

Design Report of Safety Data Sheet

Report No. : YGSDS240160B

Issue date: 2024.01.16

Product Name:	Masking Tape(Acrylic)
Manufacturer:	SHANGHAI YONGGUAN ADHESIVE PRODUCTS CORP.,LTD.
Composition of the product :	Paper: 50.0%; Butyl acrylate: 20.0%; Isooctyl acrylate: 20.0%; Acrylic acid: 10.0%.
Warranty of Design:	EU regulation No. 2020/878

Design Result of SDS please see next page.

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Approver: 刘妮



Safety Data Sheet

Masking Tape(Acrylic)

Version: V1.03

Report No.: YGSDS240160B

Creation Date: 2024/01/16

Revision Date: 2024/01/16

*Prepared according to EU regulation No. 2020/878

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

Product identifier

Product Name	Masking Tape(Acrylic)
CAS No.	Not applicable
EC No.	Not applicable
Molecular Formula	Not applicable
REACH Registration Number	-
UFI	No information available

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

Relevant identified uses	Mainly used for car paint masking.
Uses advised against	No special restrictions.

Details of the supplier of the Safety Data Sheet

Name of the company	SHANGHAI YONGGUAN ADHESIVE PRODUCTS CORP.,LTD.
Address of the company	NO.15 KANGGONG RD. ZHUJIAJIAO INDUSTRIAL ZONE. QINGPU. SHANGHAI. CHINA
Post code	201700
Telephone number	021-59832200
Fax number	021-59832200
E-mail address	459705652@qq.com


Emergency telephone number

Emergency telephone number	021-59835246
Opening hours	24h

2 Hazards identification

CLP classification according to Regulation (EC) No. 1272/2008

Skin Corrosion/Irritation	Category 1
Sensitization – Skin	Category 1
Eye Damage/Irritation	Category 1
Specific Target Organ Toxicity (Single Exposure)	Category 3
Hazardous To The Aquatic Environment – Short-Term (Acute) Hazard	Category 1
Hazardous To The Aquatic	Category 2

Environment – Long-Term (Chronic) Hazard	
GHS Label elements	
Hazard pictograms	
Signal word	Danger
Hazard statements	
H314	Causes severe skin burns and eye damage
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H335	May cause respiratory irritation
H400	Very toxic to aquatic life
H411	Toxic to aquatic life with long lasting effects
Precautionary statements	
◆ Prevention	
P260	Do not breathe dust/fume.
P264	Wash face and hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
◆ Response	
P312	Call a POISON CENTRE/ doctor if you feel unwell.
P321	Specific treatment (see related instructions on this label).
P363	Wash contaminated clothing before reuse.
P391	Collect spillage.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
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 affected areas with water [or 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.
◆ Storage	
P405	Store locked up.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
◆ Disposal	
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards

- Results of PBT and vPvB assessment

Component	Results of PBT and vPvB assessment [according to (EC) No 1907/2006]
Butyl acrylate	Not PBT/vPvB
Isooctyl acrylate	Not PBT/vPvB
Acrylic acid	Not PBT/vPvB

- Results of endocrine disrupting properties assessment

Results of endocrine disrupting properties assessment	Insufficient information, temporarily unable to evaluate
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- Other

Other	Not applicable.
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3 Composition/information on ingredients

Substance/mixture

Substance/mixture	Mixture
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Component	Weight % content (or range)	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific Conc. Limits, M-factors
Paper CAS: 65996-61-4 EC: - Index No.: -	50	Not Classified	-
Butyl acrylate CAS: 141-32-2 EC: 205-480-7 Index No.: 607-062-00-3	20	Flammable Liquids, Category 3, H226; Skin Corrosion/Irritation, Category 2, H315; Eye Damage/Irritation, Category 2, H319; Sensitization – Skin, Category 1, H317; Specific Target Organ Toxicity (Single Exposure), Category 3, H335	-
Isooctyl acrylate CAS: 29590-42-9 EC: 249-707-8 Index No.: 607-244-00-2	20	Skin Corrosion/Irritation, Category 2, H315; Eye Damage/Irritation, Category 2, H319; Specific Target Organ Toxicity (Single Exposure), Category 3, H335; Hazardous To The Aquatic Environment – Short-Term (Acute) Hazard, Category 1, H400; Hazardous To The Aquatic Environment – Long-Term(Chronic) Hazard, Category 1, H410	H335:C≥10%
Acrylic acid CAS: 79-10-7 EC: 201-177-9 Index No.: 607-061-00-8	10	Flammable Liquids, Category 3, H226; Acute Toxicity – Oral, Category 4, H302; Acute Toxicity – Dermal, Category 4, H312; Skin Corrosion/Irritation, Category 1A, H314; Acute Toxicity – Inhalation, Category 4, H332; Hazardous To The Aquatic Environment – Short-Term (Acute) Hazard, Category 1, H400	H335:C≥1%

