

Chemical Safety Data Sheet

SECTION 1 IDENTIFICATION

GHS Product identifier: Vinyl acetate.

Other means of identification: /

Recommended use of the chemical and restrictions on use: /

Supplier's details: / HENAN EME TECHNOLOGY CO.,LTD

Emergency phone number: / +86-371-89916524

SECTION 2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

Flammable Liquids Category 2.

GHS Label elements, including precautionary statements



Signal word: Danger

Hazard statement(s): Highly flammable liquid and vapor.

Precautionary statement(s):

Prevention: Keep away from heat/sparks/open flames/hot surfaces. No smoking. Keep container tightly closed. Ground/Bond container and receiving equipment. Use explosion-proof electrical/ventilating/Lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves/eye protection/face protection.

Response: In case of fire: Use foam, dry chemical powder, carbon dioxide, water spray to extinguish. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

Storage: Store in a well-ventilated place. Keep cool.

Disposal: Dispose of contents/container to

Other hazards which do not result in classification: /

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Concentration%
Vinyl acetate	108-05-4	99.89

SECTION 4 FIRST AID MEASURES

Description of necessary first aid measures

If inhaled: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact: Wash off with soap and plenty of water. Consult a physician.

In case of eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed: If swallowed do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most important symptoms and effects, both acute and delayed: /

Indication of immediate medical attention and special treatment needed: /

SECTION 5 FIREFIGHTING MEASURES

Suitable extinguishing media: Foam. Dry chemical powder. Carbon dioxide. Water spray or fog - Large fires only.

Special hazards arising from the chemical: Liquid and vapour are highly flammable. Severe fire hazard when exposed to heat, flame and/or oxidisers. Vapour may travel a considerable distance to source of ignition. Heating may cause expansion or decomposition leading to violent rupture of containers. On combustion, may emit toxic fumes of carbon monoxide (CO).

Special protective actions for fire-fighters: Wear full body protective clothing with breathing apparatus. Prevent, by any means available, spillage from entering drains or water courses. Fight fire from a safe distance, with adequate cover. Extinguishers should be used only by trained personnel. Use water delivered as a fine spray to control fire and cool adjacent area. DO NOT approach containers suspected to be hot. Cool fire exposed containers with water spray from a protected location. If safe to do so, remove containers from path of fire.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Clean up all spills immediately. No smoking, naked lights, ignition sources. Avoid breathing vapours and contact with skin and eyes. Control personal contact with the substance, by using protective equipment. Contain and absorb small quantities with vermiculite or other absorbent material.

Environmental precautions: Prevent, by any means available, spillage from entering drains or water courses.

Methods and materials for containment and cleaning up: Contain spill with sand, earth or other clean, inert materials. Use spark-free and explosion-proof equipment. Collect any recoverable product into labelled containers for possible recycling. Collect residues and seal in labelled drums for disposal. Wash area and prevent runoff into drains.

SECTION 7 HANDLING AND STORAGE

Precautions for safe handling: Avoid personal contact and inhalation of dust, mist or vapours. Provide adequate ventilation. Always wear protective equipment and wash off any spillage from clothing. Keep material away from light, heat, flammables or combustibles. Keep cool, dry and away from incompatible materials. Avoid physical damage to containers.

Conditions for safe storage, including any incompatibilities: Store in original containers. Keep containers securely sealed as supplied. Store in a cool, well ventilated area. Keep dry. Store under cover and away from sunlight. Store away from flammable or combustible materials, debris and waste. Contact may cause fire or violent reaction. Store away from incompatible materials and foodstuff containers. DO NOT stack on wooden floors or pallets. Protect containers from physical damage. Check regularly for leaks. Observe manufacturer's storage and handling recommendations contained within this MSDS.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters:

EMERGENCY LIMITS

Vinyl acetate	5(ppm)	5(ppm)	75(ppm)	500(ppm)
---------------	--------	--------	---------	----------

Appropriate engineering controls: For flammable liquids and flammable gases, local exhaust ventilation or a process enclosure ventilation system may be required. Ventilation equipment should be explosion-resistant.

