EC) No 1272/2008:** The product is labeled according to CLP regulation.
 - **Hazard pictograms:**



GHS02

- **Signal word:** Warning
- **Hazard statements:**
H226 Flammable liquid and vapour
- **Precautionary statement:**
P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.

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- P103 Read label before use.
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P370 + P378 In case of fire: Use CO₂, chemical powder, water spray or alcohol resistant foam to extinguish. Do not use water with full jet.
 P403 + P235 Store in a well-ventilated place. Keep cool.
 P501 Dispose of contents/container in accordance with local regulation.

- 2.3 Other hazards

- Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable

SECTION 3: Composition/information on ingredients

- 3.1 Chemical characterization: Mixture

- Description:

Mixture of the substances listed below with nonhazardous additions; For the wording of the listed risk phrases refer to section 16.

- Component:

CAS No.: 25133-97-5 EC No.: 607-559-5	Acrylic copolymer	75%
CAS No.: 7732-18-5 EC No.: 231-791-2	Water	20%
CAS No.: 67-63-0 EC No.: 200-661-7 Index No.: 603-117-00-0	Propan-2-ol ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	4%
CAS No.: 108-05-4 EC No.: 203-545-4 Index No.: 607-023-00-0	Vinyl acetate ⚠ Flam. Liq. 2, H225; ⚠ Carc. 2, H351; ⚠ Acute Tox. 4, H332; STOT SE 3, H335	0.9%
CAS No.: 1338-41-6 EC No.: 215-664-9	Sorbitan stearate	0.1%

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.

After inhalation: Supple with fresh air; Consult doctor if you feel unwell.

After skin contact: No special measures required. If there are signs of irritation or other symptoms seek medical attention.

After eye contact: Rinse eyes with water. Consult doctor if you feel unwell.

After swallowing: Wash mouth. Get medical attention if you feel unwell.

- 4.2 Most important symptoms and effects, both acute and delayed: There is not any known symptom or effect.

- 4.3 Indication of any immediate medical attention and special treatment needed: No special immediate medical attention or special treatment needed.

SECTION 5: Fire-fighting measures

- **5.1 Extinguishing media**
 - **Suitable extinguishing agents:** Use CO₂, chemical powder, water spray or alcohol resistant foam to extinguish. Do not use water with full jet.
 - **5.2 Special hazards arising from the substance or mixture:** May produce irritant vapor.
 - **5.3 Advice for firefighters**
- Protective equipment:** Wear an approved positive pressure self-contained breathing apparatus (Comply with EN 133).

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures:**
Cut off leakage source and collect spillage timely if safe to do it; Ensure adequate ventilation; Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area); Wear personal protective equipment; Avoid breathing vapor; Beware of accumulation of vapor in low areas or contained areas, where explosive concentrations may occur; Avoid contact eyes and skin.
- **6.2 Environmental precautions:**
Prevent further leakage or spillage if safe to do so; Prevent spillage from entering drains, sewer, basement or confined areas; if the spillage contaminates rivers, lakes or drains inform respective authorities.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust); Dispose contaminated material as waste according to section 13.
- **6.4 Reference to other sections:**
See section 7 for information on safe handling; See section 8 for information on personal protection equipment; See section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling:**
Read label before use; Ensure adequate ventilation; Avoid all sources of ignition; Wear protective gloves/protective clothing/eye protection/face protection; Avoid breathing vapors; Use respiratory protective device against the effects of vapor; Avoid contact with eyes and skin.
- **Information about fire and explosion protection:** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking; Keep container tightly closed; Ground/bond container and receiving equipment; Use explosion-proof electrical/ventilating/lighting equipment; Use only non-sparking tools; Take precautionary measures against static discharge.
- **7.2 Conditions for safe storage, including any non-compatibility**
- **Requirements to be met by storerooms and receptacles:** Store in a well-ventilated place. Keep cool.
- **Information about storage in one common storage facility:** Keep out of reach of children; Keep away from flammable substance.
- **Further information about storage conditions:** Store locked up.
- **7.3 Specific end use(s):** Envelopes, paper bags, cartons, books, backpacks, etc.

