



SAFETY DATA SHEET

Product Name: Duco Prep

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This revision issued: May, 2024

Section 1 - Identification of The Material and Supplier

aiMix Chemicals Pty Ltd
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Chemical nature: Blend of hydrocarbons.
Trade Name: Duco Prep
Product Use: Industrial Solvent
Creation Date: March, 2006
This version issued: May, 2024 and is valid for 5 years from this date.
Poisons Information Centre: Phone 13 1126 from anywhere in Australia

Section 2 - Hazards Identification

This product is classified as hazardous according to the criteria of SWA Australia GHS7.



Signal Word:
Danger

GHS Classification

Flammable Liquids: Cat 4
Aspiration Toxicant: Cat 1
Skin Corrosion/Irritation: Cat 3
Specific Target Organ Toxicity (Single Exposure) - Category 3 Narcotic Effects
Chronic Hazard to the Aquatic Environment - Category 2

HAZARD STATEMENT:

H226: Flammable liquid and vapour.
H303: May be harmful if swallowed.
H304: May be fatal if swallowed and enters airways.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness.
H373: May cause damage to organs through prolonged or repeated exposure.
H411: Toxic to aquatic life with long lasting effects.
AUH066: Repeated exposure may cause skin dryness or cracking

PREVENTION STATEMENT:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P273: Avoid release to the environment.
P233: Keep container tightly closed.
P240: Ground and bond container and receiving equipment.
P241: Use explosion-proof electrical/ventilating/lighting and all other equipment.
P242: Use non-sparking tools.
P243: Take action to prevent static discharges.
P272: Contaminated work clothing should not be allowed out of the workplace.

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P261	Avoid breathing mist/vapours/spray..
P260	Do not breathe mist/vapour/spray.
P201	Obtain special instructions before use.
P273	Avoid release to the environment.
P271	Use only outdoors or in a well-ventilated area

RESPONSE STATEMENT

P370 + P378	In case of fire: Alcohol resistant foam is the preferred fire-fighting medium but, if it is not available, normal foam can be used.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P331	Do NOT induce vomiting.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P337 + P313	If eye irritation persists: Get medical attention.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P308 + P313	IF exposed or concerned: Get medical advice/ attention.
P312	Call a POISON CENTER or doctor if you feel unwell.
P391	Collect spillage.
P332 + P313	If skin irritation occurs: Get medical advice/attention.
P362	Take off contaminated clothing.
P304 + P340	IF INHALED: Remove victim to fresh air and keep comfortable for breathing.

Storage

P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

Disposal

P501	Dispose of contents/container in accordance with local / regional / national / international regulations
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National Transport Commission (Australia)

Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

Dangerous Goods Classification

Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

Safe Work Australia

National Guide for Classifying Hazardous Chemicals under the Model WHS Regulations

Hazard Classification Hazardous according to the criteria of Safe Work Australia under Model WHS Regulations

Section 3 - Composition/Information on Ingredients

Ingredients	CAS No	Conc,%
Petroleum spirit*	64742-89-8	<80%
Naptha (Petroleum), hydrotreated heavy	64742-48-9	to 100

* Commercially pure. Includes n-Hexane (10-30%) and ethylbenzene (<10%)

Section 4 - First Aid Measures

Swallowed	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a Poison Centre or doctor/physician for advice - Urgent hospital treatment is likely to be needed. If vomiting occurs, lean patient forward or place
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on left side (head-down position, if possible) to maintain an open airway and prevent aspiration. Never give anything by mouth to an unconscious person.

Eye	IF IN EYES: Immediately flush eyes with running water for several minutes, holding eyelids open and occasionally lifting the upper and lower lids. Remove contact lenses if present and easy to do. Continue rinsing for at least 15 minutes. If eye irritation persists, get medical advice/attention.
Skin	IF ON SKIN (or hair): Remove and isolate contaminated clothing. Immediately flush skin and hair with running water for at least 15 minutes; Wash skin with soap and water. If skin irritation or rash occurs, get medical advice/attention. Wash contaminated clothing and shoes before reuse. *In case of burns, immediately cool affected skin for as long as possible with cold water. Do not remove clothing if adhering to skin
Inhaled	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If respiratory symptoms persist, get medical advice/attention. Give artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult.

