SECTION 1: PRODUCT INGREDIENT AND COMPANY IDENTIFICATION

Trade Name	Amco Velox Titanium SAE 5W40 API SP
Product Use	Petrol Engine Oil
Manufacturer / Supplier	**AMCO LUBRICANTS FZCO** No:6, Street No: 531, Jebel Ali Freezone Dubai - UAE
Emergency Telephone	00971 42286630

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT NAME	CAS. No	Weight
Distillate Petroleum Hydrotreated Heavy Paraffin	64742-54-7	50 - 75%
1-Decene Homopolymer Hydrogenated	68037-01-4	10 - 25%
Organo Moly Sulfur Complex	-	0.1 - 1%
Performance Additive	Mixture	15 - 20%

Hazardous Ingredients The product does not contain any component that may be a significant health and safety hazard as long as normal precautions in oils are observed and good standards of industrial and personal hygiene are maintained. However, in the event of a medical emergency, compositional information will be provided to the attending physician or nurse if necessary.

Substances / Mixture Mixture, Highly Refined Base Oil (IP 346 DMSO extract <3%). Proprietary performance additives.

SECTION 3: HAZARDS IDENTIFICATION

Primary Entry Routes Eye contact, skin contact or absorption, inhalation of vapors

Target Organs Eyes, skin, respiratory system

Eye Contact Slightly irritating on direct contact

Skin Contact Low order of toxicity. Prolonged or repeated contact may result in the defatting of skin, leading to irritation and possibly dermatitis.

Inhalation Product has low vapor pressure and is not expected to present an inhalation hazard at ambient conditions. Caution should be taken to prevent misting of this product. Exposures below 5 mg/m3 appear to be without significant health risk.

Ingestion Minimal toxicity

Other Information Long-term exposure to small doses of base oil by inhalation, aspiration or ingestion can lead to lipid pneumonia or lipid granuloma of the lung. These are low-grade, chronic, localized tissue reactions. Shortness of breath and cough are most common symptoms.

SECTION 4: FIRST AID MEASURES

Eye Contact Immediately flush eyes with large amount of water for at least 15 minutes or until irritation subsides. If irritation persists, get prompt medical attention.

Skin Contact Immediately flush with large amount of water; use soap if available. Remove contaminated clothing, including shoes, and launder before reuse.

Inhalation This product has a low vapor pressure and is not expected to present an inhalation problem at ambient temperature. However, if overexposed to

	oil mist, using proper respiratory protection, immediately remove the affected person immediately to fresh air. Administer artificial respiration if breathing is stopped. Keep at rest. Call for prompt medical attention.
Ingestion	If swallowed, DO NOT induce vomiting. If individual is conscious, give milk or water to dilute stomach contents. Keep warm and quiet. Get immediate medical attention. DO NOT attempt to give anything by mouth to an unconscious person.

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing Media	In case of fire use foam, carbon dioxide or dry chemical extinguishers.
Special Fire-fighting Procedures	Water jets should not be used directly on igniting products. Avoid spraying water directly into storage containers due to danger of over-boil. However, water may be used to cool exposed containers, structures and equipment adjacent to fire. Respiratory and eye protection required for fire-fighting personnel.
Decomposition Products under fire conditions	Fumes, smoke, oxides of sulfur, nitrogen, carbon and other toxic gases may be formed.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Land Spill	Taking normal safety precaution, eliminate sources of ignition. Prevent additional discharge of material, if possible to do so without hazard. For small spills, implement cleanup procedures. For large spills, implement clean-up procedures and, if in public area, keep public away and advise authorities. Prevent material from entering sewers, water courses, or low areas. Contain spilled material with sand or earth. Recover by scraping. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.
Water Spill	Use booms to confine spills immediately. Remove from water surface by skimming or with suitable adsorbents. If allowed by local authorities and environmental agencies, sinking and/or suitable dispersants may be used in non-confined waters. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