SECTION 8: Exposure controls/personal protection

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- 8.1 Control parameters

- Ingredients with limit values that require monitoring at the workplace:

Country	Limit value - Eight hours	Limit value - Short term
67-63-0 Propan-2-ol		
Austria	200ppm; 500mg/m ³	800ppm; 2000 mg/m ³
Belgium	200ppm; 500mg/m ³	400ppm; 1000mg/m ³ 15 minutes average value
Denmark	200ppm; 490mg/m ³	400ppm; 980mg/m ³
Finland	200ppm; 500mg/m ³	250ppm; 620mg/m ³ 15 minutes average value
France	-	400ppm; 980mg/m ³
Germany (AGS)	200ppm; 500mg/m ³	400ppm; 1000mg/m ³ 15 minutes average value
Germany (DFG)	200ppm; 500mg/m ³	400ppm; 1000mg/m ³ 15 minutes average value
Hungary	500 mg/m ³	2000 mg/m ³
Ireland	200ppm	400ppm15 minutes reference period
Latvia	350 mg/m ³	600 mg/m ³ 15 minutes average value
Poland	900mg/m ³	1200mg/m ³
Romania	81ppm; 200mg/m ³	203ppm; 500mg/m ³ 15 minutes average value
Spain	200ppm; 500mg/m ³	400ppm; 1000mg/m ³
Sweden	150ppm; 350 mg/m ³	250ppm;600 mg/m ³ 15 minutes average value
United Kingdom	400ppm; 999 mg/m ³	500ppm; 1250mg/m ³
108-05-4 Vinyl acetate		
Austria	5ppm; 17.6 mg/m ³	10ppm; 35.2 mg/m ³
Belgium	5ppm; 17.6 mg/m ³	10ppm; 35.2 mg/m ³ 15 minutes average value
Denmark	10ppm; 30 mg/m ³	20ppm; 60 mg/m ³
European Union	5ppm; 17.6 mg/m ³	10ppm; 35.2 mg/m ³ 15 minutes average value
Finland	5ppm; 18 mg/m ³	10ppm; 35 mg/m ³ 15 minutes average value
France	5ppm; 17.6 mg/m ³	10ppm; 35.2 mg/m ³
Germany (AGS)	5ppm; 18 mg/m ³	10ppm; 36 mg/m ³ 15 minutes average value
Ireland	5ppm; 18 mg/m ³	10ppm; 35 mg/m ³ 15 minutes reference period
Italy	5ppm; 17.6 mg/m ³	10ppm; 35.2 mg/m ³
Latvia	5ppm; 17.6 mg/m ³	10ppm; 35.2 mg/m ³ 15 minutes average value
Poland	10 mg/m ³	30 mg/m ³
Romania	5ppm; 17.6 mg/m ³	10ppm; 35.2 mg/m ³ 15 minutes average value
Spain	10ppm; 36 mg/m ³	15ppm; 54 mg/m ³
Sweden	5ppm; 18 mg/m ³	10ppm; 35 mg/m ³ 15 minutes average value
The Netherlands	18 mg/m ³	36 mg/m ³
*United Kingdom	10ppm; 36 mg/m ³	20ppm; 72 mg/m ³

*The UK Advisory Committee on Toxic Substances has expressed concern that, for the OELs shown in parentheses, health may not be adequately protected because of doubts that the limit was not soundly-based. These OELs were included in the published UK 2002 list and its 2003 supplement, but were omitted from editions published from 2005 onwards.

- DNELs:

DNEL type	DNEL worker value	DNEL consumer value
67-63-0 Propan-2-ol		
Systemic effects	Long-term, inhalation exposure	-
	Long-term, dermal exposure	-
	Long-term, oral exposure	-
		89 mg/m ³
		319 mg/kg bw/day
		26 mg/kg bw/day

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108-05-4 Vinyl acetate			
Systemic Effects	Long-term, inhalation exposure	17.6 mg/m ³	-
	Acute /short term, inhalation exposure	35.2 mg/m ³	-
	Long-term, dermal exposure	420 µg/kg bw/day	-
Local Effects	Long-term, inhalation exposure	17.6 mg/m ³	-
	Acute /short term, inhalation exposure	35.2 mg/m ³	-

• PNECs:

PNEC type	Value
67-63-0 Propan-2-ol	
Freshwater	140.9 mg/L
Intermittent releases (freshwater)	140.9 mg/L
Marine water	140.9 mg/L
Sewage treatment plant (STP)	2.251 g/L
Sediment (freshwater)	552 mg/kg sediment dw
Sediment (marine water)	552 mg/kg sediment dw
108-05-4 Vinyl acetate	
Freshwater	16 µg/L
Intermittent releases (freshwater)	126 µg/L
Marine water	1.6 µg/L
Sewage treatment plant (STP)	6 mg/L
Sediment (freshwater)	67 µg/kg sediment dw
Sediment (marine water)	6.7 µg/kg sediment dw
1338-41-6 Sorbitan stearate	
Freshwater	320 µg/L
Marine water	32 µg/L
Sediment (freshwater)	1.141 mg/kg sediment dw
Sediment (marine water)	1.141 mg/kg sediment dw

• **Additional information:** The lists valid during the marking were used as basis.

