



CHEM066

RY SCHOOLS

715 S.E. 6th Ave.
MILSBORO, OR 97123

MATERIAL SAFETY DATA SHEET

OT 0050

*** IDENTIFICATION ***

RECORD NUMBER 145614
LANGUAGE ENGLISH
TRADE NAME(S) MSG, F.C.C.
PRODUCT IDENTIFICATION DATA PFIZER MSDS NO.: M006
DATE OF MSDS 1987-08-04

*** MANUFACTURER INFORMATION ***

MANUFACTURER PFIZER CHEMICAL DIVISION
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DISCLAIMER

NOTE FROM PFIZER INC.: THIS MSDS IS BASED ON
A LIMITED REVIEW OF PFIZER'S FILES AND
STANDARD TOXICOLOGY HANDBOOKS. THE
INFORMATION HEREIN IS FURNISHED WITHOUT
WARRANTY OF ANY KIND. THIS INFORMATION SHOULD
BE USED ONLY AS A SUPPLEMENT TO INFORMATION
ALREADY IN YOUR POSSESSION CONCERNING THIS
PRODUCT. THE DETERMINATION OF WHETHER AND
UNDER WHAT CONDITIONS THE PRODUCT SHOULD BE
USED BY YOUR EMPLOYEES IS YOURS TO MAKE.

*** MATERIAL SAFETY DATA ***

Issue Date: 8/4/87

MATERIAL SAFETY DATA SHEET

PRODUCT IDENTIFICATION

PFIZER PRODUCT NAME	PFIZER MSDS NO.
MSG, F.C.C.	M006
CHEMICAL NAME AND MOLECULAR FORMULA	CAS NO. (S)
C5H3NO4Na.H2O	142-47-2
SYNONYMS	CHEMICAL FAMILY
Monosodium Glutamate, Sodium	Amino Acid Salt
Glutamate	

HAZARDOUS COMPONENTS

MATERIALS OR COMPONENTS	%	HAZARD DATA (TLV, LD50, LC50, etc.)
Not Applicable (Not a Mixture)		

PHYSICAL PROPERTIES

BOILING POINT (deg F)	Not Applicable-Solid
VAPOR PRESSURE (mm Hg.)	28.1 @ 25 deg
VAPOR DENSITY (AIR=1)	Not Applicable
SOLUBILITY IN WATER	Appreciable
SPECIFIC GRAVITY (H2O=1)	1.618
PERCENT VOLATILE BY VOLUME (%)	Not Applicable

INHALATION

No Data Available

Emergency First Aid

ORAL INGESTION

Get medical attention if large amount is ingested.

EYE CONTACT

Flush eye contact with plenty of water and get medical attention if irritation persists.

SKIN CONTACT

Not Available

INHALATION

Not Available

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SPILL OR LEAK

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STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

No hazard results from spillage.

WASTE DISPOSAL METHOD

(Comply with applicable federal, state, and local regulations.)

Flush with water and empty into sewer in conformance with applicable federal, state or local regulations.

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SPECIAL PROTECTION INFO.

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RESPIRATORY PROTECTION

(Specify type) Approved nuisance mask.

VENTILATION

LOCAL EXHAUST

Dust exhaust system @ point
of use.

SPECIAL

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MECHANICAL (general)

Dust exhaust system @ point
of use.

OTHER

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PROTECTIVE GLOVES

Not Required

EYE PROTECTION

Safety Glasses

OTHER PROTECTIVE

None normally required.

EQUIPMENT

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SPECIAL PRECAUTIONS

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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store under normal conditions of temperature and humidity in closed containers.

OTHER PRECAUTIONS

None normally required.

ISN: 145614

EVAPORATION RATE (= 1)

Not Applicable

5% SOLN

6.7 - 7.2

APPEARANCE & ODOR

White crystalline with slight peptone-like odor.

FIRE & EXPLOSION DATA

FLASH POINT (Method used)

FLAMMABLE LIMITS

Lel

Uel

Not Established

Not Established

EXTINGUISHING MEDIA

If involved in fire, water or CO2 may be used.

SPECIAL FIRE FIGHTING
PROCEDURES

None normally required.

UNUSUAL FIRE AND
EXPLOSION HAZARDS

None Reported

REACTIVITY DATA

STABILITY

UNSTABLE

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CONDITIONS TO AVOID

STABLE

[XX]

Temperatures above 375 deg F (Decomposes).

INCOMPATIBILITY

None Reported

(Materials to avoid)

HAZARDOUS

DECOMPOSITION PRODUCTS

Thermal decomposition may release toxic fumes of oxides of nitrogen and sodium.

HAZARDOUS POLYMERIZATION

CONDITIONS TO AVOID

May Occur

Will not Occur

None Reported

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[XX]

TOXICITY

ORAL/PARENTERAL

17gm/kg oral-rat LD50: 12, 961mg/kg oral-mouse LD50.

DERMAL (acute)

No Data Available

EYE

INHALATION

No Data Available

No Data Available

CHRONIC

Sodium Glutamate is used in foods and is generally considered safe when used in small amounts.

Carcinogenicity:

NTP?

IARC Monographs?

OSHA Regulated?

Not Listed

Not Listed

No

HEALTH HAZARD INFORMATION

Effects of Exposure

ORAL INGESTION

No TLV established. Generally recognized as safe for use in foods. Some individuals may get a temporary headache after ingestion of relatively large amounts of MSG.

EYE CONTACT

Excessive contact may cause eye irritation.

SKIN CONTACT

No Data Available