A NEW FORCE IN CHEMICAL MANUFACTURING

Unit 2, 14-16 Lee Holm Road
St Marys NSW 2760
Australia

Ph: 1300 738 250 (Australia)
Ph: +61 2 9833 9766 (International)
Fax: 02 9623 3670

sales@chemtools.com.au
www.chemtools.com.au

SAFETY DATA SHEET

ISSUED SEPTEMBER 2014 (VALID 5 YEARS FROM DATE OF ISSUE)

ASC PREP-SOLV METAL CLEANER/DEGREASER AEROSOL

SECTION 1 - IDENTIFICATION OF THE MATERIAL

Chemtools Pty Ltd
Unit 2/14-16 Lee Holm Road
St Marys NSW 2760

Phone: 1300 738 250 (business hours)
Fax: 02 9623 3670
www.chemtools.com.au

PRODUCT NAME	Prep-Solv Metal Cleaner & Degreaser Aerosol
PRODUCT TYPE	Solvent for Industrial Use
PART NUMBER	CT-ASC-240
AVAILABLE SIZES	240g

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS	CAS #	%	HSIS TWA	HSIS STEL
Solvent Naphtha	64742-89-8	0 – 100		
n-Hexane	110-54-3	10 - 30	20ppm 72mg/m^3	
Carbon dioxide	124-38-9	<10	5,000ppm 9,000mg/m^3	30,000ppm 54,000mg/m^3

SECTION 3 - HAZARDS IDENTIFICATION

Hazard Classification: Hazardous Substance according to the criteria of SafeWork Australia. Dangerous Goods according to the ADG Code.

Risk Phrases:
R11 – Highly flammable
R22 – Harmful if swallowed
R36/38 – Irritating to eyes and skin.
R48/20 – Harmful, danger of serious damage to health by prolonged exposure through inhalation
R51/53 – Toxic to aquatic organisms, may cause ling-term adverse effects in the aquatic environment
R62 – Possible risk of impaired fertility
R63 – Possible risk or harm to the unborn child
R65 – Harmful, may cause lung damage if swallowed
R67 – Vapours may cause drowsiness and dizziness.

Safety Phrases:
S9 – Keep container in a well-ventilated place.
S16 – Keep away from sources of ignition

S20 – When using do not eat or drink
S21 – When using do not smoke
S23 – Do not breathe vapour
S51 – Use only in well ventilated areas.
S61 – Avoid release to the environment. Refer to special instructions/Safety Data Sheets
S62 – If swallowed, do not induce vomiting, seek medical advice immediately and show this container or label
S24/25 – Avoid contact with skin and eyes.

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects

Inhalation: May cause respiratory tract irritation. High concentrations of vapours may cause headache, fatigue, drowsiness and dizziness.

Skin contact: May cause allergic skin reaction. May cause skin irritation. Product has a defatting effect on skin. Prolonged contact may cause dryness of skin.

Eye contact: Contact with eyes will cause irritation.

Ingestion: Harmful. May cause lung damage if swallowed.

SECTION 4 - FIRST AID MEASURES

Inhalation: Remove to fresh air. If symptoms develop and persist, get medical attention.

Skin contact: Wash with soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse.
Get medical attention if symptoms occur.

Eye contact: Check for and remove any contact lenses. Immediately flush with copious amounts of water, preferably, lukewarm water for at least 15 minutes, holding eyelids open all the time. Get medical attention.

Ingestion: Do not induce vomiting. Rinse mouth thoroughly. Loosen any tight clothing. Keep individual calm. Obtain medical attention.

SECTION 5 - FIRE FIGHTING MEASURES

Flash point: -20ºC (IP 170)

Autoignition temperature: >350ºC (ASTM E6590)

Flammable/Explosive limits-lower %: 1%

Flammable/Explosive limits-upper %: 7.5%

Extinguishing media: Foam, dry chemical or carbon dioxide.

Special fire fighting procedures: None

Unusual fire or explosion hazards: None

Hazardous combustion products: Oxides of carbon. Irritating organic vapours. Keep run-off water out of sewers and water sources.