4 First-aid measures

Description of first aid measures

General advice	Immediate medical attention is required. Show this safety data sheet (SDS) to the doctor in attendance.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician if feel uncomfortable.
Skin contact	Take off contaminated clothing and shoes immediately. Wash off with plenty of soap and water for at least 15 minutes and consult a physician if feel uncomfortable.
Ingestion	Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.
Inhalation	Move victim into fresh air. If breathing is difficult, give oxygen. Do not use mouth to mouth resuscitation if victim ingested or inhaled the substance. If not breathing, give artificial respiration and consult a physician immediately.
Protecting of first-aiders	Ensure that medical personnel are aware of the substance involved. Take precautions to protect themselves and prevent spread of contamination.

Most important symptoms/effects, acute and delayed

1	Substance accumulation, in the human body, may occur and may cause some concern following repeated or long-term occupational exposure.
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Indication of any immediate medical attention and special treatment needed

1	Treat symptomatically.
2	Symptoms may be delayed.

5 Fire-fighting measures**Extinguishing media**

Suitable extinguishing media	Dry chemical, carbon dioxide or alcohol-resistant foam.
Unsuitable extinguishing media	Do not use a solid water stream.

Specific hazards arising from the substance or mixture

1	Fire may produce irritating, poisonous or corrosive gases.
2	Development of hazardous combustion gases or vapor possible in the event of fire.

Advice for firefighters

1	As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear.
2	Fight fire from a safe distance, with adequate cover.
3	Prevent fire extinguishing water from contaminating surface water or the ground water system.

6 Accidental release measures**Personal precautions, protective equipment and emergency procedures**

1	Fully encapsulating, vapor protective clothing should be worn for spills and leaks with no fire.
2	Do not touch or walk through spilled material.
3	Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
4	Ensure adequate ventilation. Remove all sources of ignition. Take precautionary measures against static discharges.
5	Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.
6	Use personal protective equipment. Avoid breathing mist or dust.

Environmental precautions

1	Prevent further leakage or spillage if safe to do so.
2	Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up

1	Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.
2	Use clean, non-sparking tools to collect absorbed material.
3	Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

7 Handling and storage**Precautions for safe handling**

◆ Protective measures

1	Handling is performed in a well ventilated place.
2	Wear suitable protective equipment.
3	Avoid contact with skin and eyes.

◆ Measures to prevent fire

1	Keep away from heat/sparks/open flames/ hot surfaces.
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◆ Measures to prevent aerosol and dust generation

1	Avoid formation of dust and aerosols.
2	Provide appropriate exhaust ventilation at places where dust is formed.

◆ Advice on general occupational hygiene

1	Wash hands and face after using of the substances.
2	Replace the contaminated clothing immediately.

Conditions for safe storage, including any incompatibilities

1	Keep containers tightly closed.
2	Keep containers in a dry, cool and well-ventilated place.
3	Keep away from heat/sparks/open flames/hot surfaces.
4	Store away from incompatible materials and foodstuff containers.
5	Storage temperature generally should not be higher than 30 °C, relative humidity generally should not be higher than 80%.

Specific end use(s)

1	In addition to use mentioned in the first parts, unforeseen other specific end uses.
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8 Exposure controls/personal protection**Control parameters**

Component	Country/Region	Limit value - Eight hours		Limit value - Short term	
		ppm	mg/m ³	ppm	mg/m ³
Butyl acrylate	USA - NIOSH	10	55	-	-
	South Korea	2	11	10	55

	Ireland	2	11	10	53
	Germany (AGS)	2	11	4	22
	Denmark	2	11	4	22
	Australia	1	5	5	26
Acrylic acid	USA - NIOSH	2	6	-	-
	South Korea	2	6	-	-
	Ireland	2	6	-	-
	Germany (AGS)	10	30	10	30
	Denmark	2	5.9	4	11.8
	Australia	2	5.9	-	-

◆ Biological limit values

Biological limit values	No relevant regulations
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◆ Monitoring methods

1	EN 14042 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.
2	GBZ/T 300.1~GBZ/T 300.160-2017; GBZ/T 300.161~GBZ/T 300.164-2018 Determination of toxic substances in workplace air (Series standard).