• 8.2 Exposure controls

• **Based on the composition shown in section 3, the following measures are suggested for occupational safety measure.**

• **Appropriate engineering controls:**

Handle in accordance with good industrial hygiene and safety practice; Wash hands and face before breaks and at the end of work; See section 7 for information about design of technical facilities.

• **Personal protective equipment**

• **Respiration protection:** Use positive pressure breathing mask if concentrations in air could exceed occupational exposure standard.

• **Protection of hands:**



Protective gloves

Gloves made from butyl rubber Neoprene™ rubber, nitrile rubber (thickness > 0.11mm; breakthrough times up to 480 minutes).

• **Eye protection:**

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Safety glasses

Protective goggles with side-shields.

· Environmental exposure controls:

Control measures must be made in accordance with Community environmental protection legislation.

SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· Appearance:

Form	Low viscosity liquid, paste
Color	White
Odor	No obvious odor
Odor threshold	Not determined
· pH-value	7 at 20°C
· Change in condition	
 Melting point/melting range	Not determined
 Boiling point and boiling range	About 100°C
· Freezing point	Not determined
· Flash point	34°C (closed cup)
· Flammability(solid, gas)	Not applicable
· Decomposition temperature	Not determined
· Self-ignition	Product is not self-igniting
· Danger of explosion	Product does not present explosive hazard
· Explosion limits	
 Lower:	Not explosive
 Upper:	Not explosive
· Oxidizing properties	Not determined
· Vapor pressure	Not determined
· Density	Not determined
· Relative density	1.02 at 20°C(water=1)
· Vapor density	Not determined
· Evaporation rate	Not determined
· Solubility in/Miscibility with	
 Water	Soluble in water
· Partition coefficient (n-octanol/water)	Not determined
· Viscosity	
 Dynamic	24,000-40,000 at 20°C
 Kinematic	Not determined
· 9.2 Other information	Data not available

SECTION 10: Stability and reactivity

· 10.1 Reactivity: No decomposition if used according to specification.

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- **10.2 Chemical stability:** Stable under recommended storage conditions.
- **10.3 Possibility of hazardous reactions:** No further relevant information available.
- **10.4 Conditions to avoid:** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- **10.5 Incompatible materials:** Strong acids, oxidizing agents.
- **10.6 Hazardous decomposition products:** No known hazardous decomposition products.

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:** Based on available data, the classification criteria are not met.
- **LD/LC50 values relevant for classification:** No animal test has been done for this product or the components.

67-63-0 Propan-2-ol		
Mouse	LD50-oral	3600mg/kg
Rabbit	LD50-oral	6410mg/kg
	LD50-skin	12800mg/kg
Rat	LD50-oral	5045mg/kg
	LC50-inhalation	16000ppm/8H
108-05-4 Vinyl acetate		
Guinea pig	LC50-inhalation	6200ppm/4H
Mouse	LC50-inhalation	1550ppm/4H
	LD50-oral	1600mg/kg
Rabbit	LC50-inhalation	2500ppm/4H
	LD50-skin	2335mg/kg
Rat	LD50-oral	2900mg/kg
	LC50-inhalation	11400mg/m ³ /4H

- **Skin corrosion/irritation:** Based on available data, the classification criteria are not met.
- **Serious eyes damage/ irritation:** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitization:** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity:** Based on available data, the classification criteria are not met.
- **Carcinogenicity:** Based on available data, the classification criteria are not met.
- **Reproductive toxicity:** Based on available data, the classification criteria are not met.
- **STOT-single exposure:** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure:** Based on available data, the classification criteria are not met.
- **Aspiration hazard:** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** Not hazardous to the aquatic environment.

67-63-0 Propan-2-ol	
Short-term toxicity to fish	LC50 (4 days) 9.64 - 10 g/L
Short-term toxicity to aquatic invertebrates	EC50 (24 h) 10 g/L
	LC50 (24 h) 10 g/L

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108-05-4 Vinyl acetate	
Long-term toxicity to fish	NOEC (34 days) 551 µg/L LOEC (34 days) 930 µg/L
Short-term toxicity to aquatic invertebrates	EC50 (48 h) 12.6 mg/L NOEC (48 h) 4.77 mg/L
Toxicity to aquatic algae and cyanobacteria	EC50 (72 h) 7.48 - 12.7 mg/L NOEC (72 h) 1.58 - 5.96 mg/L
1338-41-6 Sorbitan stearate	
Short-term toxicity to fish	LL50 (4 days) 1 g/L
Short-term toxicity to aquatic invertebrates	EL50 (48 h) 1 g/L
Long-term toxicity to aquatic invertebrates	LC50 (21 days) 1.82 mg/L NOELR (21 days) 16 mg/L
Toxicity to aquatic algae and cyanobacteria	EL50 (72 h) 1 g/L NOELR (72 h) 560 mg/L
Toxicity to microorganisms	EC50 (3 h) 100 mg/L NOEC (28 days) 100 mg/L

