



SAFETY DATA SHEET

Conforms to the requirements of the United States Hazard Communication regulation 29 CFR 1910.1200

SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION

PRODUCT NAME	AMIDET APA-22
PRODUCT CASRN	60270-33-9
PRODUCT DESCRIPTION	FATTY AMIDE
SDS DOCUMENT No.	265568
RECOMMENDED USES	This product is intended for use in cosmetic formulations

RESPONSIBLE PARTY

Kao Specialties Americas LLC
243 Woodbine Street
P. O. Box 2316
High Point, NC 27261
Telephone: 1-800-727-2214

Refer to SECTION 16 for information regarding the
MANUFACTURER(s) of this product

FOR ALL TRANSPORTATION ACCIDENTS, call Chemtrec at 800-424-9300 or 703-527-3887 for international collect calls.

SECTION 2: HAZARD(S) IDENTIFICATION

PRODUCT CLASSIFICATION per 29 CFR 1910.1200

HAZARD CLASSIFICATION	Serious Eye Damage/Eye Irritation Category 1 Skin Corrosion/Irritation Category 2
SIGNAL WORD	Danger
HAZARD STATEMENTS	Causes skin irritation. Causes serious eye damage.

**HAZARD
PICTOGRAMS**



RECOMMENDED SAFETY PRECAUTIONS

INJURY PREVENTION

Wash thoroughly after handling.
Wear chemical-resistant gloves and clothing, eye protection and face protection.

**EMERGENCY
RESPONSE**

IF ON SKIN: Wash with plenty of soap and water.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If skin irritation occurs: Get medical advice/attention.
Immediately call a POISON CENTER or doctor.
Take off contaminated clothing and wash before reuse.

HAZARDS NOT OTHERWISE CLASSIFIED

PYROPHORIC GASES

Not applicable

**SIMPLE
ASPHYXIANTS**

Not applicable

COMBUSTIBLE DUST

In the form offered, formation of a combustible dust cloud is unlikely. However, the user should implement measures to prevent formation of a dust cloud in the event that processing of this product is capable of generating a fine dispersion of solid particles.

Dust Classification	Minimum Ignition Energy (mJ)	Pmax (bar-g)	Rmax (bar/s)	Kst (bar-m/s)	Explosion Severity
Unknown (material has not been tested for combustibility)					

Definitions for dust classifications are found in OSHA Instruction CPL 03-00-008 *Combustible Dust National Emphasis Program (reissued)* March 11, 2008, Appendix E, Section 5

**Other Known
Hazards**

None

FOR INFORMATION REGARDING ENVIRONMENTAL GHS CLASSIFICATION, REFER TO SECTION 12 BELOW

SECTION 3: COMPOSITION/INFORMATION on INGREDIENTS

Chemical Name	Common Name	CAS Number	Concentration (%)
---------------	-------------	------------	-------------------

N-[3-(Dimethylamino)propyl]docosanamide	Beheniramidopropyl dimethylamine	60270-33-9	98.0 - 100.0
Docosanoic acid	Behenic acid	112-85-6	1 - 3

If any items in the table above are described as CONFIDENTIAL, Kao Specialties Americas LLC considers this information to constitute a Trade Secret.

SECTION 4: FIRST-AID MEASURES

EYES	Remove contact lens immediately, if present and easy to remove. Immediately flush eyes with plenty of water for at least 15 minutes. If necessary, seek medical attention.
SKIN	For skin contact, wash immediately with soap and water. If necessary, seek medical attention.
INGESTION	If the material is swallowed, get immediate medical attention or advice.
INHALATION	If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen.
SYMPTOMS of EXPOSURE	None known.
NOTES to PHYSICIAN	Provide general supportive measures and treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE PROPERTIES	Refer to SECTION 9: Physical and Chemical Properties
HAZARDOUS PRODUCTS of COMBUSTION	Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.
PROPERTIES THAT COULD INCREASE FIRE or EXPLOSION HAZARD	Material form is a prilled solid with minimal content of fine, dust-like solids so risk of combustible dust formation is unlikely. However, user should exercise caution during processing to avoid generation of a dispersed dust cloud as dusts of organic chemicals typically exhibit explosive properties.
EXTINGUISHING MEDIA	Powder, alcohol-resistant foam, CO2 & sand
FIRE-FIGHTING INSTRUCTIONS	Firefighters should wear full protective clothing including self contained breathing apparatus.