◆ Derived No effect level (DNEL)

Component	Route of exposure	DNEL for Workers			
		Acute effects (local)	Acute effects (systemic)	Chronic effects (local)	Chronic effects (systemic)
Paper	Inhalation	No data available	No data available	No data available	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Butyl acrylate	Inhalation	No data available	No data available	11 mg/m ³	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Isooctyl acrylate	Inhalation	No data available	No data available	No data available	21 mg/m ³
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available
Acrylic acid	Inhalation	No data available	No data available	30 mg/m ³	No data available
	Oral	No data available	No data available	No data available	No data available
	Dermal	No data available	No data available	No data available	No data available

◆ Predicted No Effect Concentration (PNEC)

Predicted No Effect Concentration (PNEC)	No information available
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Engineering controls

1	Ensure adequate ventilation, especially in confined areas.
2	Ensure that eyewash stations and safety showers are close to the workstation location.
3	Set up emergency exit and necessary risk-elimination area.

4 Handle in accordance with good industrial hygiene and safety practice.

Personal protection equipment

General requirement	
Eye protection	Tightly fitting safety goggles (approved by EN 166(EU) or NIOSH(US)).
Hand protection	Wear protective gloves (such as butyl rubber) , passing the tests according to EN 374(EU), US F739 or AS/NZS 2161.1 standard.
Respiratory protection	If exposure limits are exceeded or if irritation or other symptoms are experienced, use a full-face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges.
Skin and body protection	Wear corrosion-resistant protective clothing and protective boots.

9 Physical and chemical properties and safety characteristics

Physical and chemical properties

Physical state	Solid
Colour	No information available
Odor	No information available
Odor threshold	No information available
pH	No information available
Melting point/freezing point(°C)	No information available
Initial boiling point and boiling range(°C)	No information available
Flash point(Closed cup,°C)	Not applicable
Evaporation rate	Not applicable
Flammability	Combustible
Upper/lower explosive limits[%(v/v)]	Upper limit: No information available; Lower limit: No information available
Vapor pressure	Not applicable
Vapor density(Air = 1)	Not applicable
Relative density(Water=1)	No information available
Solubility	Insoluble in water
n-octanol/water partition coefficient	No information available
Auto-ignition temperature(°C)	No information available
Decomposition temperature(°C)	No information available
Viscosity	Not applicable
Explosive properties	Not explosive
Oxidizing properties	Not oxidizing
Particle characteristics	No information available

10 Stability and reactivity

Stability and reactivity

Reactivity	Contact with incompatible substances can cause decomposition or other chemical reactions.
Chemical stability	Stable under proper operation and storage conditions.
Possibility of hazardous reactions	In contact with inorganic acids and organic peroxides causes a severe polymerization.
Conditions to avoid	Incompatible materials, heat, flame and spark.
Incompatible materials	Inorganic acids, alkali and organic peroxides.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11 Toxicological information

| Acute toxicity

Component	LD ₅₀ (oral)	LD ₅₀ (dermal)	LC ₅₀ (inhalation,4h)
Isooctyl acrylate	> 5000mg/kg(Rat)	No information available	No information available
Butyl acrylate	900mg/kg(Rat)	No information available	14.311mg/L(Rat)
Acrylic acid	33.5mg/kg(Rat)	No information available	No information available

| Carcinogenicity

Component	List of carcinogens by the IARC Monographs	Report on Carcinogens by NTP
Paper	Not Listed	Not Listed
Butyl acrylate	Category 3	Not Listed
Isooctyl acrylate	Not Listed	Not Listed
Acrylic acid	Category 3	Not Listed

| Endocrine disrupting properties

Endocrine disrupting properties	No information available
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| Others

Masking Tape(Acrylic)	
Skin corrosion/irritation	Causes severe skin burns and eye damage(Category 1)
Serious eye damage/irritation	Causes serious eye damage(Category 1)
Skin sensitization	May cause an allergic skin reaction(Category 1)
Respiratory sensitization	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	May cause respiratory irritation(Category 3)
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
Germ cell mutagenicity	Based on available data, the classification criteria are not met
Reproductive toxicity(additional)	Based on available data, the classification criteria are not met

