



PAN ASIA CHEMICAL CORP

WORLD TRADE BUILDING (11TH FLOOR)
50.SEC.1.HSIN SHENG SOUTH RD.,
TAIPEI, TAIWAN 100, ROC



Material Safety data sheet

1. Identification of the substance/preparation and of the company/undertaking

Product name: PANESTER 3219T
other name :
Suggested purpose & application : lubricants and lubricant additives
Manufacturer/supplier identification Company: Pan Asia Chemical Corp. Tel: 886-2-2351-1212 WORLD TRADE BUILDING (11 TH FLOOR) 50.SEC.1.HSIN SHENG SOUTH RD., TAIPEI, TAIWAN 100, ROC
Emergency contact telephone & fax no. : TEL : 886-2-2351-1212 、 FAX : 886-2-2396-2946

2. Hazards identification

Product dangerous classification: water environmental dangerous substance: class 5 skin sensitive substance: class 5 Heavy damage/eye irritator : class 5
Warning symbol: N/A Symbol meaning : warning Dangerous information : may irritate sensitive skin
Other damage : -

Symbol illustration:

3. Composition/information on ingredients

Pure material :

Chinese name :
Synonyms:

CAS No. : 57675-44-2

HS Code: 2916.1520 00

Molecular formula: molecular weight:

ingredient(%) : > 99.5%(W/W)

4. First aid measures

After inhalation: fresh air.

After skin contact: wash off with plenty of water. Remove contaminated clothing.

After eye contact: rinse out with plenty of water with the eyelid held wide open.

After swallowing: make victim drink plenty of water, induce vomiting. Summon doctor if feeling unwell.

5. Fire-fighting measures

Suitable extinguishing media: Water, CO2, foam, powder.

Special risks: Development of hazardous combustion gases or vapors possible in the event of fire.

Special protective equipment for fire fighting: Do not stay in dangerous zone without self-contained breathing apparatus.

Other information: Prevent fire-fighting water from entering surface water or groundwater.

6. Accidental release measures

Person-related precautionary measures:

Do not inhale vapours/aerosols. Ensure supply of fresh air in enclosed rooms.

Environmental-protection measures:

Do not allow to enter sewerage system.

Procedures for cleaning / absorption:

Take up with liquid-absorbent material (e.g. Chemizorb). Forward for disposal. Clean up affected area.

7. Handling and storage

Handling: No further requirements.

Storage: Dry. Tightly closed. No further requirements. Storage temperature: no restrictions. Tightly closed.

8. Exposure controls/personal protection

Specific control parameter

Name :

..... mg/m³ inhalable dust

Peak limit IV low action level

Embryotoxic cat. C no risk expected by maintaining TLV

Personal protective equipment:

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Respiratory protection: required when vapors/aerosols are generated. required when dusts are generated.

Eye protection: required

Hand protection: required

Industrial hygiene: Change contaminated clothing. Application of skin- protective barrier cream recommended. Wash hands after working with substance.

Change contaminated clothing. Wash hands after working with substance.

9. Physical and chemical properties

Form: liquid color: colorless	Odor: almost odorless
Vaporization velocity :	Pour point : <-40 °C
pH value : 6.0~8.0	Boiling point : >300 °C
Flammability	Flash point: >310°C
Degradation temperature : --	Test method: <input checked="" type="checkbox"/> open cup <input type="checkbox"/> close cup
Autoignition temperature :°C	Exposition limit : --
Vapor pressure : < 1 mmHg	Vapor density :
Density : 0.9 ±0.01 25°C	solubility : insoluble in water

10. Stability and reactivity

stability : stable , no auto-polymerized
Conditions to be avoided Heating (decomposition).
Substances to be avoided no information available
Hazardous decomposition products no information available

11. Toxicological information

Acute toxicity
LD50 (oral, rat): mg/kg.

LD50 (dermal, rabbit): mg/kg.
 Subacute to chronic toxicity
 An embryotoxic effect need not be feared when the threshold limit value is observed.
 Further toxicological information
 Hazardous properties cannot be excluded but are unlikely when the product is handled appropriately.
 The product should be handled with the care usual when dealing with chemicals.

12. Ecological information

Ecotoxic effects:
 Fish toxicity: L.idus LC50: mg/l /48 h.
 Bacterial toxicity: Ps.putida EC10: g/l /16 h.
 Daphnia toxicity: Daphnia magna EC50: mg/l /24 h.
 Further ecologic data:
 No ecological problems are to be expected when the product is handled and used with due care and attention.
 Eco toxicity :
 Persistence and degradability :
 Bioaccumulation :
 Other ill effect : --

13. Disposal considerations

There are no uniform EC Regulations for the disposal of chemicals or residues. Chemical residues generally count as special waste. The disposal of the latter is regulated in the EC member countries through corresponding laws and regulations. We recommend that you contact either the authorities in charge or approved waste disposal companies which will advise you on how to dispose of special waste.
 Packaging:
 Disposal in compliance with official regulations. Handle contaminated packaging in the same way as the substance itself. If not officially specified differently, non-contaminated packaging may be treated like household waste or recycled.

14. Transport information

UN number : Non Dangerous Goods
 UN Transportation name :
 Transportation Dangerous Classification :

