



COMPLETE CARWASH SUPPLIES

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SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Chemical nature: Hydrocarbon solvent.
Trade Name: **X-55 Solvent**
Product Use: Cleaning Solvent & Degreaser.
Creation Date: **July, 2015**
This version issued: **November, 2021** and is valid for 5 years from this date.
Poisons Information Centre: Phone 13 1126 from anywhere in Australia

SECTION 2 - HAZARDS IDENTIFICATION

Statement of Hazardous Nature

This product is classified as: Xn, Harmful. Xi, Irritating. F+, Highly Flammable.

Hazardous according to the criteria of SWA.

Dangerous according to Australian Dangerous Goods (ADG) Code, IATA and IMDG/IMSBC criteria.

SUSMP Classification: S5

ADG Classification: Class 3: Flammable liquids.

UN Number: 1268



GHS Signal word: DANGER

HAZARD STATEMENT:

- H225: Highly flammable liquid and vapour.
- H304: May be fatal if swallowed and enters airways.
- H315: Causes skin irritation.
- H336: May cause drowsiness or dizziness.
- H261f Suspected of damaging fertility.
- H373: May cause damage to organs through prolonged or repeated exposure.
- H411: Toxic to aquatic life with long lasting effects.

GENERAL

- P101: If medical advice is needed, have product container of label at hand.
- P102: Keep out of reach of children.
- P103: Read label before use.

PREVENTION

- P201: Obtain special instructions before use.
- P202: Do not handle until all safety precautions have been read and understood.
- P210: Keep away from heat, sparks, open flames and hot surfaces. - No smoking.
- P233: Keep container tightly closed.
- P240: Ground/bond container and receiving equipment.
- P241: Use explosion-proof electrical ventilating, lighting and other equipment.
- P242: Use only non-sparking tools.
- P243: Take precautionary measures against static discharge.
- P260: Do not breathe mist/vapours/spray.
- P261: Avoid breathing fumes, mists, vapours or spray.
- P264: Wash contacted areas thoroughly after handling.
- P271: Use only outdoors or in a well ventilated area.
- P273: Avoid release to the environment.
- P280: Wear protective glove/eye protection/face protection.
- P281: Use personal protective equipment as required.

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Issued by: Complete Carwash Supplies

Phone: 1300 722 435

Poisons Information Centre: 13 1126 from anywhere in Australia, (0800 764 766 in New Zealand)

RESPONSE

P301+P310: IF SWALLOWED: Immediately call a POISON CENTRE or doctor.
P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P303+P361+P353: IF ON SKIN (or hair): take off contaminated clothing and wash before reuse. Rinse skin with water/shower.
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P308+P313: IF exposed or concerned: Get medical advice/attention.
P312: Call a POISON CENTRE or doctor if you feel unwell.
P314: Get medical advice/attention if you feel unwell.
P331: Do NOT induce vomiting.
P332+P313: If skin irritation occurs: Get medical advice.
P362: Take off contaminated clothing and wash before reuse.
P370+P378: In case of fire, use carbon dioxide, dry chemical, foam. Normal foam, i.e. protein based foam that is not alcohol resistant, is the preferred medium for large fires.
P391: Collect spillage.

STORAGE

P403+P233: Store in a well-ventilated place. Keep container tightly closed.
P403+P235: Store in a well-ventilated place. Keep cool.
P405: Store locked up.

DISPOSAL

P501: If they can not be recycled, dispose of contents to an approved waste disposal plant and containers to landfill (see Section 13 of this SDS).

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS No	Conc,%
Solvent naphtha (petroleum), light aliphatic	64742-89-8	100
With components:		
n-Hexane	110-54-3	<30
Note – product contains <0.1% benzene		

SECTION 4 - FIRST AID MEASURES

General Information:

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 1126 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call.

Description of necessary first aid measures

Inhalation: Remove victim from exposure if safe to do so. If rapid recovery does not occur, transport to nearest medical facility for additional treatment. Remove contaminated clothing.

Skin Contact: Gently blot away excess liquid. Wash gently and thoroughly with water (use non-abrasive soap if necessary) for 5 minutes or until chemical is removed.

Eye Contact: Quickly and gently blot material from eyes. Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 15 minutes or until the product is removed, while holding the eyelid(s) open. Take care not to rinse contaminated water into the unaffected eye or onto the face. If symptoms persist transport to nearest medical facility for additional treatment. Take special care if exposed person is wearing contact lenses.