Personal protective equipment

Eye/face protection: Safety glasses with side shields. Chemical goggles. Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants.

Skin protection: Wear chemical protective gloves, e.g. PVC. Wear safety footwear or safety gumboots, e.g. Rubber. The material may produce skin sensitisation in predisposed individuals. Care must be taken, when removing gloves and other protective equipment, to avoid all possible skin contact.

Respiratory protection: Selection of the Class and Type of respirator will depend upon the level of breathing zone contaminant and the chemical nature of the contaminant.

Thermal hazards: /

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colourless Liquid.
Odour	/
Odour Threshold	/
pH	/
Melting point/freezing point	-93°C
Initial boiling point and boiling range	72.5°C
Flash point	≤2.0
Evaporation rate	8.9 BuAc=1
Flammability (solid, gas)	/
Upper/lower flammability or explosive limits	2.6%~13.4%
Vapour pressure	15.33 @ 25°C
Vapour density	/
Relative density	0.934 @ 20°C
Water solubility	/
Partition coefficient: noctanol/water	/
Autoignition temperature	/
Decomposition temperature	/
Viscosity	/

SECTION 10 STABILITY AND REACTIVITY

Reactivity: /
Chemical stability: Polymerisation may occur at elevated temperatures.
Possibility of hazardous reactions: Contamination with polymerisation catalysts - peroxides, persulfates, oxidising agents - also strong acids, strong alkalies, will cause polymerisation with exotherm - generation of heat.
Conditions to avoid: Heat, flames and sparks.
Incompatible materials: peroxides, persulfates, oxidising agents - also strong acids, strong alkalies.
Hazardous decomposition products: carbon monoxide (CO), carbon dioxide (CO ₂).

SECTION 11 TOXICOLOGICAL INFORMATION

Information on the likely routes of exposure: Inhaled, Ingestion, skin, eyes.

Symptoms related to the physical, chemical and toxicological characteristics: /

Acute health effects

Inhalation: The material produces irritation of the respiratory system, in a substantial number of individuals, following inhalation.

Ingestion: Accidental ingestion of the material may be harmful.

Skin: Repeated exposure may cause skin cracking, flaking or drying following normal handling and use.

Eyes: The liquid may produce eye discomfort.

Chronic health effects: /

Numerical measures of toxicity (such as acute toxicity estimates):

TOXICITY	IRRITATION
Dermal (rabbit) LD ₅₀ : 2335 mg/kg	Eye (human): 22 ppm irritant
Inhalation (human) TClO: 25000 ppm	Eye (rabbit): 500 mg/24h mild
Inhalation (rat) LC ₅₀ : 3750 ppm *	irritant
Oral (rat) LD ₅₀ : 2920 mg/kg	Skin (rabbit): 10 mg/24h open

SECTION 12 ECOLOGICAL INFORMATION

Toxicity: /

Persistence and degradability: /

Bioaccumulative potential: /

Mobility in soil: /

Other adverse effects: /

SECTION 13 DISPOSAL CONSIDERATIONS

Disposal methods: Recycle wherever possible or consult manufacturer for recycling options. Consult Land Waste Authority for disposal. Bury or incinerate residue at an approved site. Recycle containers if possible, or dispose of in an authorised landfill.

SECTION 14 TRANSPORT INFORMATION

UN number: 1301.

UN proper shipping name: VINYL ACETATE, STABILIZED.

Transport hazard class(es): 3.

Packaging group: II.

Environmental hazards: /

Special precautions for user: /

SECTION 15 REGULATORY INFORMATION

Regulations:

This safety data sheet is in compliance with the following national standards: GB16483-2008, GB13690-2009, GB18218-2009, GB15258-2009, GB6944-2012, GB190-2009, GB191-2009, GB12268-2008, GA57-1993, GB/T 15098-2008, GBZ 2-2007 as well as the following national regulations: Dangerous Goods Transport Administrative Regulation, Dangerous Chemicals Safety Administrative

Regulation.

SECTION 16 OTHER INFORMATION

References	“Model Regulations on the Transport of Dangerous Goods” “The Globally Harmonized System of Classification and Labelling of Chemicals”
Form Date	22-March-2016