

COSQUAT GA468

OSAKA ORGANIC CHEMICAL INDUSTRY LTD.

Date of issue:2016/02/01

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Version:3.0

SAFETY DATA SHEET**1. Identification of the substance/preparation and of the company/undertaking**

Product identifier

Trade name : COSQUAT GA468

Product code : G22601000

Product identifier

Company/undertaking identification : OSAKA ORGANIC CHEMICAL INDUSTRY LTD.

Address : 1-7-20 Azuchi-machi, Chuo-ku OSAKA

Department name : SPECIALTY CHEMICALS SECTION (TEL:+81-6-6264-5071 FAX:+81-6-6264-1675)

Emergency information : KANAZAWA PLANT +81-76-276-6261

2. Hazards identification

GHS classification and label elements of the product

GHS classification

Environmental hazards : Hazardous to the aquatic environment – Acute Hazard, Category 3

(Note) GHS classification without description : Not applicable/Out of classification/Not classifiable

Hazard

pictograms

(GHS-JP)

Hazard statements (GHS-JP) : Harmful to aquatic life

Precautionary statements

[Prevention precautionary statements] : Avoid release to the environment
Do not handle until all safety precautions have been read and understood

Ground/bond container and receiving equipment

Do not breathe dust/fume/gas/mist/vapours/spray

Use only outdoors or in a well-ventilated area

Wear protective gloves/protective clothing/eye protection/face protection

Use personal protective equipment as required

[Response Precautionary Statements] : IF exposed or concerned: Get medical advice/attention
If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

If in eyes: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing

	IF SWALLOWED: rinse mouth. Do NOT induce vomiting
[Storage precautionary statements]	: The product is stable at normal handling and storage conditions Protect from sunlight Store in a well-ventilated place. Keep cool
[Disposal precautionary statements]	: Dispose of contents/container in accordance with local/regional/national/international regulations

3. Composition/information on ingredients

Distinction of substance or mixture : Mixture
mixture

Component name	Content	CAS No
N-Vinyl-2-pyrrolidone / N, N-Dimethylaminoethyl methacrylate crosslinked copolymer	≥99%	160364-67-0
Cyclohexane	<0.8%	110-82-7

Note : The figures shown above are not the specifications of the product.

4. First aid measures

First-aid measures general	: IF exposed or concerned: Get medical advice/attention Get medical advice/attention if you feel unwell
First-aid measures after inhalation	: If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing
First-aid measures after skin contact	: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower Gently wash with plenty of soap and water If skin irritation occurs: Get medical advice/attention
First-aid measures after eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing Rinse in order to better reach all parts of eyes If eye irritation persists: Get medical advice/attention
First-aid measures after ingestion	: IF SWALLOWED: rinse mouth. Do NOT induce vomiting IF SWALLOWED: immediately call a POISON CENTER or doctor/physician

5. Fire fighting measures

Extinguishing media	
Suitable extinguishing media	: Use powder, foam, carbon dioxide or sand
Fire hazard	: Fire may produce irritating, corrosive and/or toxic gases Runoff from fire control or dilution water may cause pollution
Advice for firefighters	
Specific fire fighting	: Fight fire with normal precautions from a reasonable distance Evacuate area Eliminate all ignition sources if safe to do so
Personal protection (Emergency response)	: Firefighters should wear proper protective equipment

6. Accidental release measures

Personal Precautions, Protective Equipment and Emergency Procedures	:	Evacuate area Do not touch or walk through spilled material Ventilate area after material pick up is complete
Environmental precautions	:	Spilled chemicals and flammable liquids should not be flushed down the drain or gutter or ditch without considering consequences
Methods and Equipment for Containment and Cleaning up	:	For large spill, dike for later disposal Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers Use clean non-sparking tools to collect absorbed material Sweep up, place in a bag and hold for waste disposal. Avoid raising dust
Prevention Measures for Secondary Accidents	:	Stop leak if you can do it without risk ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area) Prevent entry into waterways, sewers, basements or confined areas Eliminate all sources of ignition and ventilate the area

7. Handling and storage

Handling

Technical measures	:	Do not breathe dust/fume/gas/mist/vapours/spray Ground/bond container and receiving equipment Avoid contact with skin. Avoid contact with eyes
Handling the product	:	Prevent deposition of dust.
Precautions for safe handling	:	Use only outdoors or in a well-ventilated area Do not handle until all safety precautions have been read and understood Use personal protective equipment as required Ground/bond container and receiving equipment Obtain special instructions before use

