

## SAFETY DATA SHEET

## [1.PRODUCT AND COMPANY IDENTIFICATION]

PRODUCT NAME : FATTY AMIDE T  
SUPPLIER : Kao Corporation  
ADDRESS : 1-3,Bunka 2-chome,Sumida-ku,Tokyo 131-8501 Japan  
DIVISION : Global Chemical Business  
TELEPHONE NUMBER : 81-3-5630-7700  
FAX NUMBER : 81-3-5630-7889  
E-MAIL ADDRESS : chemical@kao.co.jp  
EMERGENCY TELEPHONE NUMBER : 81-3-5630-7700  
RECOMMENDED USE :  
AND RESTRICTIONS ON USE :

## [2.HAZARDS IDENTIFICATION]

## GHS CLASSIFICATION

PHYSICAL AND CHEMICAL HAZARDS : Not classified

## HEALTH HAZARDS

ACUTE TOXICITY (Oral) : Not classified  
ACUTE TOXICITY (Dermal) : Not classified  
ACUTE TOXICITY (Inhalation) : Not applicable(Vapours)  
SKIN CORROSION / IRRITATION : Not classified  
SERIOUS EYE DAMAGE / EYE IRRITATION : Not classified  
RESPIRATORY SENSITIZATION : Classification not possible  
SKIN SENSITIZATION : Classification not possible  
GERM CELL MUTAGENICITY : Classification not possible  
CARCINOGENICITY : Classification not possible  
REPRODUCTIVE TOXICITY : Classification not possible  
SPECIFIC TARGET ORGAN TOXICITY  
- SINGLE EXPOSURE : Classification not possible  
- REPEATED EXPOSURE : Classification not possible  
ASPIRATION HAZARD : Classification not possible

## ENVIRONMENTAL HAZARDS

## HAZARDOUS TO THE AQUATIC ENVIRONMENT

- ACUTE HAZARD : Not classified  
- LONG-TERM HAZARD : Not classified  
- HAZARDOUS TO THE OZONE LAYER : Classification not possible

## GHS LABEL ELEMENTS

PICTOGRAMS OR SYMBOLS : Not applicable  
SIGNAL WORD : Not applicable  
HAZARD STATEMENTS : Not applicable

## PRECAUTIONARY STATEMENTS

PREVENTION : Wash thoroughly after handling.  
If needed, use personal protective equipment as required.  
RESPONSE : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
IF ON SKIN: Gently wash with plenty of water and soap.  
Call a POISON CENTER or doctor if you feel unwell.  
STORAGE : Store in well-ventilated place.  
DISPOSAL :

SAFE HANDLING ADVICE : Refer to SDS.

[3.COMPOSITION / INFORMATION ON INGREDIENTS]

SUBSTANCE OR MIXTURE : Substance  
INGREDIENTS AND CONCENTRATION RANGE : Amides, tallow, hydrogenated  
CAS RN : 61790-31-6

[4.FIRST-AID MEASURES]

IN CASE OF INHALATION : Remove person to fresh air and keep comfortable for breathing.  
IN CASE OF SKIN CONTACT : Gently wash with plenty of soap and water.  
IN CASE OF EYE CONTACT : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
IN CASE OF INGESTION : Call a POISON CENTER or doctor if you feel unwell.

[5.FIRE-FIGHTING MEASURES]

EXTINGUISHING MEDIA : Water spray, powder  
NOT SUITABLE EXTINGUISHING MEDIA : No information available  
SPECIFIC HAZARDS : Produce irritating or toxic gases in a fire.  
SPECIFIC METHODS : Keep away from sources of ignition and use appropriate extinguishing media.Fight fire from upwind position if possible.  
PROTECTION OF FIRE FIGHTERS : Use goggles in combination with dust mask, and other protections as appropriate to situation.  
Risk of producing harmful gases such as carbon monoxide and nitrogen oxides. Avoid inhalation of smoke or gases.

