

Safety Data Sheet



SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Product Name/Identifier Multi-Purpose Cleaner (M97-1)
Product Code DR8211(1)
Product Use Cleaning and emulsifying solution.
Company Information Vance Chemicals Pte Ltd
No.24 Gul Lane
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Emergency Contact +65 9299 8024

SECTION 2 HAZARDS IDENTIFICATION

GHS CLASSIFICATION

Health		Environmental	Physical
Eye irritation	Category 2	Not classified	Not classified
Skin irritation	Category 2		
Carcinogenicity	Category 2		

GHS LABEL:



Signal Word: Warning

Hazard Statements:

H315 Causes skin irritation
H320 Causes eye irritation
H351 Suspected of causing cancer

Prevention Precautionary Statements:

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P264 Wash face, hands and any exposed skin thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P281 Use personal protective equipment as required.

Response Precautionary Statements:

P321 Specific measures (see supplemental first aid instructions on this label).
P362 Take off contaminated clothing and wash before reuse.
P363 Wash contaminated clothing before reuse.
P308 + P313 IF exposed or concerned: Get medical advice/attention.
P332 + P313 If skin irritation occurs: Get medical advice/attention.
P337 + P313 If eye irritation persists: Get medical advice/attention.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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**Storage Precautionary Statements:**

P405 Store locked up.

Disposal Precautionary Statements:

P501 Dispose of contents/container to an approved waste disposal plant.

SECTION 3 COMPOSITIONS / INFORMATION ON INGREDIENTS

Chemical Identity	CAS #	EINECS #	Weight %
Triethanolamine	102-71-6	203-049-8	<2
Butyl glycol ether	111-76-2	203-905-0	<15
Dichloromethane	75-09-2	200-838-9	<8
Solvent naphtha (petroleum), heavy aromatic	64742-94-5	265-198-5	<25
Hydrotreated petroleum distillate (light)	64742-47-8	265-149-8	<15
Non-hazardous materials	Mixture	-	>30

SECTION 4 FIRST AID MEASURES**Eye Contact**

Immediately flush eyes with large amounts of water for at least 15 minutes while holding the eyelids open. If redness, swelling, pain and blister occur, transport to the nearest medical facility for additional treatment.

Skin Contact

If redness, swelling, pain and blister occur, transport to the nearest medical facility for additional treatment.

Inhalation

Remove the victim into fresh air. Seek for medical treatment in the event of symptoms.

Ingestion

Seek medical advice immediately. Rinse mouth with water and do not induce vomiting.

SECTION 5 FIRE FIGHTING MEASURES**Suitable Extinguishing Media**

Use extinguishing agents appropriate for surrounding fire.

Unsuitable Extinguishing Media

No restrictions

Specific Hazards Arising from the Chemical

Hazardous decomposition products. Burning produces irritant fumes.

Protection for Fire-fighters

Evacuate personnel to safe areas. Intervention only by capable personnel who are trained and aware of the hazards of the product. In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode. Clean contaminated surface thoroughly.

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SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions and Protective Equipment

Refer to protective measures listed in sections 7 and 8. Prevent further leakage or spillage if safe to do so. Keep away from incompatible products. Isolate the area.

Environmental Precautions

Prevent discharges into the environment (sewers, rivers, soils). Immediately notify the appropriate authorities in case of discharge.

Method for Cleaning Up & Containment

Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. Call for assistance for disposal.

Emergency Procedures

Shut off leaks, if possible without personal risks. Prevent from spreading or entering drains, ditches or rivers by using sand, earth or other appropriate barriers. Take precautionary measures against static discharge. Ensure electrical continuity by bonding and grounding (earthing) all equipment. Monitor area with combustible gas indicator.

SECTION 7 HANDLING AND STORAGE

Precautions for Safe Handling

Do not eat, drink or smoke in work area. Avoid contact with eye, skin and clothing. After handling, always wash hands thoroughly with soap and water. Use only with adequate ventilation. Avoid breathing vapors or spray mists. Avoid large quantities of material into live electrical motors and other such equipments.

Conditions for Safe Storage

Keep container dry. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place.

Storage Temperature : Ambient
Storage/Transport Pressure : Atmospheric

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Component	ACGIH TLV	ACGIH STEL	OSHA PEL	OSHA STEL
Triethanolamine	5 mg/m ³	Not Established	Not Established	Not Established
Butyl glycol ether	20ppm	Not Established	50ppm	Not Established
Dichloromethane	50ppm	Not Established	25ppm	Not Established
Solvent naphtha (petroleum), heavy aromatic	25ppm	Not Established	Not Established	Not Established
Hydrotreated petroleum distillate (light)	Not Established	Not Established	165ppm (Exxon standard)	Not Established

Engineering Controls

Ensure adequate ventilation. Provide appropriate exhaust ventilation at machinery. Refer to protective measures listed in sections 7 and 8. Apply technical measures to comply with the occupational exposure

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limits.

Personal Protective Equipment (PPE):

Eye Protection

Eye protection is not required under normal conditions of use. If material is handled such that it could be splashed into eyes, wear plastic face shield or splash-proof safety goggles.