Storage precautionary statements

Storage conditions	:	Store in a well-ventilated place. Keep cool Keep container tightly closed The product is stable at normal handling and storage conditions
Storage conditions to avoid	:	Protect from sunlight Store away from other materials Keep away from heat Avoid long storage periods

8. Exposure controls / Personal protection equipment

Control parameters

(Cyclohexane)

Exposure limits (JSOH)	:	150ppm(520mg/m ³)
Exposure limits (ACGIH)	:	TWA 100 ppm, STEL -

Exposure controls/personal protection

Appropriate engineering controls	:	Do not use in areas without adequate ventilation Use with local exhaust ventilation
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	Make available emergency shower and eye wash in the work area
Respiratory protection	: Wear respiratory protection
Hand protection	: Wear protective gloves
Eye protection	: Wear eye/face protection
Skin and body protection	: Wear protective clothing
Hygiene measures	: Wash hands and any parts thoroughly after handling
	Do not eat, drink or smoke when using this product

9. Physical and chemical properties

Form	: Solid
Colour	: white
Odour	: Characteristic odor
pH	: 8 - 11 (1%water solution)
Boiling point	: N.A.
Melting point/Freezing point	: N.A.
Decomposition temperature	: N.A.
Flash point	: Not flammable
Auto-ignition temperature	: N.A.
Explosive properties	: None known
Explosive limits (g/m ³)	: ≥ 55 g/m ³
Explosive limits (vol %)	: None known
Vapour pressure	: N.A.
Relative vapour density at 20 ° C	: N.A.
Specific gravity density	: 0.5 - 0.6 (Bulk density)
Viscosity	: N.A.
Solubility	
Solubility in water	: Insoluble
Solubility in solvent	: Soluble in Ethanol, Isopropanol
Log Pow	: N.A.

10. Stability and reactivity

Reactivity	: No information is available
Chemical stability	: The product is stable at normal handling and storage conditions
Possibility of hazardous reactions	: No information is available
Conditions to avoid	: Avoid sunlight, heat, flames, high temperature, sparks, static electricity and other sources of ignition
Incompatible materials	: Acids, Bases, Oxidizing agents, Reducing agents
Hazardous decomposition products	: Carbon oxides (CO, CO ₂)

11. Toxicological information

Acute toxicity (oral)

(Cyclohexane)

rat : LD50=7729.9mg/kg (EU-RAR (2004))

LD50 oral rat : 12705 mg/kg

Acute toxicity (dermal)

(Cyclohexane)

LD50 dermal rabbit : > 2000 mg/kg

Acute toxicity (vapour)

(Cyclohexane)

LC50 inhalation rat : 13.9 mg/l/4h

(mg/l)

Skin corrosion/irritation

(Cyclohexane)

Rabbit : DFGOT vol. 13 (1999), EU-RAR (2004), ACGIH (2002), ICSC(J) (1994)

Serious eye damage/irritation

(Cyclohexane)

Rabbit : EU-RAR (2004)

Germ cell mutagenicity

(Cyclohexane)

DFGOT vol. 13 (1999)

Reproductive toxicity

(Cyclohexane)

ACGIH (2002), EU-RAR (2004), DFGOT vol.13 (1999)

12. Ecological information

Hazardous to Aquatic Environment - Acute Hazard

(Cyclohexane)

LC50 fish 1 : 3.96 - 5.18 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])

LC50 fish 2 : 23.03 - 42.07 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])

EC50 Daphnia 1 : 0.9 mg/l

Persistence and degradability : No data

Bioaccumulation : No data

Ecology - soil : No data

Hazardous to the ozone layer : No data

13. Disposal considerations

Waste treatment methods : Dispose of contents/container in accordance with local/regional/national/international regulations

This products and its containers must be disposed of/treated in accordance with the related regulations, or must be entrusted to the licensed company by clarifying the right data.

14. Transport information

UN number/Class

International Regulations

UN-No.	:	Not applicable
Proper Shipping Name	:	Not applicable
Transport hazard class(es)	:	Not applicable
Packing group	:	Not applicable

Regulations in Japan

MFAG-No	:	134
Other information	:	Make sure that there is no leak in a vessel for transportation, falling, loading so that there is no damage, reliably perform the prevention of cargo collapse

15. Regulatory information

Please observe the your country or local regulations on this matter.

16. Other information

Other information

This information contained in this data sheet represents the best information currently available to us. However, no warranty is made with respect to its completeness and we assume no liability resulting from its use. It are advised to make their own tests to determinate the safety and suitability of each such product or combination for their own purposes. The data given here is based on current knowledge and experience. The purpose of this Safety Data Sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products' properties.