Medical Conditions Aggravated by Exposure

May cause an allergic skin reaction

Section 5 - Fire Fighting Measures

Fire and Explosion Hazards: This product is classified as flammable. There is a moderate risk of an explosion from this product if commercial quantities are involved in a fire. Firefighters should take care and appropriate precautions. Any explosion will likely spread the fire to surrounding materials. Water spray may be used to cool drums involved in a fire, reducing the chances of an explosion. Violent steam generation or eruption may occur upon application of direct water stream on hot liquids. Vapours from this product are heavier than air and may accumulate in sumps, pits and other low-lying spaces, forming potentially explosive mixtures. They may also flash back considerable distances.

Fire decomposition products from this product may be toxic if inhaled. Take appropriate protective measures.

Extinguishing Media: Try to contain spills, minimise spillage entering drains or water courses.

Fire Fighting: If a significant quantity of this product is involved in a fire, call the fire brigade. There is a danger of a violent reaction or explosion if significant quantities of this product are involved in a fire. Recommended personal protective equipment is full fire kit and breathing apparatus.

Personal Protective Equipment



Wear self-contained breathing apparatus (SCBA) and chemical-protective clothing. SCBA and structural firefighting uniform provide VERY limited protection.

Flash Point <-20 °C [IP 170]

Lower Explosion Limit 1.0 %

Upper Explosion Limit 7.5 %

Auto Ignition Temperature 350 °C

Hazchem Code 3YE

Section 6 - Accidental Release Measures

General Response

Procedure Ensure adequate ventilation - Ventilate enclosed spaces before entering. ELIMINATE all ignition sources - All equipment used when handling the product must be earthed. Do not touch or walk through spilled material - Slippery when spilt. Avoid accidents, clean up immediately. Do not breathe vapours and avoid contact with eyes, skin and clothing.

Clean Up Procedures Large spill: Transfer by mechanical means, such as vacuum truck, to a salvage tank for product recovery or safe disposal. Absorb residues with earth, sand or other non-

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combustible material. Use clean, non-sparking tools to collect absorbed material and place it in labelled, sealable containers for later disposal (see SECTION 13).

Containment Stop leak if safe to do so – Prevent entry into waterways, drains or confined areas. Vapour-suppressing foam may be used to control vapours - Water spray may be used to knock down or divert vapour clouds.

Decontamination Ventilate contaminated area thoroughly. Do not flush away residues with water - Retain as contaminated waste. Allow residues to evaporate or soak up with an appropriate absorbent material and dispose of safely. Remove contaminated soil and dispose of safely.

Environmental Precautionary

Measures Spillages and decontamination runoff should be prevented from entering drains and watercourses. Local authorities should be advised if significant spillages cannot be contained or if any exposure to the general public or the environment occurs or is likely to occur.

Evacuation Criteria Spill or leak area should be isolated immediately. Keep upwind and to higher ground. Keep unauthorised personnel away. Large spill: Immediately contact Police or Fire Brigade; Consider initial downwind evacuation of areas within at least 300 m.

Personal Precautionary

Measures SCBA and gas-tight suits should be worn when dealing with damaged or leaking containers and where there is no risk of ignition. SCBA and structural firefighting uniform provide VERY limited protection where there is a risk of ignition.

Section 7 - Handling and Storage

Handling: Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling in order to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

Storage: This product is a Scheduled Poison. Observe all relevant regulations regarding sale, transport and storage of this schedule of poison. Store in a cool, well ventilated area, and make sure that surrounding electrical devices and switches are suitable. Check containers periodically for leaks.

Containers should be kept closed in order to minimise contamination and possible evaporation. Make sure that the product does not come into contact with substances listed under "Incompatibilities" in Section 10. If you keep more than 10000kg or L of Dangerous Goods of Packaging Group III, you may be required to license the premises or notify your Dangerous Goods authority. If you have any doubts, we suggest you contact your Dangerous Goods authority in order to clarify your obligations. Check packaging - there may be further storage instructions on the label.

Section 8 - Exposure Controls and Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment:

Respiratory equipment: **AS/NZS 1715**, Protective Gloves: **AS 2161**, Occupational Protective Clothing: AS/NZS 4501 set 2008, Industrial Eye Protection: **AS1336** and **AS/NZS 1337**, Occupational Protective Footwear: **AS/NZS2210**.

SWA Exposure Limits **TWA (mg/m³)** **STEL (mg/m³)**

Exposure limits have not been established by SWA for this product.



No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

Ventilation: No special ventilation requirements are normally necessary for this product. However make sure that the work environment remains clean and that vapours and mists are minimised.

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Eye Protection: Eye protection such as protective glasses or goggles should be worn when there is a chance of irritant levels of vapours being generated. However, it would be better to remove the vapours or avoid their generation.

