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NORGLASS

MATERIAL SAFETY DATA SHEET

PRODUCT: WAX AND GREASE REMOVER

IDENTIFICATION

Product Name	:	**Wax and Grease Remover**
Other Names	:	
Product Code	:	**3060**
UN Number	:	**1263**
Correct Shipping Name	:	**Paint related material**
Dangerous Goods	:	**3 – Flammable Liquid**
Class & Subsidiary Risk	:	**Not applicable**
Hazchem Code	:	**3[Y] E**
Poison Schedule		
Number	:	**55**
Use	:	**Cleaning solvent – used prior to painting**

PHYSICAL DESCRIPTION/PROPERTIES

Appearance	:	**Clear liquid with mild odour.**
Boiling Range °C	:	**47-195**
Melting Point °C	:	**Not measured**
Vapour Pressure 25 °C	:	**<30**
Flash Point °C	:	**<0 (ASTM D56)**
Specific Gravity	:	**0.75-0.85**
Flammability Limits	:	**LEL 0.6%, UEL 9% by volume**
Solubility in Water	:	**Negligible**

INGREDIENTS

Chemical Entity	CAS Number	Proportions w/w
Petroleum Hydrocarbon liquid Mixture	64742-88-7	30- <60%
Petroleum Hydrocarbon liquid Mixture	64742-89-8	30- <60%
Benzene <0.1%	71-43-2	
Butanol	78-83-1	1- <10%
n-Hexome	110-54-3	<7%

HEALTH HAZARD INFORMATION

Health Effect

Acute

Swallowed : **The product may cause headaches, dizziness, nausea, vomiting**

irritation of the mucous membrane and gastro-intestinal disturbances if swallowed in larger doses. Ingestion of larger quantities could result in an anaesthetic effect and cause unconsciousness. Aspiration of liquid or fumes into the lungs could cause chemical pneumonia. Liquid hydrocarbons in the product are harmful and could cause lung damage if swallowed.

Eye : **On entering the eye the product could cause moderate amount of irritation. Swelling and reddening of the eye is highly likely especially if the product is left in eye for some time. Unless left in the eye for a prolonged period of time the product is not expected to cause any irreversible damage of the eyes.**

Skin : **The product is harmful and will cause de-fatting of the skin. Petroleum hydrocarbon solvents in the product will irritate the skin and cause drying and defatting of skin. Defatting of the skin can result in the solvents being absorbed through the skin**

Inhaled : **Harmful by inhalation. Inhalation of high concentrations can produce irritation of the respiratory tract and central nervous system depression that could lead to impaired judgement and loss of co-ordination. If high exposure is prolonged unconsciousness could result.**

Chronic : **The following chronic effect may be exhibited due to the Solvents – petroleum hydrocarbon solvent mixture (parrafins and naphthenes).**
Repeated and prolonged liquid contact may cause skin irritation, defatting and could result in contact dermatitis and eczema. N-Hexane in the product can cause peripheral neuropathy in exposed individuals. The effects may progress for 2-3 months and recovery is not immediate. Concurrent exposure to n-Hexane and Methyl ethyl ketone will accelerate the onset of n-Hexane induced nerve damage.
Benzene if present above 0.1% in the product is a suspected carcinogen and is toxic by inhalation, so avoid any inhalation and skin contact with the product, although the content of Benzene in the product is below 0.1%.
Recurrent overexposure may result in respiratory tract irritation liver and kidney damage and blood disorders.

If ingested at high concentrations product may cause pulmonary oedema, nausea, vomiting and abdominal pain.
As with any industrial chemical ingestion, inhalation of and

contact with the product must be avoided via good Industrial hygiene practices.

FIRST AID

Swallowed	**:**	**If swallowed DO NOT induce vomiting, give a glass of water, only if the patient is conscious and contact a doctor or Poisons Information Centre immediately. If vomiting, place patients face downwards and below hip level in order to avoid vomit from entering lungs.**
Eye	**:**	**Flush patient's eyes with plenty of water for at least 15 minutes.** **Contact a doctor immediately.**
Skin	**:**	**Take off contaminated clothing wipe off paint with dry cotton cloth and flush skin thoroughly with plenty of soap and water. Launder contaminated clothing before reusing. Contact a Doctor or Poisons Information Centre in case of any adverse effects.**
Inhaled	**:**	**Remove patient to fresh air. Keep patient warm and comfortable, apply artificial respiration/administer oxygen if necessary and contact a Doctor or Poisons Information Centre.**
Advice to Doctor	**:**	**Treat symptomatically. Aspiration is a danger. If contents of the stomach have to be emptied/flushed out, the procedure of gastric lavage with cuffed endotracheal tube to prevent further aspiration into lungs should be performed by experienced medical staff only.**

PRECAUTION FOR USE

Exposure standards	**:**	**No National Exposure Standard has been allocated to this product. The exposure standards are usually expressed in terms of the TWA for the chemical. TWA is the maximum time weighted average concentration of atmospheric contaminant to which nearly all workers may be repeatedly exposed, for a normal 8 hour work day and a 40 hour work week, year after year, without adverse effect. In Australia these values are published in the Exposure Standards for Atmospheric Contaminants in the Occupational Environment published by Worksafe Australia. The TWA values for chemical entities in this product have been declared on page 2 of this data sheet. The recommended TWA for this product is 50 ppm, total vapour in air. Maintain all vapour concentrations below this level and keep all concentrations of each entity below the established values.** **The product contains n-Hexane which when used in conjunction with Methyl ethyl ketone accelerates the condition of Peripheral neuropathy and therefore use all recommended protection when using any product containing MEK.** **STEL stands for Short Term Exposure Limit and means a 15 minute exposure that should not be exceeded at any time During a working day even if the eight hour TWA average is within the TWA exposure standard. The STEL values for**

chemical entities in this product have been declared on page 2 of this data sheet.