Skin Protection

No skin protection is required for single, short duration exposures. For prolonged or repeated exposures, use impervious clothing (boots, gloves, aprons, etc) over parts of the body subjected to exposure. Launder soiled clothes. Proper dispose of contaminated leather articles including shoes, which cannot be decontaminated. Use rubber gloves if necessary.

Respiratory Protection

In the case of hazardous fumes, wear self-contained breathing apparatus. Self-contained breathing apparatus in medium confinement/insufficient oxygen/in case of large uncontrolled emissions/in all circumstances when the mask and cartridge do not give adequate protection.

Thermal hazards

NA

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Dark blue
Odour	Solvent odour
Odour Threshold	NA
pH	NA
Melting Point/ Freezing Point (°C)	Not determined
Initial boiling point and range (°C)	Not determined
Flash Point (°C) [According to ISO 3679, Closed Cup Testing]	No flash point detected (From ambient temperature to 93°C)
Evaporation Rate	Not determined
Flammability (solid, gas)	Not applicable
Upper/lower Flammability (Explosive) Limits:	Not determined
Vapour Pressure	Not determined
Vapour Density	Not determined
Relative Density	0.92 ± 0.03
Solubility in water	Insoluble
Partition coefficient (N-Octanol/water)	Not determined
Auto-ignition Temperature (°C)	Not determined
Decomposition Temperature:	Not determined
Viscosity (mPa s)	Not determined

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SECTION 10 STABILITY AND REACTIVITY

Reactivity/Incompatible Materials

Strong oxidizers, acids and alkalis.

Chemical Stability

Stable at normal conditions of use.

Possibility of Hazardous Reactions

Not determined

Hazardous Decomposition Products

Not applicable.

Conditions to Avoid

Not applicable.

Materials to Avoid

Strong oxidizers. acids and alkalis.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Toxicity Estimate of mixture (ATE_{mix})

Acute oral toxicity (LD50): 3355 mg/kg

Acute dermal toxicity (LD50): 3063 mg/kg

Acute inhalation (LC50): 121 mg/L

SECTION 12 ECOLOGICAL INFORMATION

Toxicity

This product's Aquatic Toxicity has been estimated by Addition Method. It is not hazardous to aquatic life.

Persistence/Degradability

The acidity of the acid may be reduced readily by natural water hardness minerals, but the phosphate may persist indefinitely. During transport through the soil, phosphoric acid might dissolve some of the soil material, in particular, carbonate-based materials. The acid will be neutralized to some degree with adsorption of the proton and phosphate ions also possible. However, significant amounts of acid will remain for transport down toward the groundwater table.

Bio accumulative Potential

Not expected to bio-accumulate significantly

SECTION 13 DISPOSAL CONSIDERATIONS

Local legislation

Dispose in compliance with local/federal and national regulations. It is recommended to contact the producer for recycling/recovery. Or send the product to an authorized hazardous waste incinerator.

Container Disposal

To avoid treatments, as far as possible, use dedicated containers. If not, rinse the empty containers with a low volatility hydrocarbon and treat the effluent in the same way as waste. Containers that cannot be cleaned must be treated as waste.

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SECTION 14 TRANSPORT INFORMATION

Land (ADR)

UN Number : Not Regulated
UN Class : NA
Subsidiary Risk : NA
Packing Group : NA
Proper Shipping Name : NA
HIN : NA

Sea (IMDG)

UN Number : Not Regulated
UN Class : NA
Subsidiary Risk : NA
Packing Group : NA
Proper Shipping Name : NA
HIN : NA

Sea (Annex II of MARPOL 73/78 and the IBC Code)

Pollution Category : NA
Ship Type : NA
Product Name : NA

Air (IATA)

UN Number : Not Regulated
UN Class : NA
Subsidiary Risk : NA
Packing Group : NA
Proper Shipping Name : NA

Special Precautions

Before transportation, make sure the containers are tightly sealed and that there are no liquid or gas leaks.

When transporting containers, be sure that they are tightly fastened. An appropriate buffer material should be placed between them to prevent them from bumping each other and being damaged during transport.

SECTION 15 REGULATORY INFORMATION

Applicable national regulations:

Standards on Hazard communication for hazardous chemicals and dangerous goods

- SS 586: Part 1: 2014-Transport and storage of dangerous goods
- SS 586: Part 2: 2014-GHS of classification and labelling of chemicals
- SS 586: Part 3: 2008-Preparation of safety data sheet

MOM: Workplace Safety and Health Act & Workplace Safety and Health (General Provisions) Regulations

- This product is subject to SDS, labelling, PEL and other requirements in the Acts/Regulations.

NEA: Environmental Protection and Management Act & Environmental Protection and Management (Hazardous Substances) Regulations

- This product is not subject to control under this Acts/Regulations.

SCDF: Fire Safety Act & Fire Safety (Petroleum and Flammable Materials) Regulations

- This product is not subject to the requirement of this Acts/Regulations.

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SPF: The Arms and Explosive Act, the Arms and Explosives (Explosives) Rules, and the Arms and Explosives (Explosive Precursors) Rules

- This product is not subject to the requirement of this Acts/Regulations

SECTION 16 OTHER INFORMATION

Department issuing date sheet: Vance Chemicals Quality Control and Laboratory

Original Issue date: 1st January 2010

Revision no: 03

Revision date: 22 September 2020

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