

CHEMetrics, Inc.

Chemwatch; 9-386304 SDS No: R1402

Version No 1.1

Safety Data Sheet according to OSHA HazCom Standard (2012) requirements

Chemwatch Hazard Alert Code:

Issue Date 25/04/2017 Print Date 25/04/2017 Initial Date 14/04/2017 S.GHS USA.EN

SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

Product Identifier		
Product name	Ammonia CHEMets & VACUettes Refills	and Ammonia Vacu-vials Ampoules
men magamagam pulmas a provinciar e tod between ana dalah senanganan sa pena		
Synonyms	Part Nos.: R-1402, R-1402B, R-1402D, R	K-1413 Ampoules
Proper shipping name	Not Applicable	
Chemical formula	Not Applicable	
Other means of Identification	Not Available	
CAS number	Not Applicable	
Relevant identified uses o	f the substance or mixture and (ises advised against
Relevant identified uses	Component of water analysis test kits K-1	413, K-1420, K-1420B, K-1420D
Details of the supplier of t	he safety data sheet	
	Registered company name	CHEMetrics, Inc.
	Address	4295 Catlett Road, Midland, VA. 22728 United States
	Telephone	1-540-788-9026
	Fax	1-540-788-4856
	Website	www.chemetrics.com
	Email	technical@chemetrics.com
Emergency telephone num	iber	
	Association / Organisation	ChemTel Inc.
	Emergency telephone numbers	1-800-255-3924
	Other emergency telephone numbers	+01-813-248-0585
SECTION 2 HAZARDS IDE		
Classification	Skin Sensitizer Category 1, Eye Irritation	Category 2A, Skin Corrosion/Irritation Category 2
	Skin Sensitizer Category 1, Eye Irritation	Category 2A, Skin Corrosion/Imitation Category 2
Classification	Skin Sensitizer Category 1, Eye Irritation	Category 2A, Skin Corrosion/Irritation Category 2
Classification abel elements	Skin Sensitizer Category 1, Eye Irritation	Category 2A, Skin Corrosion/Irritation Category 2
Classification Label elements GHS label elements SIGNAL WORD	<u>(!</u>)	Category 2A, Skin Corrosion/Irritation Category 2
Classification abel elements GHS label elements SIGNAL WORD	<u>(!</u>)	Calegory 2A, Skin Corrosion/Irritation Category 2
Classification Label elements GHS label elements SIGNAL WORD	WARNING	Category 2A, Skin Corrosion/Irritation Category 2
Classification Label elements GHS label elements SIGNAL WORD Hazard statement(s)	WARNING May cause an allergic skin reaction,	Category 2A, Skin Corrosion/Irritation Category 2
Classification Label elements GHS label elements SIGNAL WORD Hazard statement(s) H317 H319 H315	WARNING May cause an allergic skin reaction, Causes serious eye irritation. Causes skin irritation.	Category 2A, Skin Corrosion/Irritation Category 2
Classification Label elements GHS label elements SIGNAL WORD Hazard statement(s) H317 H319 H315	WARNING May cause an allergic skin reaction, Causes serious eye irritation. Causes skin irritation.	
Classification Label elements GHS label elements SIGNAL WORD Hazard statement(s) H317 H319 H315 Precautionary statement(s)	WARNING May cause an allergic skin reaction, Causes serious eye imitation, Causes skin imitation. Prevention	

Version No 1.1

Ammonia CHEMets & VACUettes Refills and Ammonia Vacu-vials Ampoules

Print Date: 25/04/2017

Wear protective gloves/protective clothing/eye protection/face protection. P280 P261 Avoid breathing mist/vapours/spray. Precautionary statement(s) Response

P362	Take off contaminated clothing and wash before reuse.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313	If skin imitation or rash occurs: Get medical advice/attention,
P337+P313	If eye imitation persists: Get medical advice/attention.

Precautionary statement(s) Storage

Not Applicable

Precautionary statement(s) Disposal

P501 Dispose of contents/container in accordance with local regulations.

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Substances

See section below for composition of Mixtures

Mixtures

CAS No	%[weight]	Name
90-01-7	0.1	2-hydroxybenzyl alcohol
5949-29-1	<1	citric acid, monohydrate
6381-59-5	1	potassium sodium tartrate
7732-18-5	>97	water

SECTION 4 FIRST AID MEASURES

Description of first aid measures

Eye Contact

Skin Contact

Inhalation

Ingestion

If this product comes in contact with the eyes: Wash out immediately with fresh running water.

- Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.
- Seek medical attention without delay; if pain persists or recurs seek medical attention.
- Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

If skin contact occurs:

- Immediately remove all contaminated clothing, including footwear.
- Flush skin and hair with running water (and soap if available).
- Seek medical attention in event of irritation.
- If fumes or combustion products are inhaled remove from contaminated area.
 - Lay patient down. Keep warm and rested.
 - Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures.
 - Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if
 - Transport to hospital, or doctor, without delay.
 - Immediately give a glass of water.
 - First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

Most important symptoms and effects, both acute and delayed

See Section 11

Indication of any immediate medical attention and special treatment needed

Treat symptomatically,

Metabolism of amide-type anaesthetics occurs in the liver and in some cases in the kidney. Because these undergo extensive and rapid hepatic metabolism, only about 1/3 of an oral dose reaches the systemic circulation.

SECTION 5 FIREFIGHTING MEASURES

Extinguishing media

- There is no restriction on the type of extinguisher which may be used.
- Use extinguishing media suitable for surrounding area.

Special hazards arising from the substrate or mixture

Fire Incompatibility None known.

Fire Fighting

Advice for firefighters

- Alert Fire Brigade and tell them location and nature of hazard.
- Wear breathing apparatus plus protective gloves in the event of a fire.
- Prevent, by any means available, spillage from entering drains or water courses.

Version No 1.1

Ammonia CHEMets & VACUettes Refills and Ammonia Vacu-vials Ampoules

Issue Date: 25/04/2017 Print Date 25/04/2017

 Use fire fighting procedures suitable for surrounding 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 Equipment should be thoroughly decontaminated after use. Non combustible Not considered a significant fire risk, however containers may burn. Fire/Explosion Hazard May emit poisonous fumes May emit corrosive furnes.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Minor Spills	 Clean up all spills immediately. Avoid breathing vapours and contact with skin and eyes. Control personal contact with the substance, by using protective equipment. Contain and absorb spill with sand, earth, inert material or vermiculite. Wipe up. Place in a suitable, labelled container for waste disposal. 	
Major Spilis	Moderate hazard. Clear area of personnel and move upwind. Alert Fire Brigade and tell them location and nature of hazard. Wear breathing apparatus plus protective gloves. Prevent, by any means available, spillage from entering drains or water course. Stop leak if safe to do so. Contain spill with sand, earth or vermiculite. Collect recoverable product into labelled containers for recycling. Neutralise/decontaminate residue (see Section 13 for specific agent). Collect solid residues and seal in labelled drums for disposal. Wash area and prevent runoff into drains. After dea and prevent runoff into drains. If contamination of drains or waterways occurs, advise emergency services.	

SECTION 7 HANDLING AND STORAGE

Precautions for safe handling

- Avoid all personal contact, including inhalation.
- Wear protective clothing when risk of exposure occurs.
- Use in a well-ventilated area.
- Prevent concentration in hollows and sumps.
- DO NOT enter confined spaces until atmosphere has been checked.

 DO NOT allow material to contact humans, exposed food or food utensils

Personal Protective Equipment advice is contained in Section 8 of the SDS

- Avoid contact with incompatible materials.
 - When handling, DO NOT eat, drink or smoke. Keep containers securely sealed when not in use.
 - Avoid physical damage to containers.
 - Always wash hands with soap and water after handling.
 - Work clothes should be laundered separately. Launder contaminated clothing before re-use.
 - Use good occupational work practice.
 - Atmosphere should be regularly checked against established exposure standards to ensure safe working conditions are maintained.
 - DO NOT allow clothing wet with material to stay in contact with skin > Wear impact- and splash-resistant eyewear. Break the ampoule tip only when it is completely immersed in sample. Breaking the tip in
 - air may cause the glass ampoule to shatter.

Other Information

Safe handling

For optimum analytical performance, store in the dark and at room temperature.

Conditions for safe storage, including any incompatibilities

Suitable	container	

- Polyethylene or polypropylene container.
- Packing as recommended by manufacturer. Check all containers are clearly labelled and free from leaks.