NFPA ratings are found in SECTION 16

SECTION 6: ACCIDENTAL RELEASE MEASURES

FOR ALL TRANSPORTATION ACCIDENTS, call Chemtrec at 800-424-9300 or 703-527-3887 for international collect calls.

RESPONSE TO SMALL SPILLS OF PRODUCT

SPILL CONTAINMENT | Stop the flow of material, if this is without risk. Contain the discharged material.

SPILL CLEANUP PROCEDURES | Vacuum or sweep up material and place in a disposal container.

REQUIRED EQUIPMENT | Shovel the material into waste container.

ADDITIONAL INFORMATION | No other spill procedures necessary.

RESPONSE TO LARGE SPILLS OF PRODUCT

SPILL CONTAINMENT | Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible.

SPILL CLEANUP PROCEDURES | Eliminate ignition sources including sources of electrical, static or frictional sparks. Avoid the generation of dusts during clean-up. Use water mist on the spilled material to wet surfaces and prevent dusting. Vacuum or sweep up material and place in a disposal container. Thoroughly wash the area with water after a spill or leak clean-up.

REQUIRED EQUIPMENT | Wear appropriate protective equipment and clothing during clean-up.

ADDITIONAL INFORMATION | Surfaces may become slippery after spillage. Have emergency equipment readily available. Remove soiled clothing and laundry before reuse.

SECTION 7: HANDLING AND STORAGE

HANDLING REQUIREMENTS

As with all chemicals, good industrial hygiene practices should be followed when handling this material. Do not get this material in your eyes, on your skin, or on your clothing. Wash thoroughly after handling. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner, or promptly disposed of. DUE TO THE POTENTIAL FOR COMBUSTIBLE DUST EXPLOSION, avoid conditions which may result in formation of a dust cloud. Implement best housekeeping practices to prevent accumulation of this product on surfaces. Do not use compressed air or nitrogen to remove material accumulations from surfaces. Equipment used to remove accumulated product should be protected against static ignition.

**STORAGE
REQUIREMENTS**

Eliminate all sources of ignition.
Storage area should be protected by appropriately designed containment to prevent release to groundwater or sewers.
Guard against dust accumulation of this material.
Do not store this material in open or unlabeled containers.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**ENGINEERING
CONTROLS**

Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits. Use explosion-proof equipment if high dust/air concentrations are possible.

PERSONAL PROTECTIVE EQUIPMENT**EYE/FACE
PROTECTION**

Wear chemical goggles.

HAND PROTECTION

Use impervious gloves.

SKIN PROTECTION

Normal work clothing (long sleeved shirts and long pants) is recommended.

**RESPIRATORY
PROTECTION**

A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever there may be potential for airborne exposure.

OTHER

Eyewash fountains and emergency showers are required.

EXPOSURE LIMITS

CHEMICAL	CASRN	PERCENT	LIMITS	AGENCY
OSHA: No exposure limits established for this product				
ACGIH: No exposure limits established for this product				

SECTION 9: PHYSICAL and CHEMICAL PROPERTIES

APPEARANCE @ 20°C	White-yellow pellets	ODOR	Amine odor
ODOR THRESHOLD	No data available	pH	No information available
VAPOR DENSITY	No data available	VAPOR PRESSURE	No data available
EVAPORATION RATE	No data available	RELATIVE DENSITY	0.97g/mL @ 20°C
MELTING POINT (°C)	75°C - 81°C	WATER SOLUBILITY	Insoluble in water

INITIAL BOILING POINT (°C)	No data available	BOILING RANGE (°C)	No data available
PARTITION COEFFICIENT (N-OCTANOL/WATER)	No data available	VISCOSITY	No data available
DECOMPOSITION TEMPERATURE	No data available	FLAMMABILITY CLASSIFICATION	Not evaluated
FLASH POINT (°C)	Not applicable Cleveland Open Cup	AUTO-IGNITION TEMPERATURE	No data available
UPPER EXPLOSIVE LIMIT	No data available	LOWER EXPLOSIVE LIMIT	No data available

SECTION 10: STABILITY and REACTIVITY

CHEMICAL STABILITY	Stable under normal conditions.
CONDITIONS to AVOID	None known
INCOMPATIBLE MATERIALS (Reactivity)	None known.
INCOMPATIBLE MATERIALS (Storage & Transport)	Avoid contact with strong acids Avoid strong oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS	None known.
HAZARDOUS POLYMERIZATION	Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE EFFECTS

EYE EFFECTS	Dust or powder may irritate eye tissue.
SKIN EFFECTS	Not expected to be a primary skin irritant.
ACUTE ORAL EFFECTS (INGESTION)	Not a likely route of entry.