[6.ACCIDENTAL RELEASE MEASURES]

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURE : Use mask, goggles and protective gloves.  
Large spills : Remove person to safety.  
Ensure adequate ventilation.  
Treat from upwind position.  
ENVIRONMENTAL PRECAUTIONS : Do not discharge into the drains, surface waters or ground water directly.  
METHODS FOR CLEANING UP : Prevent dispersion of dust.  
Sweep or vacuum by dust-explosion-proof type cleaner.  
PREVENTION OF SECONDARY HAZARDS : Keep away from sources of ignition and prepare extinguishing media.

[7.HANDLING AND STORAGE]

HANDLING  
TECHNICAL MEASURES : Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.  
PRECAUTIONS : Keep away from source of ignition.  
Avoid inhalation of fine dust .  
SAFE HANDLING ADVICE : Use an adequate ventilation.  
Wash thoroughly after handling.  
If needed, use personal protective equipment as required.  
This material may cause risk of dust explosion.  
STORAGE  
SUITABLE STORAGE CONDITIONS : Store container tightly closed in well-ventilated place.  
Keep away from source of ignition.  
SAFE PACKAGING MATERIALS : No information available

**[8.EXPOSURE CONTROLS / PERSONAL PROTECTION]**

**ENGINEERING MEASURES** : Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.  
Use local exhaust ventilation, in case of generation of dust.

**LIMIT VALUES**

**ACGIH (TLV)** : 10 mg/m<sup>3</sup> TWA (inhalable particles, recommended); 3 mg/m<sup>3</sup> TWA (respirable particles, recommended)(Particulates (insoluble or poorly soluble) not otherwise specified (PNOS))

**OSHA (PEL)** : 15 mg/m<sup>3</sup> TWA (total dust); 5 mg/m<sup>3</sup> TWA (respirable fraction) (Particulates not otherwise regulated)

**PERSONAL PROTECTIVE EQUIPMENT**

**RESPIRATORY PROTECTION** : Use dust mask, as appropriate to situation.  
**HAND PROTECTION** : Rubber gloves  
**EYE PROTECTION** : Safety glasses with side shield(Safety goggles or Face shield)  
**SKIN AND BODY PROTECTION** : Full-body suit  
**HYGIENE MEASURES** : No information available

**[9.PHYSICAL AND CHEMICAL PROPERTIES]****APPEARANCE**

**PHYSICAL STATE** : Powder  
**COLOUR** : Pale yellow  
**ODOUR** : Slightly characteristic odour  
**pH** : No data available

**SPECIFIC TEMPERATURES / TEMPERATURE RANGES  
AT WHICH CHANGES IN PHYSICAL STATE OCCUR**

**BOILING POINT** : No information available  
**MELTING POINT** : 97 - 102 °C ( 206.6 - 215.6 °F)  
**FLASH POINT** : 228 °C ( 442.4 °F) (CLEVELAND open cup method)

**FLAMMABILITY OR EXPLOSIVE PROPERTIES**

**FLAMMABILITY OR EXPLOSIVE LIMITS** : UPPER LIMIT : No information available LOWER LIMIT : No information available  
**VAPOUR PRESSURE** : No information available  
**VAPOUR DENSITY** : No information available  
**DENSITY (SPECIFIC GRAVITY)** : No information available  
**SOLUBILITY**  
**WATER SOLUBILITY** : Poor  
**SOLVENT SOLUBILITY** : Hazy in methanol. Poor soluble in acetone, methyl acetate and benzene.  
**PARTITION COEFFICIENT: n-OCTANOL / WATER (log Pow)** : No information available  
**AUTO-IGNITION TEMPERATURE** : No information available  
**DECOMPOSITION TEMPERATURE** : No information available  
**ODOUR THRESHOLD** : No information available  
**EVAPORATION RATE** : No information available  
**FLAMMABILITY (SOLID,GAS)** : No information available  
**VISCOSITY** : No information available  
**OTHER DATA** : No information available

**[10.STABILITY AND REACTIVITY]**

**CHEMICAL STABILITY** : Stable in general.  
**POSSIBILITY OF HAZARDOUS REACTIONS** : No self-reactivity.

CONDITIONS TO AVOID : No information available  
 INCOMPATIBLE MATERIALS : No information available  
 HAZARDOUS DECOMPOSITION PRODUCTS : No information available  
 OTHERS : No information available