Ingestion: If swallowed, do NOT induce vomiting. Wash mouth with water and contact a Poisons Information Centre, or call a doctor.

Symptoms caused by exposure

Inhalation: Breathing of high vapour concentrations may cause central nervous system depression resulting in headaches, dizziness and nausea, continued inhalation may result in unconsciousness and/or death.

Skin Contact: May include burning sensation and/or a dried/cracked appearance.

Eye Contact: May include burning sensation, redness, swelling and/or blurred vision.

Ingestion: May include coughing, choking, wheezing, difficulty in breathing, chest congestion, shortness of breath and/or fever.

Medical attention and special treatment: Treat symptomatically.

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SECTION 5 - FIRE FIGHTING MEASURES

Specific Hazards Arising From Chemical: Carbon monoxide may be evolved if incomplete combustion occurs. Will float and can be reignited on surface water. Vapour is heavier than air, can spread along ground and distant ignition is possible.

Suitable Extinguishing Equipment: Foam, water spray or fog, dry chemical powder or carbon dioxide. Do not use water in a jet.

Special Protective Equipment and Precautions for Fire Fighters: Wear full protective clothing and self-contained breathing apparatus. Hazchem code 3YE

Flash point: -30 (Abel)

Upper Flammability Limit: 7.5%

Lower Flammability Limit: 1%

Autoignition temperature: 280°C (ASTM E-659)

Flammability Class: Flammable Category 2 (GHS); Highly Flammable (AS1940).

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Avoid contact with spilled or released material. Shut off leaks, if possible without personal risks. Isolate hazard area and deny entry to unnecessary or unprotected personnel. Remove all sources of ignition in the surrounding area. Take precautionary measures against static discharge. Ensure electrical continuity by bonding and earthing all equipment.

Environmental precautions:

Use appropriate containment to avoid environmental contamination. Prevent from spreading and entering waterway using sand, earth or other appropriate barriers. Attempt to disperse the vapours or to direct its flow to a safe location for example by using fog sprays. Ventilate contaminated area thoroughly.

Methods and materials for containment and cleaning up:

For small spills (< 1 drum), transfer by mechanical means to a labelled, sealable container for product recovery or safe disposal. Allow any residues to evaporate or use an appropriate absorbent material and dispose of safely. For larger spills (> 1 drum), transfer by means such as vacuum truck to a salvage tank for recovery or disposal. Do not flush residues with water. Retain as contaminated waste. Allow any residues to evaporate or use an appropriate absorbent material and dispose of safely.

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling:

Highly flammable product. Avoid breathing vapours. Handle and open containers with care in a well-ventilated area. Ensure that the workplace is ventilated such that the Occupational Exposure limit is not exceeded. Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Do not eat, drink or smoke in contaminated areas. Electrostatic charges may be generated during transfer. Electrostatic discharge may cause fire. Ensure electrical continuity by earthing all equipment.

Conditions for safe storage, including any incompatibilities:

Store in well-ventilated area, away from sunlight, ignition sources and other sources of heat. Do not store near strong oxidants.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure control measures:

From National Occupational Health & Safety Commission (NOHSC) Worksafe Australia –

n-Hexane: 72mg/m³ (20ppm)TWA (8hr)

Refine mineral oil mist: 5mg/m³ TWA

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Biological monitoring:

No biological limit allocated.

Engineering controls:

Ensure that adequate ventilation is provided. Maintain air concentrations below recommended exposure standards. Avoid generating and inhaling mists and vapours. Keep containers closed when not in use.

Individual protection measures:

Eye and Face Protection: Wear protective glasses or goggles should be worn when this product is being used.

Skin Protection: You should avoid contact even with mild skin irritants. Therefore you should wear suitable solvent resistant gloves, nitrile for longer term protection or PVC and neoprene for incidental splashes.

Respirator: If work practices do not maintain airborne level below the exposure standard, use appropriate respiratory protection equipment. When using respirator, select an appropriate combination or mask and filter. Select a filter for organic gases and vapours (boiling point > 65°C). Respirators should comply with AS1716 or an equivalent approved by a state/territory authority.

