

SAFETY DATA SHEET

[1.PRODUCT AND COMPANY IDENTIFICATION]

PRODUCT NAME : AMINON C-11S
 SUPPLIER : Kao Chemical Corporation Shanghai
 ADDRESS : No.1500, Bei Song Road, Minhang District, Shanghai 201111, P.R.China
 DIVISION :
 TELEPHONE NUMBER : 86-21-6409-2880
 FAX NUMBER : 86-21-6409-2881
 E-MAIL ADDRESS :
 EMERGENCY TELEPHONE NUMBER : 86-21-6409-2880
 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 : Category 1
 SERIOUS EYE DAMAGE / EYE IRRITATION : Category 1
 RESPIRATORY SENSITIZATION : Classification not possible
 SKIN SENSITIZATION : Not classified
 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 : Category 1
 - LONG-TERM HAZARD : Classification not possible
 - HAZARDOUS TO THE OZONE LAYER : Classification not possible

GHS LABEL ELEMENTS

PICTOGRAMS OR SYMBOLS



SIGNAL WORD

: Danger

HAZARD STATEMENTS

: Causes severe skin burns and eye damage
 Very toxic to aquatic life

PRECAUTIONARY STATEMENTS

PREVENTION

: Do not breathe dust/fume/gas/mist/vapours/spray.
 Avoid release to the environment.
 Wash thoroughly after handling.
 Wear protective gloves/protective clothing/eye protection/face protection.

RESPONSE	: IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor. Collect spillage.
STORAGE	: Store locked up.
DISPOSAL	: Passed to a licensed waste contractor.
SAFE HANDLING ADVICE	: Refer to SDS.

[3.COMPOSITION / INFORMATION ON INGREDIENTS]

SUBSTANCE OR MIXTURE : Substance

INGREDIENTS AND CONCENTRATION RANGE

Ingredients	Concentration Range(%)	CAS RN
Fatty acids, C8-18, methylethanolamide	Confidential	Confidential
Contains glycerine.	5 - 15	

[4.FIRST-AID MEASURES]

IN CASE OF INHALATION	: Remove to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor.
IN CASE OF SKIN CONTACT	: Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor.
IN CASE OF EYE CONTACT	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.
IN CASE OF INGESTION	: Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do NOT induce vomiting.

[5.FIRE-FIGHTING MEASURES]

EXTINGUISHING MEDIA	: Powder, alcohol-resistant foam, water spray, carbon dioxide,sand
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. Do not flow the materials causing adverse effects into the environment with effluent fire extinguishing agents.
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.ACIDENTAL RELEASE MEASURES]

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURE	: Use goggles and protective gloves. Large spills : Remove person to safety. Ensure adequate ventilation.
ENVIRONMENTAL PRECAUTIONS	: Avoid release to the environment.
METHODS FOR CLEANING UP	: Small spills: Absorb spills with sand, inert absorbent, waste cloth or sawdust. Then wipe up remainder in waste cloth. Large spills: Dike spills and dispose of in safe area.

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 contact with eyes and skin.

SAFE HANDLING ADVICE : Use an adequate ventilation.
Wash thoroughly after handling.
Use personal protective equipment as required.
Do not breathe dust/fume/gas/mist/vapours/spray.

STORAGE

SUITABLE STORAGE CONDITIONS : Store container tightly closed in well-ventilated place.
Store locked up.
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 an adequate ventilation.

LIMIT VALUES

ACGIH (TLV) : TWA (10 mg/m³),STEL (-)
(Glycerin mist)

OSHA (PEL) : PEL Total dust 15mg/m³, Respirable fraction 5mg/m³,(2002 year edition)
Glycerin (mist)

PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION : Use as appropriate to situation.

HAND PROTECTION : Rubber gloves

EYE PROTECTION : 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 : Liquid

COLOUR : Colorless to light yellow clear

ODOUR : Slightly characteristic odour

pH : 10 (5%(Water/Methanol=1/1))

SPECIFIC TEMPERATURES / TEMPERATURE RANGES

AT WHICH CHANGES IN PHYSICAL STATE OCCUR

BOILING POINT : No information available

MELTING POINT : -8.7 °C (16.3 °F)

FLASH POINT : 208 °C (406.4 °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) : 0.952 g/mL (30 °C) (86 °F)

0.936 g/mL (53 °C) (127.4 °F)
0.926 g/mL (70 °C) (158 °F)

SOLUBILITY

WATER SOLUBILITY	: Emulsifiable
SOLVENT SOLUBILITY	: Soluble in various organic solvents.
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	: Reacts with acids.
CONDITIONS TO AVOID	: No self-reactivity.
INCOMPATIBLE MATERIALS	: No information available
HAZARDOUS DECOMPOSITION PRODUCTS	: Carbon dioxide
OTHERS	: Nitrogen oxides
	: No information available

