



Safety Data Sheet

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Product Name/Identifier	Anti-seize compound
Product Code	GG3012
Product Use	Industrial anti-seize
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
Not classified	Not classified	Not classified

GHS LABEL:

EU LABEL:

Unclassified



Safety Data Sheet

Hazard Statements:

Code	Health hazard statements	Hazard class	Hazard category
H316	Causes mild skin irritation	Skin corrosion/irritation (chapter 3.2)	3
H320	Causes eye irritation	Eye damage/irritation(chapter 3.3)	2

Precautionary Statements:

Code	Prevention precautionary statements	Hazard class	Hazard category
P264	Wash thoroughly after handling	Eye damage/irritation (Chapter 3.3)	2

Response:

Code	Response precautionary statements	Hazard class	Hazard category
P305+P351 +P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing	Eye damage/irritation (chapter 3.3)	2
P337+P313	If eye irritation persists: Get medical advice/attention.	Eye damage/irritation (chapter 3.3)	2
P332+P313	If skin irritation occurs: Get medical advice/attention.	Skin corrosion/irritation (Chapter 3.2)	3

SECTION 3 COMPOSITIONS / INFORMATION ON INGREDIENTS

Chemical Identity	CAS #	EINECS #	R Phrase	S Phrase	Weight %
Highly refined base Oils(Mineral Oils)	Proprietary	Proprietary	-	-	88-95
Additives which may include thickeners, extreme pressure agents, antioxidants, tackifier, and water wash out.	Proprietary	Proprietary	-	-	5-8
Other Proprietary additives	Proprietary	Proprietary	-	-	Blend

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	Remove contaminated clothing. Flush exposed area with large amount of water for at least 15 minutes followed by washing with soap. If redness, swelling, pain and blister occur, transport to the nearest medical facility for additional treatment.



Safety Data Sheet

Inhalation	Remove from further exposure. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped, assist ventilation with a mechanical device or use mouth-to-mouth resuscitation
Ingestion	If swallowed, give 2 glasses of water. Do not induce vomiting. Do not give anything to drink if unconscious. Transport to nearest medical facility for additional treatment.

SECTION 5 FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Non-flammable. Use water spray, fog or foam to cool fire exposed surfaces and to protect personnel.
Unsuitable Extinguishing Media	-
Specific Hazards Arising from the Chemical	Oxides of carbon, smoke, fume, incomplete combustion products
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 fire, wear self-contained breathing apparatus. Use water spray to cool fire exposed surfaces and to protect personnel.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal Precautions and Protective Equipment	Avoid contact with spilled material. Warn or evacuate occupants in surrounding and downwind areas if required, due to toxicity or flammability of the material. Refer to protective measures listed in sections 7 and 8. Prevent further leakage or spillage if safe to do so. Keep away from open flames, hot surfaces and sources of ignition. Keep away from incompatible products. Isolate the area. Cover the spreading liquid with foam in order to slow down the evaporation. Ventilate the area.
Environmental Precautions	Large Spills: Dyke far ahead of liquid spill for later recovery and disposal. Prevent discharges into the environment (sewers, rivers, soils), basements or confined areas. Immediately notify the appropriate authorities in case of discharge.
Method for Cleaning Up & Containment	Scrap up grease and deposit into containers for disposal.
Emergency Procedures	Shut off leaks, if possible without personal risks. Remove all possible ignitions in the surrounding area. Use appropriate containment to avoid environmental contamination. 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.



Safety Data Sheet

SECTION 7 HANDLING AND STORAGE

Precautions for Safe Handling: Avoid contact with skin and eyes. Prevent product vapours decomposition from contacting hot spots. Prevent product vapours decomposition from electric arc action (welding). Preferably transfer by pump or gravity. Use only equipment and materials which are compatible with the product. Keep away from heat and sources of ignition. Keep away from incompatible products.

Conditions for Safe Storage: Keep container dry. Keep in a cool, well-ventilated place. Open slowly in order to control possible pressure release. Ground all equipment containing material. Storage containers should be earthed and bonded. Drums must be earthed and bonded and equipped with self-closing valves, pressure vacuum bungs and flame arresters. Keep container tightly closed. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

Storage temperature: Ambient

Storage/Transport Pressure: Atmospheric

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Component	ACGIH TLV	ACGIH STEL	OSHA PEL	OSHA STEL
Highly refined base Oils(Mineral Oils)	NA	NA	NA	NA
Additives which may include thickeners, extreme pressure agents, antioxidants, tackifier, and water wash out.	NA	NA	NA	NA
Other Proprietary additives	NA	NA	NA	NA

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	Wear protective goggles for all industrial operations. If risk of splashing, chemical proof goggles/face shield.
Skin Protection	Apron/boots of neoprene if risk of splashing. For hand protection, use chemical resistant protective gloves such as Polyvinyl alcohol.
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



Safety Data Sheet

Thermal hazards	NA
-----------------	----

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Odour	Characteristic odour
Odour Threshold	NA
pH	NA
Melting Point/ Freezing Point (°C)	260°C
Initial boiling point and range (°C)	Not determined
Flash Point (°C) [According to ISO 3679, Closed Cup Testing]	Not determined
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	0.95± 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

SECTION 10 STABILITY AND REACTIVITY

Reactivity/Incompatible materials	Strong oxidizers, strong caustics, plastics, rubber, nitric acid, water + heat, and chemically active metals, such as aluminum and magnesium powder, sodium, potassium, and lithium. Avoid contact with open flames and electrical arcs. Liquid Dichloromethane will attack some forms of plastics, rubber, and coatings.
-----------------------------------	---



Safety Data Sheet

Chemical Stability	Stable at normal temperatures and storage conditions.
Possibility of hazardous reactions	Not determined
Hazardous decomposition products	Normal combustion forms carbon dioxide; Incomplete combustion may produce carbon monoxide.
Conditions to avoid	Avoid contact with excessive heat

SECTION 11 TOXICOLOGICAL INFORMATION

Animal Data

Mouse skin painting studies have shown that highly solvent-refined petroleum distillates similar to ingredients in this product have not caused skin tumors.

SECTION 12 ECOLOGICAL INFORMATION

Toxicity	No specific aquatic toxicity data available for this product
Persistence/Degradability	Expected to be inherently biodegradable
Mobility in soil	NA

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. The incinerator must be equipped with a system for the neutralization or recovery of HF.

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	Not regulated
UN Class	NA
Subsidiary risk	NA



Safety Data Sheet

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
Marine pollutant	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



Safety Data Sheet

EU Information

Risk Phrase: Not applicable

Safety Phase: Not applicable

USA Information

This product does not contain any chemical(s) that is listed under Comprehensive Environmental Response and Liability Act of 1980 (CERCLA).

Superfund Amendments and Reauthorization Act (SARA) Title III Information:

SARA Section 311/312 (40 CFR 370) Hazard Categories: No applicable

This product does not contain any toxic chemical(s) subject to reporting requirements of SARA Section 313 (40 CFR 372).

Canada Information

This product does not contain any chemical(s) which is listed under WHMIS classification.

SECTION 16 OTHER INFORMATION

Department issuing date sheet: Vance Chemicals Quality Control and Laboratory

Original Issue date: 1st January 2010

Issue date: N.A

Revision date: 19th August 2011

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.