Storage incompatibility

PACKAGE MATERIAL INCOMPATIBILITIES Not Available

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

OCCUPATIONAL EXPOSURE LIMITS (OEL)

INGREDIENT DATA

Not Available

EMERGENCY LIMITS

Ingredient	Material name	TEEL-1	TEEL-2	TEEL-3
potassium sodium tartrate	Sodium potassium tartrate; (Potassium sodium tartrate)	9 mg/m3	99 mg/m3	590 mg/m3
potassium sodium tartrate	Sodium potassium tartrate tetrahydrate	9 mg/m3	99 mg/m3	590 mg/m3

Version No. 1.1

Ammonia CHEMets & VACUettes Refills and Ammonia Vacu-vials Ampoules

Print Date: 25/04/2017

Ingredient	Original IDLH	Revised IDLH
2-hydroxybenzyl alcohol	Not Available	Not Available
citric acid, monohydrate	Not Available	Not Available
potassium sodium tartrate	Not Available	Not Available
water	Not Available	Not Available

Exposure controls

Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection. The basic types of engineering controls are:

Process controls which involve changing the way a job activity or process is done to reduce the risk.

Enclosure and/or isolation of emission source which keeps a selected hazard "physically" away from the worker and ventilation that strategically "adds" and "removes" air in the work environment. Ventilation can remove or dilute an air contaminant if designed properly. The design of a ventilation system must match the particular process and chemical or contaminant in use.

Employers may need to use multiple types of controls to prevent employee overexposure.

General exhaust is adequate under normal operating conditions. Local exhaust ventilation may be required in special circumstances, If risk of overexposure exists, wear approved respirator. Supplied-air type respirator may be required in special circumstances. Correct fit is essential to ensure adequate protection. Provide adequate ventilation in warehouses and enclosed storage areas. Air contaminants generated in the workplace possess varying "escape" velocities which, in turn, determine the "capture velocities" of fresh circulating air required to effectively remove the contaminant.

Appropriate engineering controls

Type of Contaminant.	Air Speed:
solvent, vapours, degreasing etc., evaporating from tank (in still air).	0.25-0.5 m/s (50-100 f/min)
aerosols, fumes from pouring operations, intermittent container filling, low speed conveyer transfers, welding, spray acid fumes, pickling (released at low velocity into zone of active generation)	drift, plating 0.5-1 m/s (100-200 f/min.)
direct spray, spray painting in shallow booths, drum filling, conveyer loading, crusher dusts, gas discharge (active gane of rapid air motion)	generation into 1-2.5 m/s (200-500 f/min.)
grinding, abrasive blasting, tumbling, high speed wheel generated dusts (released at high initial velocity into zone of air motion)	of very high rapid 2.5-10 m/s (500-2000 f/min.)

Within each range the appropriate value depends on:

Lower end of the range	Upper end of the range
1: Room air currents minimal or favourable to capture	1. Disturbing room air currents
2: Contaminants of low toxicity or of nuisance value only.	2 Contaminants of high toxicity
3: Intermittent, low production.	3: High production, heavy use
4: Large hood or large air mass in motion	4: Small hood-focal control only

Simple theory shows that air velocity falls rapidly with distance away from the opening of a simple extraction pipe. Velocity generally decreases with the square of distance from the extraction point (in simple cases). Therefore the air speed at the extraction point should be adjusted, accordingly, after reference to distance from the contaminating source. The air velocity at the extraction fan, for example, should be a minimum of 1-2 m/s (200-400 f/min) for extraction of solvents generated in a tank 2 meters distant from the extraction point. Other mechanical considerations, producing performance deficits within the extraction apparatus, make it essential that theoretical air velocities are multiplied by factors of 10 or more when extraction systems are installed or used.

Personal protection

Eye and face protection









- Safety glasses with side shields.
- Chemical goggles
- Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lenses or restrictions on use, should be created for each workplace or task. This should include a review of lens absorption and adsorption for the class of chemicals in use and an account of injury experience. Medical and first-aid personnel should be trained in their removal and suitable equipment should be readily available. In the event of chemical exposure, begin eye imigation immediately and remove contact lens as soon as practicable. Lens should be removed at the first signs of eye redness or irritation - lens should be removed in a dean environment only after workers have washed hands thoroughly. [CDC NIOSH Current Intelligence Bulletin 59], [AS/NZS 1336 or national equivalent]

Skin protection

See Hand protection below

- Wear chemical protective gloves, e.g. PVC.
- Wear safety footwear or safety gumboots, e.g. Rubber

NOTE:

- 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.
- Contaminated leather items, such as shoes, belts and watch-bands should be removed and destroyed. The selection of suitable gloves does not only depend on the material, but also on further marks of quality which vary from manufacturer to manufacturer. Where

the chemical is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior The exact break through time for substances has to be obtained from the manufacturer of the protective gloves and has to be observed when making a final

Hands/feet protection

choice:

Personal hygiene is a key element of effective hand care. Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly. Application of a non-perfumed moisturizer is recommended.

