We create chemistry

Safety Data Sheet
ELASTOCAST® ADKM2

1. Identification

Product identifier used on the label

ELASTOCAST® ADKM2

Recommended use of the chemical and restriction on use

Recommended use*: polyurethane component; industrial chemicals
Suitable for use in industrial sector: Polymers industry; chemical industry
Unsuitable for use: Uses other than recommended

* The “Recommended use” identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

Details of the supplier of the safety data sheet

Company:
BASF CORPORATION
100 Park Avenue
Florham Park, NJ 07932, USA

Telephone: +1 973 245-6000

Emergency telephone number

24 Hour Emergency Response Information
CHEMTREC: 1-800-424-9300
BASF HOTLINE: 1-800-832-HELP (4357)

Other means of identification

Chemical family: catalyst
Synonyms: Dibutyltin Dilaurate

2. Hazards Identification

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Classification of the product

Skin Corr./Irrit.	1C	Skin corrosion/irritation
Eye Dam./Irrit.	1	Serious eye damage/eye irritation
Skin Sens.	1	Skin sensitization

Muta.	2	Germ cell mutagenicity
Repr.	1B (fertility)	Reproductive toxicity
Repr.	1B (unborn child)	Reproductive toxicity
STOT SE	1	Specific target organ toxicity — single exposure
STOT RE	1 (oral)	Specific target organ toxicity — repeated exposure
Aquatic Acute	2	Hazardous to the aquatic environment - acute
Aquatic Chronic	2	Hazardous to the aquatic environment - chronic

Label elements

Pictogram:

Signal Word:
Danger

Hazard Statement:

H317	May cause an allergic skin reaction.
H341	Suspected of causing genetic defects.
H360	May damage fertility. May damage the unborn child.
H314	Causes severe skin burns and eye damage.
H370	Causes damage to organs (Thymus gland).
H372	Cause damage to organs (Thymus gland) through prolonged or repeated exposure (oral).
H401	Toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

Precautionary Statements (Prevention):

P280	Wear protective gloves, protective clothing and eye protection or face protection.
P273	Avoid release to the environment.
P260	Do not breathe dust/gas/mist/vapours.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P270	Do not eat, drink or smoke when using this product.
P264	Wash contaminated body parts thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.

Precautionary Statements (Response):

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or physician.
P303 + P361 + P353	IF ON SKIN (or hair): Remove or Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P308 + P313	IF exposed or concerned: Get medical attention.
P301 + P330 + P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P391	Collect spillage.

Precautionary Statements (Storage):

P405 Store locked up.

Precautionary Statements (Disposal):
P501 Dispose of contents/container in accordance with local regulations.

Hazards not otherwise classified

No specific dangers known, if the regulations/notes for storage and handling are considered.

3. Composition / Information on Ingredients

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

dibutyltin dilaurate
CAS Number: 77-58-7
Content (W/W): >= 75.0 - <= 100.0%
Synonym: Dibutylbis[1-oxododecyl)oxy]stannane; Dibutyltin dilaurate

4. First-Aid Measures

Description of first aid measures

General advice:
First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Immediately remove contaminated clothing.

If inhaled:
Keep patient calm, remove to fresh air, seek medical attention. Immediately administer a corticosteroid from a controlled/metered dose inhaler.

If on skin:
Immediately wash thoroughly with plenty of water, apply sterile dressings, consult a skin specialist. Immediate medical attention required.

If in eyes:
Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Remove contact lenses, if present. Immediate medical attention required.

If swallowed:
Do not induce vomiting. Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention. Immediate medical attention required.

Most important symptoms and effects, both acute and delayed

Symptoms: allergic symptoms, skin corrosion, corneal injury, Ingestion may cause gastrointestinal irritation with nausea, vomiting and diarrhea.

Information on: dibutyltin dilaurate
Symptoms: Overexposure may cause:, unconsciousness, vomiting, abdominal cramps, dyspnea, diarrhea, coughing

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Hazards: Symptoms can appear later.

Indication of any immediate medical attention and special treatment needed

Note to physician
Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:
water spray, dry powder, carbon dioxide, foam

Unsuitable extinguishing media for safety reasons:
water jet

Special hazards arising from the substance or mixture
Hazards during fire-fighting:
carbon dioxide, carbon monoxide, Tin oxide (SnO2),
The substances/groups of substances mentioned can be released in case of fire.

Advice for fire-fighters
Protective equipment for fire-fighting:
Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Further information:
Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. Accidental release measures

Further accidental release measures:
High risk of slipping due to leakage/spillage of product.

Personal precautions, protective equipment and emergency procedures
Use personal protective clothing.

Environmental precautions
Do not empty into drains. Do not discharge into the subsoil/soil.

Methods and material for containment and cleaning up
Spills should be contained, solidified, and placed in suitable containers for disposal.

7. Handling and Storage

Precautions for safe handling

Ensure thorough ventilation of stores and work areas. Avoid inhalation of dusts/mists/vapours. When using do not eat, drink or smoke. Wear suitable gloves and eye/face protection. Protect against moisture.

Protection against fire and explosion:
No special precautions necessary.

