

Material Safety Data Sheet
acc. to OSHA and ANSI

Printing date 02/12/2009

Reviewed on 02/12/2009

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1 Identification of substance:

Product details:

Product name: 4-Vinylphenol, 10% solution in propylene glycol
Stock number: L10902

Manufacturer/Supplier:
Alfa Aesar, A Johnson Matthey Company
Johnson Matthey Catalog Company, Inc.
30 Bond Street
Ward Hill, MA 01835-8099

Emergency Phone: (978) 521-6300
CHEMTREC: (800) 424-9300
Web Site: www.alfa.com

Information Department: Health, Safety and Environmental Department

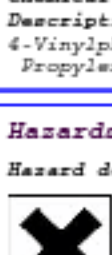
Emergency information:
During normal hours the Health, Safety and Environmental Department. After normal hours call
Chemtrec at (800) 424-9300.

2 Composition/Data on components:

Chemical characterization:
Description: (CAS#)
4-Vinylphenol (CAS# 2628-17-3): 10%
Propylene glycol (CAS# 57-55-6): 90%

3 Hazards identification

Hazard description:



Xi Irritant

Information pertaining to particular dangers for man and environment
R 36/38 Irritating to eyes and skin.

Classification system
HMIS ratings (scale 0-4)
(Hazardous Materials Identification System)

HEALTH	1	Health (acute effects) = 1
FIRE	1	Flammability = 1
REACTIVITY	1	Reactivity = 1

GHS label elements



Warning

3.2/2 - Causes skin irritation.
3.3/2A - Causes serious eye irritation.

Prevention:
Wash thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.

Response:
IF ON SKIN: Wash with plenty of soap and water.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if
present and easy to do. Continue rinsing.
Specific treatment (see label).
If skin irritation occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Take off contaminated clothing and wash before reuse.

4 First aid measures

After inhalation

Supply fresh air. If required, provide artificial respiration. Keep patient warm.
Seek immediate medical advice.

After skin contact

Immediately wash with water and soap and rinse thoroughly.
Seek immediate medical advice.

After eye contact

Rinse opened eye for several minutes under running water. Then consult a doctor.

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Product name: 4-Vinylphenol, 10% solution in propylene glycol

After swallowing Seek immediate medical advice.

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5 Fire fighting measures

Suitable extinguishing agents

Carbon dioxide, extinguishing powder or water spray. Fight larger fires with water spray or
alcohol resistant foam.

Special hazards caused by the material, its products of combustion or resulting gases:
In case of fire, the following can be released:

Carbon monoxide and carbon dioxide

Protective equipment:

Wear self-contained respirator.
Wear fully protective impervious suit.

6 Accidental release measures

Person-related safety precautions:

Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation

Measures for environmental protection:

Do not allow material to be released to the environment without proper governmental permits.

Measures for cleaning/collecting:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders,
sawdust).

Ensure adequate ventilation.

Additional information:

See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

Handling

Information for safe handling:

Keep container tightly sealed.
Ensure good ventilation at the workplace.
Information about protection against explosions and fires: Keep ignition sources away.

Storage

Requirements to be met by storerooms and receptacles: No special requirements.
Information about storage in one common storage facility:

Store away from oxidizing agents.
Protect from heat.

Further information about storage conditions:
Keep container tightly sealed.
Refrigerate

8 Exposure controls and personal protection

Additional information about design of technical systems:

Properly operating chemical fume hood designed for hazardous chemicals and having an average
face velocity of at least 100 feet per minute.

Components with limit values that require monitoring at the workplace: Not required.
Additional information: No data

Personal protective equipment

General protective and hygienic measures
The usual precautionary measures for handling chemicals should be followed.
Keep away from foodstuffs, beverages and feed.
Remove all soiled and contaminated clothing immediately.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.

Breathing equipment: Use suitable respirator when high concentrations are present.

Protection of hands:

Check protective gloves prior to each use for their proper condition.
Impervious gloves

Material of gloves

The selection of suitable gloves not only depends on the material, but also on quality.
Quality will vary from manufacturer to manufacturer.