12.2 Persistence and degradability: Readily biodegradable.

67-63-0	Propan-2-ol	COD=2.23 g O ₂ /g; Readily biodegradable in water
108-05-4	Vinyl acetate	Readily biodegradable
1338-41-6	Sorbitan stearate	Readily biodegradable

12.3 Bio-accumulative potential: Low bio-accumulation.

67-63-0	Propan-2-ol	Log Pow= 0.05 at 25 °C
108-05-4	Vinyl acetate	Log Pow=0.73 at 25 °C and pH 7
1338-41-6	Sorbitan stearate	Log Pow=5.12 - 21.2

12.4 Mobility in soil: High mobility in soil.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable

12.6 Other adverse effects: No further relevant information available.

12.7 Additional ecological information

General notes: Water hazard class 1 (German Regulation) (self-assessment): Low hazard to waters.

Do not allow large quantities of the product to reach ground water, water course or sewage system.

SECTION 13: Disposal consideration

13.1 Waste treatment methods

Recommendation: Must not be disposed together with household garbage.

13.2 Un-cleaned packaging

Recommendation: Dispose of contents/container in according to the local/regional/national/ international regulation.

SECTION 14: Transport information


14.1 UN-Number

ADR, RID, ADN, IMDG, IATA

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<ul style="list-style-type: none"> 14.2 UN proper shipping name ADR, RID, ADN, IMDG, IATA 	FLAMMABLE LIQUID, N.O.S.
<ul style="list-style-type: none"> 14.3 Transport hazard class (es) ADR, RID, ADN, IMDG, IATA Class Label 	 3 Flammable liquids. 3
<ul style="list-style-type: none"> 14.4 Packing group ADR, RID, ADN, IMDG, IATA 	III
<ul style="list-style-type: none"> 14.5 Marine pollution 	No
<ul style="list-style-type: none"> 14.6 Special precautions for user Danger code (Kemler) EMS Number 	Warning: Flammable liquid 30 F-E,S-E
<ul style="list-style-type: none"> 14.7 UN "Model Regulation" 	UN 1993, FLAMMABLE LIQUID, N.O.S., 3, III

SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- MAK (German Maximum Workplace Concentration):

108-05-4	Vinyl acetate	3A
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- Directive 2012/18/EU
- Named dangerous substances-ANNEX I: None of the ingredients is listed.
- Seveso category: P5c FLAMMABLE LIQUIDS
- Qualifying quantity (tonnes) for the application of lower-tier requirements: 5000 ton(net)
- Qualifying quantity (tonnes) for the application of upper-tier requirements: 50000 ton(net)
- National regulations.
- Water hazard class: Water hazard class 1 (German Regulation) (self-assessment): Low hazard to waters.
- Other regulations, limitations and prohibitive regulations
- SVHC Candidate list of REACH Regulation Annex XIV Authorization: None of the ingredients is listed.
- REACH Regulation Annex XVII Restriction: None of the ingredients is listed.
- REACH Regulation Annex XIV Authorization List: None of the ingredients is listed.
- 15.2 Chemical safety assessment: A Chemical Safe Assessment has not been carried out.

SECTION 16: Other information

Relevant phrases:

- H225 Highly flammable liquid and vapour
- H226 Flammable liquid and vapour
- H319 Causes serious eye irritation
- H332 Harmful if inhaled
- H335 May cause respiratory irritation
- H336 May cause drowsiness or dizziness
- H351 Suspected of causing cancer

The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and

Regulation (EU) No 2015/830.

DISCLAIMER OF LIABILITY:

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

- Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road).

IMDG: International Maritime Code for Dangerous Goods.

IATA: International Air Transport Association.

GHS: Globally Harmonized System of Classification and Labeling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

PBT: Persistent, Bio accumulative and Toxic

SVHC: Substance of Very High Concern

LD50: Lethal dose, 50 percent

LC50: Lethal concentration, 50 percent

EC50: Concentration of maximal effect, 50 percent

LL50: Lethal loading rate, 50 percent

EL50: Effective loading rate, 50 percent

NOEC: No observed effect concentration

LOEC: Lowest Observed Effect Concentration

NOELR: No Observable Effect Loading Rate

COD: Chemical oxygen demand

Flam. Liq. 2: Flammable liquid, hazard category 2

Flam. Liq. 3: Flammable liquids, hazard category 3

Acute Tox. 4: Acute toxicity, hazard category 4

Eye Irrit. 2: Eye damage/irritation, hazard category 2

STOT SE 3: Specific target organ toxicity after single exposure, hazard category 3

Carc. 2: Carcinogenicity, hazard category 2

End of safety data sheet