12 Ecological information

| Acute aquatic toxicity

Component	Fish	Crustaceans	Algae
Butyl acrylate	LC ₅₀ : 2.4mg/L (96h)(Fish)	EC ₅₀ : 5.2mg/L (48h)(Crustaceans)	ErC ₅₀ : 1.7mg/L (72h)(Algae)
Acrylic acid	LC ₅₀ : 62mg/L (96h)(Fish)	EC ₅₀ : 47mg/L (48h)(Crustaceans)	ErC ₅₀ : 0.75mg/L (72h)(Algae)

Chronic aquatic toxicity

Component	Fish	Crustaceans	Algae
Butyl acrylate	No information available	NOEC: 1.0mg/L(Crustaceans)	NOEC: 0.077mg/L(Algae)
Acrylic acid	No information available	No information available	NOEC: 0.030mg/L(Algae)

Persistence and degradability

Component	Persistence (water/soil)	Persistence (air)
Isooctyl acrylate	Low	Low

Bioaccumulative potential

Component	Bioaccumulative potential	Comments
Isooctyl acrylate	Medium	Log Kow=3.93

Mobility in soil

Component	Mobility in soil	Soil Organic Carbon-Water Partitioning Coefficient (K _{oc})
Isooctyl acrylate	Low	390.9

Results of PBT and vPvB assessment

Component	Results of PBT and vPvB assessment [according to (EC) No 1907/2006]
Butyl acrylate	Not PBT/vPvB
Isooctyl acrylate	Not PBT/vPvB
Acrylic acid	Not PBT/vPvB

Endocrine disrupting properties

Endocrine disrupting properties	No information available
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13 Disposal considerations

Disposal considerations

Waste chemicals	Before disposal should refer to the relevant national and local laws and regulation. Recommend the use of incineration disposal.
Contaminated packaging	Containers may still present chemical hazard when empty. Keep away from hot and ignition source of fire. Return to supplier for recycling if possible.
Disposal recommendations	Refer to section waste chemicals and contaminated packaging.

14 Transport information

Label and Mark

Transporting Label	
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IMDG-CODE

UN number	1759
UN proper shipping name	CORROSIVE SOLID, N.O.S. (Acrylic acid)
Transport hazard class	8
Transport subsidiary hazard class	None
Packing group	II
Special provisions	274
Limited quantities	1kg
Excepted quantities	E2
Marine pollutant (Yes or no)	Yes
EmS No.	F-A,S-B

IATA-DGR

UN number	1759
UN proper shipping name	CORROSIVE SOLID, N.O.S. (Acrylic acid)
Transport hazard class	8
Transport subsidiary hazard class	None
Packing group	II
Excepted quantities	E2
Passenger and Cargo Aircraft Limited Quantity Packing Instructions	Y844
Passenger and Cargo Aircraft Limited Quantity Maximum net Quantity per Package	5 kg
Passenger and Cargo Aircraft Packing Instructions	859
Passenger and Cargo Aircraft Maximum net Quantity per Package	15 kg
Cargo Aircraft Packing Instructions	863
Cargo Aircraft Maximum net Quantity per Package	50 kg
Special provisions	A3、A803
ERG code	8L

UN-ADR

UN number	1759
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UN proper shipping name	CORROSIVE SOLID, N.O.S. (Acrylic acid)
Transport hazard class	8
Transport subsidiary hazard class	None
Packing group	II
Special provisions	274
Limited quantities	1 kg
Excepted quantities	E2
Packing instructions	P002 IBC08
Special packing provisions	B4
Mixed packing provisions	MP10
Portable tanks and bulk containers instructions	T3
Portable tanks and bulk containers special provisions	TP33
ADR tank code	SGAN L4BN
ADR tank special provisions	-
Vehicle for tank carriage	AT
Transport category(Tunnel restriction code)	2 (E)
Special provisions for carriage(Packages)	V11
Special provisions for carriage (Bulk)	-
Special provisions for carriage (Loading, unloading and handling)	-
Special provisions for carriage (Operation)	-
Hazard identification No.	80
Notes	-