SECTION 7: HANDLING AND STORAGE

Handling Procedures	Keep away from potential sources of ignition. Open container in a well ventilated area. Avoid breathing vapors. Keep containers closed when not in use. Wash thoroughly after handling. "Empty" containers and retain product residue (liquid or vapor) can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat, flame, sparks, static electricity or other sources of ignition; they may explode and cause death or injury. Empty drums should be completely drained, properly bunged and promptly returned to a drum re-conditioner, or properly disposed off.
Storage Procedures	Store in a cool dry place with adequate ventilation. Keep at temperature not exceeding 50°C. Keep containers away from sparks, flame and strong oxidants.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation Procedures	The use of local exhaust ventilation is recommended to control mists or

	vapors. Additional ventilation or exhaust may be required to maintain air concentrations below exposure limits.
Skin Protection	No skin protection is required for single, short duration, exposures. For prolonged, repeated exposures and if handling hot materials, use impervious clothing (boots, aprons, etc.) over parts of the body subject to exposure.
Eye Protection	Eye protection is not required under conditions of normal use. If materials are handled such that they could be splashed into the eyes, wear plastic face shield or splash-proof safety goggles.
Respiratory Protection	Respiratory protection is not required under conditions of normal use. If vapor or mist generated when the materials are heated or handled, use an organic vapor respirator with dust and mist filter. All respirators must be NIOSH certified. Do not use compressed oxygen in hydrocarbon atmospheres.
Others	Consumption of food and beverage should be avoided in work areas where hydrocarbons are present. Always wash hands and face with soap and water before eating and drinking.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Color	Amber Yellow
Physical State	Liquid
Odor	Petroleum Odor
pH	Not Applicable
Vapor Pressure	<0.01 mmHg @ 37.8 °C (100 °F)
Vapor Density (Air = 1)	>1
Boiling Point	>315°C (599°F)
Solubility	Soluble in hydrocarbons; insoluble in water
Pour Point, °C (Min)	-39
Flash Point, °C (Min)	212
Density @ 15°C	0.848
K.Viscosity @ 100°C, mm2/s	13.6

SECTION 10: STABILITY AND REACTIVITY

Stability (Thermal, Light, etc.)	Stable
Chemical Stability	Stable under normal conditions
Conditions to avoid	Extremes of temperature and contact with incompatables
Incompatibility	Strong oxidizing agents such as chlorates, nitrates, peroxides, etc
Polymerization	Not Applicable
Hazardous Decomposition Products	Thermal decomposition or burning may release oxides of carbon, nitrogen and other toxic gases or vapors.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Inhalation	Negligible hazard under ambient temperature conditions (-18 to 38°C)
Skin Contact	Low order of toxicity. Frequent or prolonged contact may cause mild skin

	discomfort.
Eye Contact	Will cause eye discomfort; may injure eye tissue if not removed promptly
Ingestion	Minimum Toxicity

SECTION 12: ECOLOGICAL INFORMATION

Environmental Mobility	Oil component of this product floats and can migrate from water to land.
Environmental Degradability	Data have not been determined specifically for this product, but it is not expected that it will be "readily" biodegradable.
Ecotoxicity & Bioaccumulation	Data have not been determined specifically for this product, but it is expected to be harmful to aquatic organisms.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal	Material, if discarded, is expected to be hazardous waste due to toxicity. Waste management should be in compliance with local and national regulations.

SECTION 14: TRANSPORT INFORMATION

Land	This product is not regulated for road/rail transport.
Sea	This product is not regulated for sea transport
Air	This product is not regulated for air transport (ICAO/IATA).

SECTION 15: REGULATORY INFORMATION

Regulatory Status of Ingredients	No components of material were found on the regulatory lists. All Components comply with following chemical Inventory requirements: EINEC (EU), IECSC (China), KECI (Korea), TSCA (United States)
Regulatory Status	MSDS has been prepared in complience with Controlled Product Regulation

SECTION 16: OTHER INFORMATION

NFPA Ratings	Health: 0 Flammability: 1 Reactivity: 0
HMIS Ratings	Health: 1 Flammability: 1 Reactivity: 0

DISCLAIMER

This Material Safety Data Sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in this data sheet which we have received from sources outside our company. We believe that information to be correct, but cannot guarantee its accuracy or completeness. Health and safety precautions in this Data sheet may not be adequate for all individuals and/or situations. It is the users' obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either express or implied.

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