Skin Protection: You should avoid contact even with mild skin irritants. Therefore you should wear suitable impervious elbow-length gloves and facial protection when handling this product. See below for suitable material types.

Protective Material Types: We suggest that protective clothing be made from the following materials: rubber, PVC.

Respirator: Usually, no respirator is necessary when using this product. However, if you have any doubts consult the Australian Standard mentioned above.

Section 9 - Physical and Chemical Properties:

Physical Description & colour:	Clear, mobile, colourless liquid.
Odour:	Paraffinic sweet odour.
Boiling Point:	Begins about 176°C at 100kPa
Freezing/Melting Point:	No specific data. Liquid at normal temperatures.
Volatiles:	No specific data. Expected to be low at 100°C.
Vapour Pressure:	15 kPa (@20C).
Vapour Density:	3:1 (AIR=1)
Specific Gravity:	0.885-0.926
Water Solubility:	Insoluble.
pH:	No data.
Volatility:	No data.
Flash Point	<20C [Closed cup]
Odour Threshold:	No data.
Evaporation Rate:	No data.
Coeff Oil/water Distribution:	No data
Autoignition temp:	350C

Section 10 - Stability and Reactivity

Reactivity: This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf life properties.

See Section 6 of this SDS regarding reactivity with porous materials and rags.

Conditions to Avoid: This product should be kept in a cool place, preferably below 30°C. Keep away from sources of sparks or ignition.

Incompatibilities: oxidising agents, porous materials such as zeolites and similar mineral products, rags.

Fire Decomposition: Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Water. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

Polymerisation: Polymerisation reactions are unlikely; they are not expected to occur.

Section 11 - Toxicological Information

General Information –

Acute toxicity: Low toxicity.

Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract. Potential for chemical pneumonitis. –

Skin corrosion/irritation:

Causes skin irritation; signs and symptoms may include burning sensation, redness, swelling and/or blisters. Repeated exposure may cause skin dryness or cracking. –

Eye damage/irritation: Not irritating to eyes; Vapours may be irritating to the eyes; signs and symptoms may include burning sensation, redness, swelling and/or blurred vision. –

Respiratory/skin sensitisation: Not a sensitiser

Germ cell mutagenicity: Not mutagenic. –

Carcinogenicity: Not a carcinogen. Petroleum solvents are classified by the IARC Monographs as "Not classifiable as to its carcinogenicity to humans" (Group 3). COMPONENT:

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Benzene (CAS No. 71-43-2) is classified by the IARC Monographs as "Carcinogenic to humans" (Group 1). –

Reproductive toxicity: Suspected of damaging fertility. Suspected of damaging the unborn child. Causes foetotoxicity in animals at doses which are maternally toxic; Affects reproductive system in animals at doses which produce other toxic effects. –

STOT (single exposure): Material may be an irritant to mucous membranes and respiratory tract; signs and symptoms may include a temporary burning sensation of the nose and throat, coughing and/or difficulty breathing. May cause drowsiness or dizziness. Breathing of high vapour concentrations may cause central nervous system (CNS) depression resulting in dizziness, light-headedness, headache, nausea and loss of coordination. Continued inhalation may result in unconsciousness and death. –

STOT (repeated exposure): May cause damage to organs through prolonged or repeated exposure (Central nervous system; Peripheral nervous system; Kidney effects). Peripheral nerve damage may be evidenced by impairment of motor function (incoordination, unsteady walk, or muscle weakness in the extremities, and/or loss of sensation in the arms and legs). –

Aspiration toxicity: May be fatal if swallowed and enters airways; signs and symptoms may include coughing, choking, wheezing, difficulty in breathing, chest congestion, shortness of breath and/or fever.

Acute Ingestion Acute toxicity (Oral): - Acute toxicity estimate (based on ingredients): >2,000 mg/kg
Inhalation Acute toxicity (Inhalation): - Acute toxicity estimate (based on ingredients): >20 mg/L
Other Acute toxicity (Dermal): - Acute toxicity estimate (based on ingredients): >2,000 mg/kg

Carcinogen Category: None.

Section 12 - Ecological Information

Toxic to aquatic organisms, may cause long-term adverse effects to the aquatic environment. This product is not readily biodegradable; it may accumulate in the soil or water and cause long term problems.

Ecotoxicity Aquatic toxicity: -

Toxicity to fish (Acute): Expected to be harmful (LL/EL/IL50 >10 <= 100 mg/l). –

Toxicity to crustacean (Acute): Expected to be toxic (LL/EL/IL50 >1 <= 10 mg/l). –

Toxicity to algae/aquatic plants (Acute): Expected to be harmful (LL/EL/IL50 >10 <= 100 mg/l).