[11. TOXICOLOGICAL INFORMATION]

ACUTE TOXICITY	
Oral	
INFORMATION ON PRODUCT	: Rat, LD50 : > 2000 mg/kg (male, female)(Data on equivalent product)
INFORMATION ON INGREDIENTS	: No information available
Dermal	
INFORMATION ON PRODUCT	: No information available
INFORMATION ON INGREDIENTS	: No information available
Inhalation	
INFORMATION ON PRODUCT	: No information available
INFORMATION ON INGREDIENTS	: No information available
SKIN CORROSION / IRRITATION	
INFORMATION ON PRODUCT	: (Data on equivalent product)
	Guinea pig, 30% in water, 24 hours closed patch test : Category 1
	Rabbit, active 5% in water, 24 hour closed patch test, Intact and abraded skin : P.I.I. = 2.09, Moderately irritant
	Rabbit, active 5% in water, 14 times repeated application test : No reaction
INFORMATION ON INGREDIENTS	: Fatty acids, C8-18, methylethanolamide: Category 1
SERIOUS EYE DAMAGE / IRRITATION	

INFORMATION ON PRODUCT	: (Data on equivalent product)
	Draize test, active 5% in water : Unwashed eyes, MAS = 8.0, Minimally irritating Washed eyes, MAS = 7.3, Minimally irritating (Kay and Calandra's classification)
INFORMATION ON INGREDIENTS	: Fatty acids, C8-18, methylethanolamide: Category 1
RESPIRATORY OR SKIN SENSITIZATION	
RESPIRATORY	
INFORMATION ON PRODUCT	: No information available
INFORMATION ON INGREDIENTS	: No information available
SKIN	
INFORMATION ON PRODUCT	: Guinea pig, Guinea Pig Maximization Test : Negative(Data on equivalent product)
INFORMATION ON INGREDIENTS	: No information available
MUTAGENICITY (GERM CELL MUTAGENICITY)	
INFORMATION ON PRODUCT	: (Data on equivalent product)
	Ames test (TA98,TA100,TA1535,TA1537, WP2uvrA) : Negative
	Chromosomal aberration test (CHL cells) : Negative
INFORMATION ON INGREDIENTS	: No information available
CARCINOGENICITY	
INFORMATION ON PRODUCT	: No information available
INFORMATION ON INGREDIENTS	: No information available
IARC	: Not listed
NTP	: Not listed
EU	: Not listed
OSHA	: Not listed
REPRODUCTIVE TOXICITY	
INFORMATION ON PRODUCT	: No information available
INFORMATION ON INGREDIENTS	: No information available
SPECIFIC TARGET ORGAN TOXICITY	
- SINGLE EXPOSURE	
INFORMATION ON PRODUCT	: No information available
INFORMATION ON INGREDIENTS	: No information available
- REPEATED EXPOSURE	
INFORMATION ON PRODUCT	: No information available
INFORMATION ON INGREDIENTS	: No information available
ASPIRATION HAZARD	
INFORMATION ON PRODUCT	: No information available
INFORMATION ON INGREDIENTS	: No information available
OTHER INFORMATION	: No information available
[12. ECOLOGICAL INFORMATION]	
ECOTOXICITY	: Data on similar product Red killifish, 96h, LC50 : 3.3 mg/L Daphnia magna, 48h, EC50 : 0.29 mg/L Algae, 72h, ErC50 : 1.2 mg/L
ACUTE HAZARD	: No information available
LONG-TERM HAZARD	: No information available
PERSISTENCE / DEGRADABILITY	: This material has good biodegradability.

MOBILITY IN SOIL : No information available
 BIOACCUMULATIVE POTENTIAL : No information available
 OTHER ADVERSE EFFECTS : No information available

[13.DISPOSAL CONSIDERATIONS]

Review "HANDLING AND STORAGE (Section 7)".
 Passed to a licensed waste contractor.
 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	: Class 8 / UN1760	
IATA	UN Number	UN1760
	Proper Shipping Name	Corrosive Liquid, n.o.s.(containing Fatty acids, C8-18, methylethanolamide)
	Class	8
	Packing Group	III
IMDG	UN Number	UN1760
	Proper Shipping Name	Corrosive Liquid, n.o.s.(containing Fatty acids, C8-18, methylethanolamide)
	Class	8
	Packing Group	III
	Additional Information	Marine pollutant
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. Emergency Response Guide(ERG) Numbers : 153	

[15.REGULATORY INFORMATION]

Follow all regulations in your country or region.

INVENTORIES	ENCS(Japan)	Yes
	TSCA(USA)	No
	EINECS(EU)	No
	AICS(Australia)	No
	DSL(Canada)	No
	ECL(Korea)	No
	PICCS(Philippines)	No
	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	<ul style="list-style-type: none"> : -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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