Suitability and durability of glove type is dependent on usage. Important factors in the selection of gloves include:

- frequency and duration of contact.
- chemical resistance of glove material.
- glove thickness and

Select gloves tested to a relevant standard (e.g. Europe EN 374, US F739, AS/NZS 2161.1 or national equivalent).

When prolonged or frequently repeated contact may occur, a glove with a protection class of 5 or higher (breakthrough time greater than 240 minutes according to EN 374, AS/NZS 2161.10.1 or national equivalent) is recommended.

When only brief contact is expected, a glove with a protection class of 3 or higher (breakthrough time greater than 60 minutes according to EN 374, AS/NZS 2161.10.1 or national equivalent) is recommended.

Some glove polymer types are less affected by movement and this should be taken into account when considering gloves for long-term use.

Contaminated gloves should be replaced.

For general applications, gloves with a thickness typically greater than 0.35 mm, are recommended.

It should be emphasised that glove thickness is not necessarily a good predictor of glove resistance to a specific chemical, as the permeation efficiency of the glove will be dependent on the exact composition of the glove material. Therefore, glove selection should also be based on consideration of the task requirements and knowledge of breakthrough times.

Glove thickness may also vary depending on the glove manufacturer, the glove type and the glove model. Therefore, the manufacturers' technical data should always be taken into account to ensure selection of the most appropriate glove for the task.

Note: Depending on the activity being conducted, gloves of varying thickness may be required for specific tasks. For example:

- Thinner gloves (down to 0.1 mm or less) may be required where a high degree of manual dexterity is needed. However, these gloves are only likely to give short duration protection and would normally be just for single use applications, then disposed of.
- Thicker gloves (up to 3 mm or more) may be required where there is a mechanical (as well as a chemical) risk i.e. where there is abrasion or puncture potential

Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly. Application of a non-perfurmed moisturiser is

Body protection

See Other protection below

Other protection

- Overalls. P.V.C. apron.
- Barrier cream.
- Skin deansing cream.
- ▶ Eye wash unit.

Thermal hazards Not Available

Recommended material(s)

GLOVE SELECTION INDEX

Glove selection is based on a modified presentation of the:

"Forsberg Clothing Performance Index".

The effect(s) of the following substance(s) are taken into account in the computergenerated selection:

Ammonia CHEMets & VACUettes Refills and Ammonia Vacu-vials Ampoules

Material	CPI
BUTYL	A
NEOPRENE	A
VITON	A
NATURAL RUBBER	С
PVA	С

* CPI - Chemwatch Performance Index

A: Best Selection

B: Satisfactory: may degrade after 4 hours continuous immersion

C: Poor to Dangerous Choice for other than short term immersion

NOTE: As a series of factors will influence the actual performance of the glove, a final selection must be based on detailed observation. -

* Where the glove is to be used on a short term, casual or infrequent basis, factors such as "feet" or convenience (e.g. disposability), may dictate a choice of gloves which might otherwise be unsuitable following long-term or frequent use. A qualified practitioner should be consulted.

Respiratory protection

Not Available

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance Colourless Physical state Relative density (Water = 1) llquid Partition coefficient n-octanol / Characteristic Not Available Odour Odour threshold Not Available Auto-ignition temperature (°C) Not Available pH (as supplied) Decomposition temperature Not Available Melting point / freezing point 0 Viscosity (cSt) Not Available Initial boiling point and boiling Molecular weight (g/mol) Not Available range (°C) Flash point (°C) Not Applicable Not Available **Evaporation rate** Not Available Explosive properties Not Available Flammability Not Available Not Applicable **Oxidising properties** Surface Tension (dyn/cm or Upper Explosive Limit (%) Not Available Not Available Lower Explosive Limit (%) Not Available Volatile Component (%vol) Not Available Not Available Vapour pressure (kPa) Not Available Gas group Solubility in water (g/L) Miscible pH as a solution Not Available