15 Regulatory information

International chemical inventory

Component	EINECS	TSCA	DSL	IECSC	NZIoC	PICCS	KECI	AIIC	ENCS
Paper	×	×	×	×	×	×	×	×	×
Butyl acrylate	√	√	√	√	√	√	√	√	√
Isooctyl acrylate	√	√	√	√	√	√	√	√	√
Acrylic acid	√	√	√	√	√	√	√	√	√

[EINECS] European Inventory of Existing Commercial Chemical Substances

[TSCA] United States Toxic Substances Control Act Inventory

[DSL] Canadian Domestic Substances List

[IECSC] China Inventory of Existing Chemical Substances

[NZIoC] New Zealand Inventory of Chemicals

[PICCS] Philippines Inventory of Chemicals and Chemical Substances

[KECI] Korea Existing Chemicals Inventory

[AIIC] Australia. Inventory of Industrial Chemicals (AIIC)

European chemical inventory

Component	A	B	C	D	E	F	G
Paper	x	x	x	x	x	x	x
Butyl acrylate	x	x	√	√	√	√	x
Isooctyl acrylate	x	x	x	√	√	x	x
Acrylic acid	x	x	√	√	√	x	x

[A] Candidate list of Substances of Very High Concern for authorization under EU REACH regulation

[B] Substances requiring authorisation under EU REACH regulation

[C] Substances restricted under EU REACH

[D] Pre-registered substances under EU REACH

[E] Registered substances under EU REACH

[F] Substance Evaluation – CoRAP under EU REACH

[G] List of priority substances under EU water policy (Directive 2455/2001/EC)

Note:

“√” Indicates that the substance included in the regulations.

“x” No data or not included in the regulations.

16 Other information

Information on revision

Creation Date	2024/01/16
Revision Date	2024/01/16
Reason for revision	-

Reference

- [1] IPCS: The International Chemical Safety Cards (ICSC), website: <http://www.ilo.org/dyn/icsc/showcard.home>.
- [2] IARC, website: <http://www.iarc.fr/>.
- [3] OECD: The Global Portal to Information on Chemical Substances, website: <https://www.echemportal.org/echemportal/substancesearch/index.action>.
- [4] CAMEO Chemicals, website: <http://cameochemicals.noaa.gov/search/simple>.
- [5] NLM: ChemIDplus, website: <http://chem.sis.nlm.nih.gov/chemidplus/chemidlite.jsp>.
- [6] EPA: Integrated Risk Information System, website: <http://cfpub.epa.gov/iris/>.
- [7] U.S. Department of Transportation: ERG, website: <http://www.phmsa.dot.gov/hazmat/library/erg>.
- [8] Germany GESTIS-database on hazard substance, website: <http://gestis-en.itrust.de/>.

Abbreviations and acronyms

CAS	Chemical Abstracts Service	UN	The United Nations
PC-STEL	Short term exposure limit	OECD	Organization for Economic Co-operation and Development
PC-TWA	Time Weighted Average	IMDG	International Maritime Dangerous Goods
MAC	Maximum Allowable Concentration	IARC	International Agency for Research on Cancer
DNEL	Derived No Effect Level	ICAO	International Civil Aviation Organization
PNEC	Predicted No Effect Concentration	IATA	International Air Transportation Association
NOEC	No Observed Effect Concentration	ACGIH	American Conference of Governmental Industrial Hygienists
LC ₅₀	Lethal Concentration 50%	NFPA	National Fire Protection Association
LD ₅₀	Lethal Dose 50%	NTP	National Toxicology Program
EC ₅₀	Effective Concentration 50%	PBT	Persistent, Bioaccumulative, Toxic
EC _x	Effective Concentration X%	vPvB	very Persistent, very Bioaccumulative
P _{ow}	Partition coefficient Octanol: Water	CMR	Carcinogens, mutagens or substances toxic to reproduction
BCF	Bioconcentration factor	RPE	Respiratory Protective Equipment
ED	Endocrine disruptor		

Disclaimer

This Safety Data Sheet (SDS) was prepared according to REACH Regulation. The data included was derived from international authoritative database and provided by the enterprise. Other information was based on the present state of our knowledge. We try to ensure the correctness of all information. However, due to the diversity of information sources and the limitations of our knowledge, this document is only for user's reference. Users should make their independent judgment of suitability of this information for their particular purposes. We do not assume responsibility for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.