

Safety Data Sheet



SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Product Name/Identifier : Alkaline Coil Cleaner
Product Code : AC1923
Product Use : Highly effective in breaking up grimes, dirt, airborne impurities and scale deposits

Company Information : Vance Chemicals Pte Ltd
No.24 Gul Lane
Singapore 629418
+65 6863 0863
msds@mr-mckenic.com

Emergency Contact : +65 9299 8024

SECTION 2 HAZARDS IDENTIFICATION

GHS CLASSIFICATION

Health		Environmental	Physical
Acute Oral Toxicity	Category 4	Not Classified	Not Classified
Acute Dermal Toxicity	Category 4		
Eye Damage/Irritation	Category 1		
Skin Corrosion	Category 1		

GHS LABEL:



Danger

Hazard Statements:

H302 Harmful if swallowed
H312 Harmful in contact with skin
H314 Causes severe skin burns and eye damage
H318 Causes serious eye damage

Prevention:

P260 Do not breathe dust/fume/gas/mist/vapour/spray.
P264 Wash thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response

P301+P330+P331 IF SWALLOWED: Rinse mouth, do NOT induce vomiting
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Safety Data Sheet



P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTRE or doctor/physician.
P321 Specific treatment (see supplemental first aid instructions on this label).
P330 Rinse mouth.
P361 Remove/Take off immediately all contaminated clothing.
P363 Wash contaminated clothing before reuse.

Storage:

P405 Store locked up.

SECTION 3 COMPOSITIONS / INFORMATION ON INGREDIENTS

Chemical Identity	CAS #	Weight %
Sodium Hydroxide	1310-73-2	<10
Potassium Hydroxide	1310-58-3	<6
Non-hazardous Materials	Mixture	>70

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.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions and Protective Equipment

Safety Data Sheet



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
Sodium Hydroxide 50%	1.2ppm	Not Established	1.2ppm	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 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



Safety Data Sheet

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	: Clear light yellow
Odour	: Characteristic
Odour Threshold	: NA
PH	: 12-14
Melting Point/ Freezing Point (°C)	: Not determined
Initial Boiling Point and Range (°C)	: Not determined
Flash Point (°C)	: No flash point detected (From ambient temperature to 93°C)
[ISO 3679, Closed Cup Testing]	
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	: 1.16 ± 0.03
Solubility in Water	: Soluble
Partition Coefficient (N-Octanol/Water)	: Not determined
Auto-ignition Temperature (°C)	: Not determined
Decomposition Temperature	: Not determined
Viscosity (mPa s)	: Not determined

SECTION 10 STABILITY AND REACTIVITY

Reactivity/Incompatible materials

Strong oxidizers. Reducing agents, metals, acids, 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. reducing agents, metals, acids, alkalis.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute toxicity:

Acute oral toxicity (LD50), 333 mg/kg

Acute dermal toxicity (LD50), 1350 mg/kg

Safety Data Sheet



Carcinogenicity: Not listed under IARC.

SECTION 12 ECOLOGICAL INFORMATION

Toxicity

No data available

Persistence/Degradability

Not expected to bio-accumulate significantly

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.

SECTION 14 TRANSPORT INFORMATION

Land (ADR)

UN Number : 1760
UN Class : 8
Subsidiary Risk : NA
Packing Group : II
Proper Shipping Name : Corrosive Liquid, N.O.S (sodium hydroxide)
HIN : NA

Sea (IMDG)

UN Number : 1760
UN Class : 8
Subsidiary Risk : NA
Packing Group : II
Proper Shipping Name : Corrosive Liquid, N.O.S (sodium hydroxide)
HIN : NA

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

Pollution Category : NA
Ship Type : 3
Product Name : Corrosive Liquid, N.O.S (sodium hydroxide)

Air (IATA)

UN Number : 1760
UN Class : 8
Subsidiary Risk : NA
Packing Group : II
Proper Shipping Name : Corrosive Liquid, N.O.S (sodium hydroxide)

Special Precautions

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

Safety Data Sheet



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.

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	: 27 June 2013
Revision no	: 03
Revision date	: 7 April 2020

This product is intended for use by skilled individuals at their own risk. The information, data and recommendations set forth herein are presented in good faith and are believed to be correct as of the date hereof. The company / manufacturer makes no representations as to the completeness or accuracy of the Information and disclaims responsibility for any reliance thereon. The information is provided upon the condition that the persons receiving will make their own determination as to its suitability for their purposes prior to use. Any use of the Information must be determined by the user to be in accordance with applicable Federal, state and local laws and regulations. In no event will the company / manufacturer be responsible for damages of any nature whatsoever resulting from the use or reliance upon the Information.

NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE ARE MADE WITH RESPECT TO THE INFORMATION OR THE PRODUCT TO WHICH THE INFORMATION REFERS.