Expected to be biodegradable; Oxidises rapidly by photo-chemical reactions in air. - Biodegradation: 98 % (28 d) [OECD TG 301F].

Persistence/Degradability

Mobility Floats on water;	If it enters soil, it will adsorb to soil particles and will not be mobile.
Environmental Fate	Toxic to aquatic life with long lasting effects – Avoid release to the environment.
Bioaccumulation Potential	Has the potential to bioaccumulate (log Pow: ca. 4).
Environmental Impact	No Data Available

Section 13 - Disposal Considerations

General Information Recover or recycle, if possible. If material or container cannot be recycled, dispose of in accordance with local/regional/national regulations.

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Contaminated packaging: Drain container thoroughly. After draining, vent in a safe place away from sparks and fire. Residues may cause an explosion hazard. Do not puncture, cut or weld uncleaned drums. Send to drum recoverer or metal reclaimer.

*Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used (see SECTION 8).

Section 14 - Transport Information

Land Transport (Australia)

This material is classified as Hazardous according to the Australian Dangerous Goods Code

Proper Shipping Name FLAMMABLE LIQUID, N.O.S. (PETROLEUM DISTILLATES, N.O.S)



Class	3 Flammable Liquids
Subsidiary Risk(s)	No Data Available
EPG	14 Liquids - Highly Flammable
UN Number	1268
Hazchem	3YE
Pack Group	II
Special Provision	No Data Available

Sea Transport

This material is classified as Hazardous according to the IMDG Code:

IMDG Code

Proper Shipping Name FLAMMABLE LIQUID, N.O.S. (PETROLEUM DISTILLATES, N.O.S)



Class	3 Flammable Liquids
Subsidiary Risk(s)	No Data Available
UN Number	1268
Hazchem	3YE
Pack Group	II
Special Provision	No Data Available
EMS	F-E, S-E
Marine Pollutant	Yes

Air Transport

This material is classified as Hazardous according to the IATA DGR Code:

Proper Shipping Name FLAMMABLE LIQUID, N.O.S. (PETROLEUM DISTILLATES, N.O.S)

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Class	3 Flammable Liquids
Subsidiary Risk(s)	No Data Available
UN Number	1993
Hazchem	3Ye
Pack Group	II
Special Provision	No Data Available

Class 3 Flammable Liquids shall not be loaded in the same vehicle or packed in the same freight container with Classes 1 (Explosives), 2.1 (Flammable Gases where flammable liquids and flammable gases are both in bulk), 2.3 (Toxic Gases), 4.2 (Spontaneously Combustible Substances), 5.1 (Oxidising Agents), 5.2 (Organic Peroxides), 6 (Toxic Substances, except Flammable Liquid is nitromethane), and 7 (Radioactive Substances). They may however be loaded in the same vehicle or packed in the same freight container with Classes 2.1 (Flammable Gases except where the Flammable Liquids and Flammable Gases are in bulk), 2.2 (Non-Flammable Non-Toxic Gases), 4.1 (Flammable Solids), 4.3 (Dangerous When Wet Substances), 6 (Toxic Substances, except where Flammable Liquid is nitromethane), 8 (Corrosive Substances), 9 (Miscellaneous Dangerous Goods), Foodstuffs or foodstuff empties.

Section 15 - Regulatory Information

General Information HYDROCARBONS, LIQUID
Poisons Schedule (Aust) Schedule 5
Environmental Protection Authority (New Zealand) Hazardous Substances and New Organisms Amendment Act 2015 Approval Code Not Assessed National/Regional Inventories Australia (AIIIC) Listed Canada (DSL) Not Determined Canada (NDSL) Not Determined China (IECSC) Not Determined Europe (EINECS) Not Determined Europe (REACH) Not Determined Japan (ENCS/METI) Not Determined Korea (KECI) Not Determined Malaysia (EHS Register) Not Determined

Section 16 - Other Information

This SDS contains only safety-related information. For other data see product literature.

Acronyms:

ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail, 7th Edition
AICS	Australian Inventory of Chemical Substances
CAS Number	Chemical Abstracts Service Registry Number
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
IARC	International Agency for Research on Cancer
SWA	Safe Work Australia, formerly ASCC and NOHSC
NOS	Not otherwise specified
NTP	National Toxicology Program (USA)
R-Phrase	Risk Phrase
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
UN Number	United Nations Number

THIS SDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.

IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

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This SDS is prepared in accord with the SWA GHS7

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