

# SAFETY DATA SHEET (SDS-US)

Ancamide 2781LC

VA-No.

07013321

Version

3.1 / US

Revision date

09/10/2018

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

### 1.1. Product identifier

Trade name : Ancamide 2781LC

### 1.2. Recommended use of the chemical and restrictions on use

Recommended use : Curing Agent

Non-recommended use(s) : None known.

### 1.3. Details of the supplier of the safety data sheet

Company : Evonik Corporation  
Nutrition & Care  
PO Box 34628  
Richmond VA 23234  
USA

Telephone : +1 (0)804-727-0700

Telefax : +1 (0)804-727-0845

E-mail : us-productsafety-cs@evonik.com

#### Contact Canada

Company : Evonik Canada Inc.  
3380 South Service  
Burlington ON L7N 3J5  
Canada

Telephone : +1 (0)905-336-3423-

Telefax : +1 (0)905-332-5632

E-mail : us-productsafety-cs@evonik.com

### 1.4. Emergency telephone number

Emergency information : Non-Emergency Phone Number : (800) 732-5616

24 HOUR EMERGENCY TELEPHONE NUMBERS:  
CHEMTREC - US & CANADA toll free: +1-800-424-9300  
CHEMTREC - MEXICO toll free: 01-800-681-9531  
CHEMTREC GLOBAL - Collect calls accepted: +1-703-527-3887

## 2. Hazards identification

### 2.1. Classification of the substance or mixture

GHS classification in accordance with 29 CFR 1910.1200

Skin corrosion	Category 1B	H314
Serious eye damage	Category 1	H318
Skin Sensitisation	Category 1	H317

### 2.2. Label elements

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## GHS classification in accordance with 29 CFR 1910.1200

Symbol(s)



Signal word

: Danger

hazard statement

: H314 - Causes severe skin burns and eye damage.  
H317 - May cause an allergic skin reaction.

Precautionary Statement (Prevention)

: P261 - Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
P264 - Wash skin thoroughly after handling.  
P272 - Contaminated work clothing should not be allowed out of the workplace.  
P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection.

Precautionary Statement (Response)

: 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 skin with water/shower.  
P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
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/doctor.  
P333 + P313 - If skin irritation or rash occurs: Get medical advice/ attention.  
P363 - Wash contaminated clothing before reuse.

Precautionary Statement (Storage)

: P405 - Store locked up.

Precautionary Statement (Disposal)

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

### 2.3. Other hazards

None known.

## 3. Composition/information on ingredients

### Hazardous components

Chemical Name	NJ Trade secrets CAS-No.	Concentration	Classification
Polyamidoamide	- -	40 % - 70 %	H314, 1C, Skin Corr. H317, 1, Skin.sens. H400, 1, Aquatic Acute H410, 1, Aquatic Chronic
Cycloaliphatic amine	- -	5 % - 10 %	H314, 1B, Skin Corr.
Polyamine	- -	15 % - 45 %	H314, 1C, Skin Corr. H318, 1, Eye Dam. H412, 3, Aquatic Chronic

Texts of H phrases, see in Chapter 16

## 4. First aid measures

### 4.1. Description of first aid measures

General advice : Seek medical advice.

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If breathing has stopped or is labored, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately.

- Inhalation : Move to fresh air.
- Skin contact : Immediately remove contaminated clothing, and any extraneous chemical, if possible to do so without delay.  
Flush immediately with copious amounts of water.  
Initiate and maintain continuous irrigation until the patient receives medical care. If medical care is not promptly available, continue to irrigate for one hour.  
Cover wound with sterile dressing.  
NOTE TO PHYSICIANS: Application of corticosteroid cream has been effective in treating skin irritation. Wash off immediately with soap and plenty of water.
- Eye contact : Hold eyelids apart, initiate and maintain gentle and continuous irrigation until the patient receives medical care. If medical care is not promptly available, continue to irrigate for one hour. Rinse immediately with plenty of water for at least 15 minutes.
- Ingestion : Never give anything by mouth to an unconscious person.  
Do not induce vomiting without medical advice. Prevent aspiration of vomit. Turn victim's head to the side.

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

- Symptoms : None known
- Hazards : None known.

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

Treat symptomatically.

## 5. Fire-fighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Alcohol-resistant foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical  
Dry sand  
Limestone powder

Unsuitable extinguishing media : no data available

### 5.2. Special hazards arising from the substance or mixture

Incomplete combustion may form carbon monoxide.  
May generate ammonia gas.  
May generate toxic nitrogen oxide gases. Burning produces noxious and toxic fumes.  
Downwind personnel must be evacuated.

### 5.3. Advice for firefighters

Avoid contact with skin.  
A face shield should be worn.  
Use personal protective equipment.  
Wear self-contained breathing apparatus for firefighting if necessary.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.  
Do not allow run-off from fire fighting to enter drains or water courses.

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## 6. Accidental release measures

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

Use self-contained breathing apparatus and chemically protective clothing. Evacuate personnel to safe areas.