## [11.TOXICOLOGICAL INFORMATION]

## ACUTE TOXICITY

Oral

INFORMATION ON PRODUCT : Rat, LD50 : &gt; 2000 mg/kg

Dermal

INFORMATION ON PRODUCT : No information available

Inhalation

INFORMATION ON PRODUCT : No information available

## SKIN CORROSION / IRRITATION

INFORMATION ON PRODUCT : Rabbit, undiluted, 4 hours semi-occluded application test (OECD404) :  
Not irritant

## SERIOUS EYE DAMAGE / IRRITATION

INFORMATION ON PRODUCT : Rabbit, undiluted, OECD405 : MAS = 10.0

## RESPIRATORY OR SKIN SENSITIZATION

## RESPIRATORY

INFORMATION ON PRODUCT : No information available

## SKIN

INFORMATION ON PRODUCT : No information available

## MUTAGENICITY (GERM CELL MUTAGENICITY)

INFORMATION ON PRODUCT : Ames test (TA98, TA100) : Negative

## CARCINOGENICITY

INFORMATION ON PRODUCT : No information available

IARC : Not listed

NTP : Not listed

EU : Not listed

OSHA : Not listed

## REPRODUCTIVE TOXICITY

INFORMATION ON PRODUCT : No information available

## SPECIFIC TARGET ORGAN TOXICITY

## - SINGLE EXPOSURE

INFORMATION ON PRODUCT : No information available

## - REPEATED EXPOSURE

INFORMATION ON PRODUCT : No information available

## ASPIRATION HAZARD

INFORMATION ON PRODUCT : No information available

## OTHER INFORMATION

: No information available

## [12.ECOLOGICAL INFORMATION]

## ECOTOXICITY

: Rainbow trout, OECD203, 96h, LC50 : > 0.10 mg/L  
(The highest attainable test concentration)

## PERSISTENCE / DEGRADABILITY

: CO2 evolution test (OECD301B) : 35 % (28 days)

## MOBILITY IN SOIL

: No information available

## BIOACCUMULATIVE POTENTIAL

: No information available

## OTHER ADVERSE EFFECTS

: COD(Cr) : 0.71 g/g (JIS K0102)

## [13.DISPOSAL CONSIDERATIONS]

Review "HANDLING AND STORAGE (Section 7)".

Passed to a licensed waste contractor.

This product may cause risk of dust explosion.

Incinerate with little portions.

Risk of producing harmful gases such as carbon monoxide and nitrogen oxides.

Dispose of waste in accordance with local,state and federal regulations.

## [14.TRANSPORT INFORMATION]

Follow all regulations in your country or region

## INTERNATIONAL REGULATIONS

- UN CLASS / UN NUMBER : Not applicable (IMDG, IATA)
- SPECIAL PRECAUTIONS FOR USER : Review "ACCIDENTAL RELEASE MEASURES (Section 6)".  
Review "HANDLING AND STORAGE (Section 7)".  
Ensure containers without breakage or leakage.  
Ensure containers tightly fixed.  
Follow all regulations in your country or region.  
Keep away from source of ignition.

## [15.REGULATORY INFORMATION]

Follow all regulations in your country or region.

INVENTORIES	:	ENCS(Japan)	2-824
		TSCA(USA)	Yes
		EINECS(EU)	204-693-2
		AICS(Australia)	Yes
		DSL(Canada)	Yes
		ECL(Korea)	KE-26324
		PICCS(Philippines)	Yes
		IECSC(China)	Yes

KAO Corporation is not able to check up the regulatory information in regard to the substances in your country or region,therefore,we request this matter would be filled by your responsibility.

## [16.OTHER INFORMATION]

- REFERENCE : -Safety data sheet for chemical products - Part 1: Content and order of sections(ISO 11014-1)  
-International Chemical Safety Cards(ICSC) (Compiler's Guide)(1994)

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