ACUTE INHALATION EFFECTS	This product may cause slight irritation to the respiratory system.
---------------------------------	---

TARGET ORGANS	No known effects.
----------------------	-------------------

CHRONIC EFFECTS

MUTAGENICITY	Ames Test (TA98, TA100, TA1535, TA1537, TA1538, WP2uvrA): Negative
---------------------	---

TERATOLOGY	No data available for this product.
-------------------	-------------------------------------

REPRODUCTIVE and DEVELOPMENTAL TOXICITY	No information available.
--	---------------------------

CARINOGENICITY

CHEMICAL NAME	DATA	AGENCY	LIST
None of the components of this product are listed on the OSHA Possible or Select Carcinogens Lists.			
None of the components of this product are listed on the ACGIH Carcinogens List.			
No limits established for this product by the International Agency for Research on Cancer (IARC).			
None of the components of this product are listed on the NTP Known or Suspected Carcinogens List.			

LETHAL DOSE (LD50 & LC50) DATA

No information available for this product.

MEDICAL CONDITIONS AGGRAVATED by EXPOSURE	No information available.
--	---------------------------

ROUTES of ENTRY	Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation.
------------------------	--

OTHER TOXICOLOGICAL INFORMATION	SKIN CORROSION (product): TER Assay: Not Corrosive SKIN CORROSION (ingredient): N-[3-(dimethylamino)propyl]docosanamide: Category 2
--	--

SECTION 12: ECOLOGICAL INFORMATION

UN GHS AQUATIC TOXICITY CLASSIFICATION INFORMATION

AQUATIC TOXICITY CLASSIFICATION	Acute 2
--	---------

SIGNAL WORD	Not applicable
HAZARD PICTOGRAM	Not applicable
HAZARD STATEMENT	Toxic to aquatic life.
PREVENTION	Avoid release to the environment.
RESPONSE	Not applicable
DISPOSAL	Dispose of contents and container in accordance with local, national, and international regulations for hazardous wastes.

ADDITIONAL ENVIRONMENTAL INFORMATION

ECOTOX. INFORMATION	None determined
ENVIRONMENTAL FATE	No data available for this product.
BIOLOGICAL OXYGEN DEMAND (BOD5), g/g	No data available
CHEMICAL OXYGEN DEMAND (COD), g/g	No data available
PERSISTENCE & DEGRADABILITY	No information available.
BIOACCUMULATION	No information available

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DESCRIPTION	Wastes must be tested using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes.
GENERAL DISPOSAL CONSIDERATIONS	Clean up and dispose of waste in accordance with all federal, state, and local environmental regulations.
DISPOSAL of EMPTY CONTAINERS	Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

RCRA COMPONENT	CASRN	DATA
-----------------------	--------------	-------------

No limits established for this product.

SECTION 14: TRANSPORT INFORMATION

	US DOT	IATA	IMDG
UN NUMBER	Not applicable	Not applicable	Not applicable
UN PROPER SHIPPING NAME	Non-hazardous material	Non-hazardous material	Non-hazardous material
TRANSPORT HAZARD CLASS(ES)	Not applicable	Not applicable	Not applicable
PACKING GROUP	Not applicable	Not applicable	Not applicable
REPORTABLE QUANTITY (RQ)	No reportable quantity for this product		
EMERGENCY RESPONSE GUIDEBOOK (ERG) REFERENCE	Not applicable		
MARINE POLLUTANT	None		

SECTION 15: REGULATORY INFORMATION

TOXIC SUBSTANCES CONTROL ACT (TSCA)	This material is not listed on the Toxic Substances Control Act inventory. Use of this product is limited to activities subject to the jurisdiction of the Food and Drug Administration (food, drugs, cosmetics).
EXPORT NOTIFICATIONS	This product is not subject to TSCA 12B Export Notification requirements.
SIGNIFICANT NEW USE RULE (SNUR)	This material is not subject to a Significant New Use Rule under the US Toxic Substances Control Act.