Print Date 25/04/2017

Vapour density (Air = 1) Not Available	VOC g/L	Not Available
SECTION 10 STABILITY A	ND REACTIVITY		
Reactivity	See section 7		
Chemical stability	Unstable in the presence of incompatible materials. Product is considered stable. Hazardous polymerisation will not occur.		
Possibility of hazardous reactions	See section 7		
Conditions to avoid	See section 7		
Incompatible materials	See section 7		
Hazardous decomposition products	See section 5		
SECTION 11 TOXICOLOG	ICAL INFORMATION		
Information on toxicologic	al effects		
	The material can cause respiratory Irritation in some persons. The body's response	to such irritation	can cause further lung damage
Inhaled	Not normally a hazard due to non-volatile nature of product The material has NOT been classified by EC Directives or other classification system animal or human evidence.		
Ingestion	The material has NOT been classified by EC Directives or other classification system animal or human evidence.	ms as "harmful l	by ingestion". This is because of the lack of corroborating
Skin Contact	This material can cause inflammation of the skin on contact in some persons. The material may accentuate any pre-existing dermatitis condition Skin contact is not thought to have harmful health effects (as classified under EC Dir through wounds, lesions or abrasions. Open cuts, abraded or irritated skin should not be exposed to this material Entry into the blood-stream, through, for example, cuts, abrasions or lesions, may proof the material and ensure that any external damage is suitably protected.		
Eye	This material can cause eye irritation and damage in some persons.		
Chronic	Long-term exposure to respiratory irritants may result in airways disease, involving di Skin contact with the material is more likely to cause a sensitisation reaction in some Substance accumulation, in the human body, may occur and may cause some concer	persons compa	red to the general population.
Ammonia CHEMets &	TOWNER OF THE PARTY OF THE PART		
VACUettes Refilis and Ammonia Vacu-vials Ampoules	TOXICITY	RITATION	
Ammonia CHEMets & VACUettes Refills and Ammonia Vacu-vials	TOXICITY	RITATION	
Ampoules			
2-HYDROXYBENZYL ALCOHOL	The following information refers to contact allergens as a group and may not be sp. Contact allergies quickly manifest themselves as contact eczema, more rarely as u involves a cell-mediated (T lymphocytes) immune reaction of the delayed type. Oth mediated immune reactions. The significance of the contact allergen is not simply and the opportunities for contact with it are equally important. Effects on fertility, specific developmental abnormalities (musculosketetal system) respectively.	urticaria or Quino er allergic skin re determined by its	ke's oedema. The pathogenesis of contact eczema eactions, e.g. contact urticaria, involve antibody-
CITRIC ACID, MONOHYDRATE	The material may be irritating to the eye, with prolonged contact causing inflammation. Repeated or prolonged exposure to irritants may produce conjunctivitis.		
2-HYDROXYBENZYL ALCOHOL & CITRIC ACID, MONOHYDRATE	Asthma-like symptoms may continue for months or even years after exposure to the reactive airways dysfunction syndrome (RADS) which can occur after exposure to RADS include the absence of previous airways disease in a non-atopic individual, whours of a documented exposure to the irritant. Other criteria for diagnosis of RADs severe bronchial hyperreactivity on methacholine challenge testing, and the lack of asthma) following an irritating inhalation is an infrequent disorder with rates related substance.	high levels of hi vith sudden onse S include a reve minimal lymphod	ighly imitating compound. Main criteria for diagnosing of of persistent asthma-like symptoms within minutes to rsible airflow pattern on lung function tests, moderate to cytic inflammation, without eosinophilia. RADS (or
2-HYDROXYBENZYL ALCOHOL & POTASSIUM SODIUM TARTRATE & WATER	No significant acute toxicological data identified in literature search.		
Acute Toxicity	Car	cinogenicity	0
Skin Irritation/Corrosion		productivity	0
Serious Eye Damage/Initation	✓ STOT - Sing		0
Respiratory or Skin sensitisation	✓ STOT - Repeate		0

Aspiration Hazard

Legend:

Data available to make classification

Data eveilable but does not fill the criteria for classification

Data Not Available to make classification

CMR STATUS

Not Applicable

SECTION 12 ECOLOGICAL INFORMATION

Mutagenicity S

Toxicity

NOT	AVAII	LABLE
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Ingredient	Endpoint	Test Duration (hr)	Effect	Value	Species	BCF
Ammonia CHEMets & VACUettes Refills and Ammonia Vacu-vials Ampoules	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
2-hydroxybenzyl alcohol	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
citric acid, monohydrate	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
potassium sodium tartrate	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
water	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available