Conditions for safe storage, including any incompatibilities

Segregate from foods and animal feeds. Segregate from acids. Segregate from oxidants.

Suitable materials for containers: Carbon steel (Iron), High density polyethylene (HDPE), Low density polyethylene (LDPE), tinned carbon steel (Tinplate), Stainless steel 1.4306 (V2A), Stove-lacquer Valspar HXC0001

Further information on storage conditions: Containers should be stored tightly sealed in a dry place.

Storage stability:
Storage temperature: 0 - 49 °C
Storage duration: 24 Months
Protect against moisture.
The stated storage temperature is noted for health and safety in the workplace. With regard to Quality, please refer to the product specific Technical Bulletin.

8. Exposure Controls/Personal Protection

Components with occupational exposure limits

dibutyltin dilaurate	ACGIH, US:	TWA value 0.1 mg/m3 (tin (Sn));
	ACGIH, US:	STEL value 0.2 mg/m3 (tin (Sn));
	OSHA Z1:	PEL 0.1 mg/m3 (tin (Sn));
	ACGIH, US:	Skin Designation (tin (Sn)); Danger of cutaneous absorption

Advice on system design:
Provide local exhaust ventilation to control vapours/mists.

Personal protective equipment

Respiratory protection**:**
Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator as needed.

Observe OSHA regulations for respirator use (29 CFR 1910.134).

Hand protection**:**
Chemical resistant protective gloves

Eye protection:
Wear face shield or tightly fitting safety goggles (chemical goggles) if splashing hazard exists.

Body protection:
Body protection must be chosen depending on activity and possible exposure, e.g. head protection, apron, protective boots, chemical-protection suit.

General safety and hygiene measures:
Avoid contact with skin and eyes. Handle in accordance with good industrial hygiene and safety practice. Wear protective clothing as necessary to prevent contact. Avoid inhalation of vapours/mists. Wash soiled clothing immediately. Do not eat, drink or use tobacco while working. Wash thoroughly after handling.

9. Physical and Chemical Properties

Form:	liquid	
Odour:	faint odour	
Odour threshold:	No applicable information available.	
Colour:	yellow	
pH value:	No data available.	
Freezing point:	8 °C	
Melting point:	No data available.	
Boiling point:	> 200 °C	
Sublimation point:	No applicable information available.	
Flash point:	> 180 °C	(open cup)
Flammability:	not flammable	(derived from flash point)
Lower explosion limit:	For liquids not relevant for classification and labelling. The lower explosion point may be 5 - 15 °C below the flash point.	
Upper explosion limit:	For liquids not relevant for classification and labelling.	
Autoignition:	> 250 °C	
Vapour pressure:	< 0.1 hPa (20 °C)	
Density:	1.05 g/cm3 (20 °C)	
Relative density:	No applicable information available.	
Vapour density:	No applicable information available.	
Partitioning coefficient n-octanol/water (log Pow):	not applicable	
Self-ignition temperature:	not self-igniting	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Viscosity, dynamic:	30 mPa.s (20 °C) No applicable information available.	
Viscosity, kinematic:	No applicable information available.	
Solubility in water:	< 0.1 g/l (20 °C) partly soluble	
Solubility (quantitative):	No applicable information available.	
Solubility (qualitative):	No applicable information available.	
Molar mass:	not applicable	
Evaporation rate:	Value can be approximated from Henry's Law Constant or vapor pressure.	
Other Information:	If necessary, information on other physical and chemical parameters is indicated in this section.	

10. Stability and Reactivity

Reactivity
No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals:
No data available.

Oxidizing properties:
not fire-propagating

Chemical stability
The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions
No hazardous reactions if stored and handled as prescribed/indicated.

Conditions to avoid
Temperature: < 0 degrees Celsius

Incompatible materials
acids, oxidizing agents, bases

Hazardous decomposition products

Decomposition products:
Hazardous decomposition products: carbon monoxide, carbon dioxide

Thermal decomposition:
No decomposition if stored and handled as prescribed/indicated.

11. Toxicological information

Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Acute Toxicity/Effects

Acute toxicity
Assessment of acute toxicity: Of low toxicity after single ingestion. Virtually nontoxic after a single skin contact.

Information on: dibutyltin dilaurate
Assessment of acute toxicity:Of low toxicity after single ingestion. Virtually nontoxic after a single skin contact.

Oral
Type of value: LD50
Species: rat (male)

Value: 2,071 mg/kg

Inhalation
Type of value: ATE
Value: > 2,000 mg/l

Dermal
No applicable information available.

Assessment other acute effects
Assessment of STOT single:
A single exposure to small quantities may have toxic effects on specific organs.

Irritation / corrosion
Assessment of irritating effects: Corrosive! Damages skin and eyes. May cause severe damage to the eyes.

Information on: dibutyltin dilaurate
Assessment of irritating effects: Corrosive! Damages skin and eyes.

Sensitization
Assessment of sensitization: May cause sensitization by skin contact.

Information on: dibutyltin dilaurate
Assessment of sensitization:
Sensitization after skin contact possible.