INTERNATIONAL CHEMICAL INVENTORIES

All of the components of this product are listed on the following inventories:

DSL	Canada	No
NDSL	Canada	No
ENCS	Japan	Yes
EINECS	Europe	Yes

ELINCS	Europe	No	
IECSC	China	Yes	Normal Notification
PICCS	Philippines	Yes	
ECL	Korea	No	
AICS	Australia	Yes	

**EMERGENCY PLANNING and COMMUNITY RIGHT TO KNOW ACT (EPCRA)
40 CFR PART 355, APPENDIX A**

EHS COMPONENTS	CASRN	PERCENT	TPQ POUNDS and RQ
No limits established for this product.			

313 COMPONENTS	CASRN	PERCENT	REPORTING LIMIT
No limits established for this product.			

CERCLA/SARA COMPONENTS	CASRN	PERCENT	REPORTING LIMIT
No limits established for this product.			

EPCRA SECTION 311/312 CLASSIFICATION	ACUTE	No
	CHRONIC	No
	FIRE	No
	PRESSURE	No
	REACTIVE	No

OTHER FEDERAL REGULATIONS

The following components are identified under the Clean Air Act HON-Rule for SOCMI chemicals:

COMPONENT NAME	CASRN
No regulated components	

The following components are identified under the Clean Air Act (VOCs in SOCMI chemicals):

COMPONENT NAME	CASRN
No regulated components	

The following components are identified under the Clean Air Act as Hazardous Air Pollutants (HAP)

COMPONENT NAME	CASRN
-----------------------	--------------

No regulated components	
-------------------------	--

The following components are identified under the Clean Air Act HON-Rule Hazardous Air Pollutants (HAP)

COMPONENT NAME	CASRN
No regulated components	

The following components are identified under the Clean Water Act:

COMPONENT NAME	CASRN	LIST NAME
No limits established for this product.		

STATE RIGHT-TO-KNOW INFORMATION:

COMPONENT NAME	CASRN	STATE	List Name
----------------	-------	-------	-----------

If the STATE RIGHT-TO-KNOW INFORMATION table above is empty than none of the components of this product are included on the state right-to-know regulatory lists for California, Florida, Massachusetts, Michigan, Pennsylvania, or New Jersey.

SECTION 16: OTHER INFORMATION

To the best of the manufacturer's knowledge, the information contained herein is accurate. However, neither the manufacturer, nor any of its affiliates, make any representations or warranties (expressed or implied), nor assumes any liability (including liability for any direct, incidental, consequential, or other damages) with respect to the accuracy or completeness of the information contained herein. Such information may be (without limitation) invalid if the specified material is used in combination with another, in a particular process, or under unusual conditions. Determination of suitability of any material for any given purpose is the sole responsibility of the user who assumes all risk and responsibility therefore. All materials may present unknown hazards and should be used with appropriate caution. The manufacturer cannot and does not guarantee that the hazards described herein are the only ones that exist.

SDS GENERATED BY	PSIMCOX
SDS VERSION DATE	5/11/2015 4:54:41 PM
SDS APPROVED BY	Patrick B. Simcox Manager – Health, Safety, & Environmental e-mail: psimcox@ksallc.com

MANUFACTURER(S)	Kao Corporation 1-3, Bunka 2-chome, Sumida-ku Tokyo, Japan 131-8501 Phone: 011-81-3-5630-7700
------------------------	--

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) HAZARD RATINGS

HEALTH	1
FLAMMABILITY	2
REACTIVITY	0

Hazardous Material Identification System (HMIS) Hazard Ratings

HEALTH	1
FLAMMABILITY	2
REACTIVITY	0
PERSONAL PROTECTION	D

The following components of this product are listed on the Canadian WHMIS Ingredient Disclosure List (IDL):

COMPONENT	CASRN	PERCENT	MINIMUM CONCENTRATION
-----------	-------	---------	-----------------------

No regulatory limits established for this product.

END OF DOCUMENT