### 6.2. Environmental precautions

Do not allow spill to enter into sewers or waterways.

Use appropriate containment to avoid environmental contamination.

Construct a dike to prevent spreading.

### 6.3. Methods and material for containment and cleaning up

Approach suspected leak areas with caution.

Call Emergency Response number for advice. Place in appropriate chemical waste container.

If possible, stop flow of product.

## 7. Handling and storage

### 7.1. Precautions for safe handling

Advice on safe handling : Avoid contact with skin and eyes.  
Emergency showers and eye wash stations should be readily accessible.  
Adhere to work practice rules established by government regulations.  
Use personal protective equipment.

Hygiene measures : Provide readily accessible eye wash stations and safety showers.

General protective measures : Discard contaminated leather articles.

Remove contaminated clothing. Drench affected area with water for at least 15 minutes.

Wash hands at the end of each workshift and before eating, smoking or using the toilet.

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

#### Prevention of fire and explosion

Information : No special measures required.

#### Storage

Information : Do not store near acids. Keep containers tightly closed in a dry, cool and well-ventilated place.

Storage temperature : 21.1 - 25 °C

## 8. Exposure controls/personal protection

### 8.1. Control parameters

Contains no substances with occupational exposure limit values.

### 8.2. Exposure controls

#### Engineering controls

Appropriate engineering controls : Provide readily accessible eye wash stations and safety showers.  
Provide natural or explosion-proof ventilation adequate to ensure concentrations are kept below exposure limits.

#### Personal protective equipment

Eye protection : Full face shield with goggles underneath.

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Hand protection	: Neoprene gloves Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Impervious gloves
Body Protection	: No specific recommendation. Impervious clothing Rubber or plastic boots Slicker Suit.
Respiratory protection	: Not required for properly ventilated areas.

## 9. Physical and chemical properties

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

Physical state	: liquid
Form	: liquid
Colour	: amber
Odour	: amine-like
Odour Threshold	: no data available
pH	: alkaline
Melting point	: no data available
Boiling point	: Boiling point/range 182 °C
Flash point	: > 93.3 °C
Evaporation rate	: no data available
Flammability	: no data available
Upper Explosion/Ignition Limit	: no data available
Lower explosion limit	: no data available
Vapour pressure	: 6.53 hPa (21.1 °C) 15.07 hPa (54.4 °C)
Relative vapour density	: no data available
Relative density	: no data available
Solubility(ies)	: no data available
Partition coefficient: n-	: no data available

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octanol/water

Autoignition temperature : no data available

Thermal decomposition : no data available

Viscosity, kinematic : no data available

Viscosity, dynamic : 50 - 160 mPa.s  
(25 °C)

Explosive properties : no data available

Oxidising properties : no data available

## 9.2. Other information

Density : 0.93 g/cm<sup>3</sup>  
(21.1 °C)

0.90 g/cm<sup>3</sup>  
(54.4 °C)

## 10. Stability and reactivity

### 10.1. Reactivity

see section "Possibility of hazardous reactions"

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

### 10.4. Conditions to avoid

### 10.5. Incompatible materials

Organic acids (i.e. acetic acid, citric acid etc.).

Mineral acids.

sodium hypochlorite

Reaction with peroxides may result in violent decomposition of peroxide possibly creating an explosion. Oxidizing agents

### 10.6. Hazardous decomposition products

Carbon monoxide

Carbon dioxide (CO<sub>2</sub>)

Nitrogen oxides (NO<sub>x</sub>)

Nitrogen oxide can react with water vapors to form corrosive nitric acid.

Ammonia

## 11. Toxicological information

### 11.1. Information on toxicological effects

Irritation/corrosion of the skin : Corrosive to the skin of a rabbit.

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## US. National Toxicology Program (NTP) Report on Carcinogens

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

## US. IARC Monographs on Occupational Exposures to Chemical Agents

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

## US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Specific Target : no data available

Organ Toxicity -  
Single exposure

Specific Target : no data available

Organ Toxicity -  
Repeated exposure

Aspiration hazard : no data available

## 12. Ecological information

### Ecotoxicology Assessment

Acute aquatic toxicity : no data available

Chronic aquatic  
toxicity : no data available

### 12.1. Toxicity

Aquatotoxicity, fish :

Aquatotoxicity,  
invertebrates :

Aquatotoxicity, algae /  
aquatic plants :

Toxicity in  
microorganisms : no data available

chronic toxicity in fish : no data available

Chronic toxicity in  
aquatic Invertebrates : no data available

m-factor : Polyamidoamide  
Acute aquatic toxicity: 10  
Chronic aquatic toxicity: 1

### 12.2. Persistence and degradability

Photodegradation : no data available

Biological  
degradability :

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## 12.3. Bioaccumulative potential

Bioaccumulation : no data available

## 12.4. Mobility in soil

Environmental distribution : no data available

## 12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment : No data available

## 12.6. Other adverse effects

General Information : Do not allow to enter soil, waterways or waste water canal.