DO NOT discharge into sewer or waterways,

Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
2-hydroxybenzyl alcohol	LOW	LOW
citric acid, monohydrate	LOW	LOW
water	LOW	LOW

Bioaccumulative potential

Ingredient	Bioaccumulation
2-hydroxybenzyl alcohol	LOW (LogKOW = 0,73)
citric acid, monohydrate	LOW (LogKOW = -1.64)
water	LOW (LogKOW = -1.38)

Mobility in soil

Ingredient	Mobility
2-hydroxybenzyl alcohol	LOW (KOC = 25.9)
citric acid, monohydrate	LOW (KOC = 10)
water	LOW (KOC = 14.3)

SECTION 13 DISPOSAL CONSIDERATIONS

Waste treatment methods

Product / Packaging disposal

Legislation addressing waste disposal requirements may differ by country, state and/or territory. Each user must refer to laws operating in their area, in some areas, certain wastes must be tracked.

Dispose of according to federal, state, and local regulations.

SECTION 14 TRANSPORT INFORMATION

Print Date: 25/04/2017

Labels Required

Marine Poliutant

Land transport (DOT): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS

Transport in bulk according to Annex II of MARPOL and the IBC code

Source	Ingredient	Pollution Category
	Ammonia CHEMets & VACUettes Refills and Ammonia Vacu-vials Ampoules	

SECTION 15 REGULATORY INFORMATION

Safety, health and environmental regulations / legislation specific for the substance or mixture

2-hydroxybenzyl alcohol(90-01-7) is found on the following regulatory lists	"International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs", "US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory"
citric acid, monohydrate(5949-29-1) is found on the following regulatory lists	"US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory"
potassium sodium tartrate(6381-59-5) is found on the following regulatory lists	"US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory"
water(7732-18-5) is found on the following regulatory lists	"US - Pennsylvania - Hazardous Substance List", "US Toxic Substances Control Act (TSCA) - Chemical Substance Inventory"

SECTION 16 OTHER INFORMATION

Other information

Ingredients with multiple cas numbers

Name	CAS No	
Not Available	Not Available	

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

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Simplicity in Water Analysis

Cover Page for Safety Data Sheet

Thank you for choosing CHEMetrics, Inc. We appreciate your business. In order to best serve your needs for accurate and complete Safety Data, we offer the following information as supplemental to the attached SDS.

SDS No.: R1402

Version No.: 1.1

Product Name: Ammonia CHEMets® & VACUettes® Refills and Ammonia Vacu-vials® Ampoules

Part Nos.: R-1402, R-1402B, R-1402D, K-1413 Ampoules

Product Descriptions:

CHEMets Refills: Sealed glass ampoules, 7 mm OD, for visual colorimetric water analysis. Each CHEMet™ ampoule contains approximately 0.3 mL of liquid reagent sealed under vacuum. Refills contain 30 ampoules, test kits contain 1 refill.

VACUettes Refills: Sealed glass ampoules, 7 mm OD, with small glass capillary attached, for visual colorimetric water analysis. Each VACUette™ ampoule contains approximately 0.3 mL of liquid reagent sealed under vacuum. Refills contain 30 ampoules, test kits contain 1 refill.

Vacu-vials Ampoules: Sealed glass ampoules, 13 mm OD, for instrumental colorimetric water analysis. Each Vacu-vial™ ampoule contains approximately 1 mL of liquid reagent sealed under vacuum. Test kits contain 30 ampoules.

Addendum to Section 14 Transport Information:

Shipping container markings and labels for this product, as received, may vary from the contents of section 14 of the SDS for one or both of the following reasons:

- CHEMetrics has packaged this product as Dangerous Goods in Excepted Quantities according to IATA, US DOT, and IMDG regulations.
- CHEMetrics has packaged this product as part of a test kit or reagent set composed of various chemical reagents and elected to ship as UN 3316 Chemical Kit, Hazard Class 9, Packing Group II or III.

In case of reshipment, it is the responsibility of the shipper to determine appropriate labels and markings in accordance with applicable transportation regulations.

Additional Information:

- "Print Date" = Revision Date (expressed as DD/MM/YYYY)
- Test kits and reagents sets may contain additional chemical reagents. See separate SDS(s).

CHEMets®, VACUettes®, Vacu-vials®, and Titrets® are registered trademarks of CHEMetrics Inc.

Scroll down for all Safety Data Sheets (SDS) for this product.

Total Enclosures: 4