Eye protection: Safety glasses

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Product name: 4-Vinylphenol, 10% solution in propylene glycol

Body protection: Protective work clothing.

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9 Physical and chemical properties:

General Information

Form: Liquid
Color: Colorless
Odor: Not determined

Change in condition

Melting point/Melting range: Not determined
Boiling point/Boiling range: Not determined
Sublimation temperature / start: Not determined

Flash point: > 100°C (> 212°F)

Ignition temperature: Not determined

Decomposition temperature: Not determined

Danger of explosion: Product does not present an explosion hazard.

Explosion limits:

Lower: Not determined
Upper: Not determined

Vapor pressure: Not determined

Density at 20°C (68°F): 1.04 g/cm³

Solubility in / Miscibility with

Water: Partly soluble

10 Stability and reactivity

Thermal decomposition / conditions to be avoided:

Decomposition will not occur if used and stored according to specifications.
Danger of containers bursting upon heating.

Materials to be avoided:

Heat
Free radical initiators
Dangerous reactions: Danger of polymerization
Dangerous products of decomposition: Carbon monoxide and carbon dioxide

Additional information:
Unless inhibited, the product can polymerize resulting in a temperature and pressure increase
that may rupture the container.

11 Toxicological information

Acute toxicity:

Primary irritant effect:
on the skin: Irritant to skin and mucous membranes.
on the eye: Irritating effect.

Sensitization: No sensitizing effects known.
Subacute to chronic toxicity:

Other than potential irritation (see above), no information on illness or injury to humans
from acute or chronic exposure to this product is available.

Additional toxicological information:

To the best of our knowledge the acute and chronic toxicity of this substance is not fully
known.

No classification data on carcinogenic properties of this material is available from the EPA,
IARC, NTP, OSHA or ACGIH.

12 Ecological information:

General notes:

Do not allow undiluted product or large quantities of it to reach ground water, water course
or sewage system.
Do not allow material to be released to the environment without proper governmental permits.

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13 Disposal considerations

Product:

Recommendation: Consult state, local or national regulations to ensure proper disposal.

Uncleaned packagings:

Recommendation: Disposal must be made according to official regulations.

14 Transport information

Not a hazardous material for transportation.

DOT regulations:

Hazard class: None

Land transport ADR/RID (cross-border)

ADR/RID class: None

Maritime transport IMDG:

IMDG Class: None

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class: None

Transport/Additional information: Not dangerous according to the above specifications.

15 Regulations

Product related hazard informations:

Hazard symbols:

Xi Irritant

Risk phrases:

36/38 Irritating to eyes and skin.

Safety phrases:

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical
advice.
37 Wear suitable gloves.

National regulations

This product is not listed in the U.S. Environmental Protection Agency Toxic Substances
Control Act Chemical Substance Inventory. Use of this product is restricted to research and
development only.

All components of this product are listed on the Canadian Domestic Substances List (DSL).

Information about limitation of use: For use only by technically qualified individuals.

16 Other information:

Employers should use this information only as a supplement to other information gathered by
them, and should make independent judgement of suitability of this information to ensure
proper use and protect the health and safety of employees. This information is furnished
without warranty, and any use of the product not in conformance with this Material Safety
Data Sheet, or in combination with any other product or process, is the responsibility of the
user.

Department issuing MSDS: Health, Safety and Environmental Department.

Contact: Paul V. Connolly

Abbreviations and acronyms:

ADR, Accord européen sur le transport des marchandises dangereuses par route (European agreement concerning the international
carriage of dangerous goods by road)
ADR, règlement international concernant le transport des marchandises dangereuses par chemin de fer (regulations concerning
the international transport of dangerous goods by rail)
IMDG, international maritime code for dangerous goods
IATA, International Air Transport Association
ICAO, International Civil Aviation Organization
ICAO-DGR, dangerous goods regulations by the "International Air Transport Association" (IATA)
ICAO-TI, Technical Instructions by the "International Civil Aviation Organization" (ICAO)
GHS, Globally Harmonized System of Classification and Labeling of Chemicals
CSG, Chemical Abstracts Service (division of the American Chemical Society)
HMIS, Hazardous Materials Identification System (USA)

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