Engineering Controls	**:**	**Product and vapour from product are highly flammable, therefore keep product away from all ignition sources, direct sunlight, flames, hot surfaces, electrical, static, or frictional sparks.** **Product should be used only in well-ventilated area equipped with adequate mechanical exhaust systems.** **Where exhaust system is operational ensure all equipment of the exhaust system is "flameproof" and certified for use in an explosive environment or hazardous areas.** **It is highly recommended to carry out mixing, reduction or application of this product in a spray booth fitted with an effective exhaust system and comply with local regulations applicable to spray painting. Spray booth selection, construction, maintenance and operation should be carried out according to Australian standards AS/NZS 4114.** **Earth all equipment that is used to store, transfer or apply this product in order to disperse any build up of static charge.** **Keep all containers and all vessels closed with a lid, when the product is not being used.**
Personal Protection	**:**	**AS refers to Australia Standard – AS/NZS refers to Australian New Zealand Standard. Avoid inhalation and contact with the product by wearing impervious overalls (refer AS2919 and AS3765.1), impermeable gloves of natural, butyl or neoprene rubber or chlorinated polyethylene (conforming to AS2161), and chemical safety goggles (selected and fitted in accordance with AS 1336 to comply with AS/NZS 1337). Respiratory Equipment must be worn if exposure limits are being exceeded.** **Wear organic vapour type respirators meeting AS1715/1716.** **It is recommended that product may be applied in a well ventilated area. When applying always wear an approved organic vapour respirator meeting AS1715/1716, safety glasses with side shields, impermeable gloves and skin protection of antistatic and high heat resistant natural or synthetic fibre.** **If the vapour concentration exceeds twice the threshold limit values especially in enclosed areas wear an air supplied Respirator/mask.** **Wash hands thoroughly with soap and water immediately after using the product.**
Flammability	**:**	**The product is a Class 3, PGII, highly flammable liquid with a flash point of -15º C.** **Vapour/air mixtures may ignite explosively and flashback along the vapour trail could occur.** **Vapours of product will burn vigorously.** **Keep away from all sources of ignition, direct sunlight, flames, hot surfaces, electrical, static, or frictional sparks. Containers should be earthed during pouring or mixing. Do not allow smoking near the container of the product.**

SAFE HANDLING INFORMATION

Storage and Transport :

Correct Shipping Name : Paint UN No. 1263
The product is a Class 3 (FLAMMABLE LIQUID), PGII Dangerous goods with a Hazchem of 3[Y]E and must be stored and transported accordingly.
Keep containers tightly closed in a well-ventilated area, away from all sources of ignition and direct sunlight. The product is flammable and must be stored in a dangerous goods store complying with Commonwealth, State and local regulations.

Store in compliance with the regulations for storage of Flammable liquids and the Australian Standard for the storage of Flammable and Combustible Liquids (AS1940). Shops and distributor stores must comply with the Australian New Zealand Standard "The storage and handling of mixed classes of dangerous goods in packages and immediate bulk containers" (AS/NZS 3833:1998). Transport within Australia must be in accordance with the Australian Dangerous Goods Code (6th Edition). International Transport must comply with requirements for IMDG and IATA Codes for international transport (IMDG class: 3.3, IATA class3) Do not load on the same vehicle as Class 2.1 (Bulk), Class 2.3, Class 4.2, Class 5.1, Class 5.2 or Class 7 Dangerous Goods.

Spills and disposal :

Wear personal protection recommended in PERSONAL PROTECTION subsection, when cleaning spill. Keep all unprotected personnel and people away. Remove all sources of ignition. Shut off source of spill if safely possible – avoid becoming a casualty. Avoid breathing vapours. Ventilate the area. Contain and absorb spilt material on earth/sand or any other approved non-reactive absorbent and transfer absorbed Material, with non-sparking equipment, into marked sealable drums for disposal.
Seal, mark and label all drums for hazard – FLAMMABILITY and HAZARDOUS properties.
Prevent product from entering into drains, sewers and Waterways by using special purpose non-reactive bunds or sand.
The best way of disposing unused wet product is by incineration at an Environment Protection Authority (EPA) Licensed Waste Treatment Facility. Contact local EPA or local Council for procedure on treatment of flammable solvent based waste paint.
Containers of the product are made of steel that can be recycled. The steel cans must be empty and dry before they are sent for recycling.
Dry paint may be considered inert waste. Contact your local Environment authority for advice.
Contact the State Waste Disposal Authorities, inform them of the nature of material and make arrangements for disposal according to local, state and federal regulations.

Fire/Explosion Hazard	**:**	**The product is a Class 3 (FLAMMABLE LIQUID), Packaging Group II, Dangerous Goods with a Hazchem of 3[Y]E. Vapour/ air mixtures may ignite explosively and flashback along the vapour trail could occur.** **Vapour will burn vigorously. Vapours of this product is heavier than air and will therefore move along the floor.** **On burning, the product produces dense black smoke of unburnt Carbon and Hydrocarbons, water vapour, and oxides of Carbon. Cool closed containers exposed to fire with water Spray.** **Fire fighters should wear breathing apparatus and full protective gear. Fight fires with alcohol resistant foam, carbon dioxide or dry powder.** **Prevent water/chemicals used to fight fire from entering drains or watercourses.**

Other Handling Information:

Contact Point:

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