Aspiration Hazard
No aspiration hazard expected.

Chronic Toxicity/Effects

Repeated dose toxicity
Assessment of repeated dose toxicity: Repeated exposure to small quantities may affect certain organs.

Information on: dibutyltin dilaurate
Assessment of repeated dose toxicity: Repeated exposure to small quantities may affect certain organs.

Genetic toxicity
Assessment of mutagenicity: Mutagenic properties can not be excluded on the basis of experimental data.

Information on: dibutyltin dilaurate
Assessment of mutagenicity: Mutagenic properties can not be excluded on the basis of experimental data.

Carcinogenicity

Assessment of carcinogenicity: The chemical structure does not suggest a specific alert for such an effect. No applicable information available.

Reproductive toxicity
Assessment of reproduction toxicity: Causes impairment of fertility in laboratory animals.

Information on: dibutyltin dilaurate
Assessment of reproduction toxicity: Causes impairment of fertility in laboratory animals. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Teratogenicity
Assessment of teratogenicity: The substance caused malformations/developmental toxicity in laboratory animals.

Information on: dibutyltin dilaurate
Assessment of teratogenicity: The substance caused malformations/developmental toxicity in laboratory animals.

Other Information
The product has not been tested. The statement has been derived from the properties of the individual components.

Medical conditions aggravated by overexposure
Individuals with pre-existing diseases of the skin, asthma or other respiratory disorders may have increased susceptibility to excessive exposures. Individuals with pre-existing diseases of the liver or kidneys may have increased susceptibility to excessive exposures.

12. Ecological Information

Toxicity

Aquatic toxicity
Assessment of aquatic toxicity:
Acutely toxic for aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Toxicity to fish

Information on: dibutyltin dilaurate
LC50 (96 h) > 3.1 mg/l, Brachydanio rerio (OECD 203; ISO 7346; 84/449/EEC, C.1, static)
No toxic effects occur within the range of solubility. Limit concentration test only (LIMIT test).

Aquatic invertebrates

Information on: dibutyltin dilaurate
EC50 (48 h) 1.7 - 3.4 mg/l, Daphnia magna (OECD Guideline 202, part 1, static)
Limit concentration test only (LIMIT test).

Aquatic plants

Information on: dibutyltin dilaurate
EC50 (72 h) > 1 mg/l (growth rate), Scenedesmus subspicatus (OECD Guideline 201, static)
No toxic effects occur within the range of solubility.

Assessment of terrestrial toxicity
No data available concerning terrestrial toxicity.

Microorganisms/Effect on activated sludge

Toxicity to microorganisms

Information on: dibutyltin dilaurate
OECD Guideline 209 static
activated sludge of a predominantly domestic sewage/EC50 (3 h): > 1,000 mg/l
No toxic effects occur within the range of solubility.

Persistence and degradability

Assessment biodegradation and elimination (H2O)
Poorly biodegradable.

Bioaccumulative potential

Assessment bioaccumulation potential
The product contains components with potential for bioaccumulation

Bioaccumulation potential
Accumulation in organisms is expected. Discharge into the environment must be avoided.

Mobility in soil

Assessment transport between environmental compartments
Adsorption to solid soil phase is possible.

Additional information

Adsorbable organically-bound halogen(AOX):
This product contains no organically-bound halogen.

Other ecotoxicological advice:
The product has not been tested. Do not discharge product into the environment without control.

13. Disposal considerations

Waste disposal of substance**:**
Do not discharge substance/product into sewer system. Incinerate or dispose of in a licensed facility.

Container disposal:
Do not reuse empty containers. Under no circumstances should empty drums be burned or cut open with gas or electric torch as toxic decomposition products may be liberated. Steel drums must be emptied and can be sent to a licensed drum reconditioner for reuse, a scrap metal dealer or an approved landfill. Do not attempt to refill or clean containers since residue is difficult to remove.

14. Transport Information

Land transport
USDOT

Hazard class:	8
Packing group:	III
ID number:	UN 3265
Hazard label:	8
Proper shipping name:	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (contains DIBUTYL-TIN-DILAURATE)

Sea transport
IMDG

Hazard class:	8
Packing group:	III
ID number:	UN 3265
Hazard label:	8, EHSM
Marine pollutant:	NO
Proper shipping name:	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (contains DIBUTYL-TIN-DILAURATE)

Air transport
IATA/ICAO

Hazard class:	8
Packing group:	III
ID number:	UN 3265
Hazard label:	8
Proper shipping name:	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (contains DIBUTYL-TIN-DILAURATE)

15. Regulatory Information

Federal Regulations

Registration status:
Chemical TSCA, US released / listed

EPCRA 311/312 (Hazard categories): Refer to SDS section 2 for GHS hazard classes applicable for this product.

NFPA Hazard codes:
Health: 3 Fire: 1 Reactivity: 0 Special:

HMIS III rating
Health: 3¤ Flammability: 1 Physical hazard: 0

16. Other Information

SDS Prepared by:
BASF NA Product Regulations
SDS Prepared on: 2022/07/18

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

END OF DATA SHEET