## 13. Disposal considerations

### 13.1. Waste treatment methods

Product : The product should not be allowed to enter drains, water courses or the soil; dispose of this material and its container in a safe way. Contact supplier if guidance is required.

Contaminated packaging : Dispose of container and unused contents in accordance with federal, state, and local requirements.

## 14. Transport information

### D.O.T. Road/Rail

14.1. UN number: UN 2735

14.2. UN proper shipping name: Amines, liquid, corrosive, n.o.s.(Polyetherdiamine, Cycloaliphatic amine, Polyamidoamide)

14.3. Transport hazard class(es): 8

14.4. Packing group: II

14.5. Environmental hazards (Marine pollutant): Yes

14.6. Special precautions for user: Yes

Keep separate from foodstuffs, luxury foods, feedstuffs

### Air transport ICAO-TI/IATA-DGR

14.1. UN number: UN 2735

14.2. UN proper shipping name: Amines, liquid, corrosive, n.o.s.(Polyetherdiamine, Cycloaliphatic amine)

14.3. Transport hazard class(es): 8

14.4. Packing group: II

14.5. Environmental hazards: --

14.6. Special precautions for user: Yes

Keep separate from foodstuffs, luxury foods, feedstuffs

### Sea transport IMDG-Code/GGVSee (Germany)

14.1. UN number: UN 2735

14.2. UN proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S.(Polyetherdiamine, Cycloaliphatic amine, Polyamidoamide)

14.3. Transport hazard class(es): 8

14.4. Packing group: II

14.5. Environmental hazards (Marine pollutant): Yes



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- 14.6. Special precautions for user: Yes  
EmS: F-A,S-B  
Keep separate from acids.  
Keep separate from foodstuffs, luxury foods, feedstuffs
- 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:  
for transport approval see regulatory information

## 15. Regulatory information

### US Federal Regulations

SARA Title III Section 311/312 Hazard Categories

- Acute Health Hazard

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required

- This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 302 Extremely Hazardous Substance (40 CFR 355, Appendix A)

- No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

### State Regulations

US. California Safe Drinking Water & Toxic Enforcement Act (Proposition 65)

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

### HMIS Ratings

Health:	3
Flammability:	1
Reactivity:	0

### Notification status

Europe (EINECS/ELINCS)	: listed/registered or exempted
USA (TSCA)	: listed/registered or exempted
Canada (DSL)	: not listed/registered
Australia (AICS)	: listed/registered or exempted
Japan (ENCS)	: listed/registered or exempted
Korea (TCCL)	: listed/registered or exempted
Philippines (PICCS)	: listed/registered or exempted
China (IECSC)	: listed/registered or exempted

## 16. Other information

### List of references

Revision date : 09/10/2018

### Relevant H phrases from chapter 3

H314	: Causes severe skin burns and eye damage.
H317	: May cause an allergic skin reaction.
H318	: Causes serious eye damage.
H400	: Very toxic to aquatic life.
H410	: Very toxic to aquatic life with long lasting effects.

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H412 : Harmful to aquatic life with long lasting effects.

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## Legend

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADNR	European agreement concerning the international carriage of dangerous goods by inland waterways (ADN)
ASTM	American Society for Testing and Materials
ATP	Adaptation to Technical Progress
BCF	Bioconcentration factor
BetrSichV	German Ordinance on Industrial Safety and Health
c.c.	closed cup
CAS	Chemical Abstract Services
CESIO	European Committee of Organic Surfactants and their Intermediates
ChemG	German Chemicals Act
CMR	carcinogenic-mutagenic-toxic for reproduction
DIN	German Institute for Standardization
DMEL	Derived minimum effect level
DNEL	Derived no effect level
EINECS	European Inventory of Existing Commercial Chemical Substances
EC50	half maximal effective concentration
GefStoffV	German Ordinance on Hazardous Substances
GGVSEB	German ordinance for road, rail and inland waterway transportation of dangerous goods
GGVSee	German ordinance for sea transportation of dangerous goods
GLP	Good Laboratory Practice
GMO	Genetic Modified Organism
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
ISO	International Organization For Standardization
LOAEL	Lowest observed adverse effect level
LOEL	Lowest observed effect level
NOAEL	No observed adverse effect level
NOEC	no observed effect concentration
NOEL	no observed effect level
o. c.	open cup
OECD	Organisation for Economic Cooperation and Development
OEL	Occupational Exposure Limit
PBT	Persistent, bioaccumulative, toxic
PEC	Predicted effect concentration
PNEC	Predicted no effect concentration
REACH	REACH registration
RID	Convention concerning International Carriage by Rail
STOT	Specific Target Organ Toxicity
SVHC	Substances of Very High Concern
TA	Technical Instructions
TPR	Third Party Representative (Art. 4)
TRGS	Technical Rules for Hazardous Substances
VCI	German chemical industry association
vPvB	very persistent, very bioaccumulative
VOC	volatile organic compounds
VwVwS	German Administrative Regulation on the Classification of Substances Hazardous to Waters into Water Hazard Classes
WGK	Water Hazard Class
WHO	World Health Organization