Thermal Hazards: Not applicable.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES:

Physical Description & colour:	Colourless liquid.
Odour:	Paraffinic sweet.
Odour Threshold (ppm):	No data.
pH:	No data.
Boiling Point/Freezing Point (°C):	No data.
Initial Boiling Point and Boiling Range (°C):	50 - 135
Flash Point (°C):	-30 (Abel)
Evaporation Rate):	No data.
Flammability:	Highly flammable
Upper/Lower Flammability or Explosive Limits (%):	1 – 7.5.
Vapour Pressure (kPa):	Typically 34.5.
Vapour Density (air = 1):	>1
Density (g/ml @ 15°C):	0.67 – 0.755
Solubility (kg/m³):	Not miscible with water.
Volatility:	No data.
Coeff Oil/water distribution:	No data
Autoignition temp (°C):	280 (ASTM E-659)
Decomposition temp (°C):	No data.
Kinematic Viscosity (mm² /s):	No data

SECTION 10 - STABILITY AND REACTIVITY

Reactivity: Stable under normal storage conditions of use.

Chemical Stability: Stable under normal storage conditions of use.

Possibility of Hazardous Reactions: Reacts with incompatible materials

Conditions to Avoid: Avoid heat, sparks, open flames and other sources of ignition.

Incompatibilities: Strong oxidising agents.

Hazardous Decomposition Products: Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including carbon monoxide, carbon dioxide and other organic compounds.

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SECTION 11 - TOXICOLOGICAL INFORMATION

Acute Toxicity: Expected to be of low toxicity – LD50 Oral (rat) > 2000mg/kg, LD50 inhalation (rat) >20mg/1/4h, LD50 Dermal (rat) > 2000mg/kg.

Skin Corrosion/Irritation: Irritating to skin. Prolonged contact may cause defatting of skin which can lead to dermatitis.

Serious Eye Damage/Irritation: May cause irritation to eyes.

Respiratory or Skin Sensitisation: Not expected to be a sensitiser.

Germ Cell Mutagenicity: Not expected to be a mutagenic.

Carcinogenicity: Not expected to be carcinogenic

Reproductive Toxicity: n-Hexane – Causes foetal toxicity in animals at doses which are maternally toxic. Affects reproductive system in animals at doses which produces other toxic effects.

Specific Target Organ Toxicity(STOT) – Single Exposure: May cause drowsiness or dizziness.

Specific Target Organ Toxicity(STOT) – Repeated Exposure: May cause damage to organs through prolonged or repeated exposure.

Aspiration Hazard: Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity

Acute Toxicity:

Fish:	Expected to be toxic: $1 < LC/EC/IC50 \leq 10\text{mg/l}$
Aquatic invertebrate:	Expected to be toxic: $1 < LC/EC/IC50 \leq 10\text{mg/l}$
Algae:	Expected to be toxic: $1 < LC/EC/IC50 \leq 10\text{mg/l}$
Microorganisms:	Expected to be toxic: $1 < LC/EC/IC50 \leq 10\text{mg/l}$

Chronic Toxicity:

Fish:	No data available
Aquatic invertebrate:	No data available
Algae:	No data available
Microorganisms:	No data available

Persistence and degradability: Expected to be inherently biodegradable. Oxidises by photo-chemical reactions in air

Bioaccumulative potential: Has the potential to bioaccumulate

Mobility in soil: Floats on water. Absorbs to soil and has low mobility.

Other adverse effects: Data not available

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal: Ensure waste disposal conforms to local waste disposal regulations.

SECTION 14 - TRANSPORT INFORMATION

Dangerous according to Australian Dangerous Goods (ADG) Code, IATA and IMDG/IMSBC criteria.

UN Number: 1268, HEPTANES

Proper shipping name: Petroleum Distillates, N.O.S. (Solvent Naphtha)

Hazchem Code: 3YE

Dangerous Goods Class: Class 3: Flammable liquids.

Packaging Group: II

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

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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, where Flammable Liquid is nitromethane), 8 (Corrosive Substances), 9 (Miscellaneous Dangerous Goods), Foodstuffs or foodstuff empties.

SECTION 15 - REGULATORY INFORMATION

Standard for Uniform Scheduling of Medicines and Poisons (SUSMP) Poisons Schedule: 5

Australian Inventory of Chemical Substances (AICS): Listed.

Dangerous Goods Initial Emergency Response Guide (SAA/SNZ HB76): 14

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 (7 th edition)
AICS	Australian Inventory of Chemical Substances
SWA	Safe Work Australia, formerly ASCC and NOHSC
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
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.

This SDS is prepared for Complete Carwash Supplies in accord with the SWA document "Preparation of Safety Data Sheets for Hazardous Chemicals - Code of Practice" (December 2011)

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