Hazchem Code: 3[Y]E

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Environmental precautions:

Extinguish all ignition sources. Ventilate well. Use approved respirator if air contamination is above accepted level. Prevent product from entering drains or open waters. Avoid contact with spilled or released material. Immediately remove all contaminated clothing. Shut off leaks, if possible without personal risks. Remove all possible sources of ignition in the surrounding area.
Use appropriate containment (of product and firefighting water) to avoid environmental contamination. Prevent from spreading or entering drains, ditches or rivers by using sand, earth, or other appropriate barriers. Attempt to disperse the vapour or to direct its flow to a safe location for example by using fog sprays.
Take precautionary measures against static discharge. Ensure electrical continuity by bonding and grounding (earthing) all equipment.

Clean-up methods: For small liquid spills (< 1 drum), transfer by mechanical means to a labelled, sealable container for product recovery or safe disposal. Allow residues to evaporate or soak up with an appropriate absorbent material and dispose of safely. Remove contaminated soil and dispose of safely. For large liquid spills (> 1 drum), transfer by mechanical means such as vacuum truck to a salvage tank for recovery or safe disposal. 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.
Additional Advice: Notify authorities if exposure to the general public or the environment occurs or is likely to occur. Vapour may form an explosive mixture with air.

SECTION 7 - HANDLING AND STORAGE

Handling:	Avoid contact with eyes, skin and clothing. Avoid breathing vapour and mist. Wash thoroughly after handling.
Storage:	For safe storage, store at or below 38°C (100°F). Keep in a cool, well-ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.
Incompatible products:	Refer to Section 10.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls:	No specific ventilation requirements noted, but forced ventilation may still be required if concentrations exceed occupational exposure limits.
Respiratory protection:	Check with respiratory protective equipment suppliers. Where air-filtering respirators are suitable, select an appropriate combination of mask and filter. Select a filter suitable for organic gases and vapours [boiling point <65°C (149°F)] meeting EN371.
Skin protection:	Where hand contact with the product may occur the use of gloves approved to relevant standards (e.g. Europe: EN374, US: F739, AS/NZS:2161) made from the following materials may provide suitable chemical protection: Longer term protection: Nitrile rubber gloves Incidental contact/Splash protection: PVC or neoprene rubber gloves Personal hygiene is a key element of effective hand care. Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly. Application of a non-perfumed moisturizer is recommended.
Eye/face protection:	Safety goggles or safety glasses with side shields.

See Section 2 for exposure limits.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid in aerosol canister
Colour:	Clear, colourless.
Odour:	Paraffinic
pH:	Not available
Boiling point/range:	66-115ºC.
Melting point/range:	Not available
Specific gravity:	0.685 - 720 at 15ºC.
Vapour density:	>1
Evaporation rate:	Not available
Solubility in water:	Insoluble.

SECTION 10 - STABILITY AND REACTIVITY

Stability:	Stable.
Hazardous polymerization:	Will not occur.
Hazardous decomposition products:	Oxides of carbon.
Incompatibility:	Strong oxidizers. Strong reducing agents.
Conditions to avoid:	See "Handling and Storage" (Section 7) and "Incompatibility" (Section 10).

SECTION 11 - TOXICOLOGICAL INFORMATION

HEALTH EFFECTS

Acute:

Swallowed:	Expected to be of low toxicity: LD_{50}>2000mg/kg, Rat. Aspiration into lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.
Eye:	Expected to be non-irritating to eyes.
Skin:	Irritating to skin. Prolonged contact may cause defatting of skin which can lead to dermatitis.
Inhaled:	Not expected to be a respiratory irritant. High concentrations may cause central nervous system depression resulting in headaches, dizziness and nausea; continued inhalation may result in unconsciousness and/or death.
Chronic:	Central nervous system: repeated exposure affects the nervous system. Causes foetal toxicity in animals at doses which are maternally toxic. Affects reproductive system in animals at doses which produces other toxic effects (n-Hexane).

SECTION 12 - ECOLOGICAL INFORMATION

Ecological information:	Dangerous to the environment if discharged into watercourses.
Acute Toxicity	
Fish:	Expected to be harmful: $LL/EL/IL_{50}$ 10-100 mg/l
Aquatic Invertebrates:	Expected to be toxic: 1 < $LC/EC/IC_{50}$ <= 10 mg/l
Algae:	Expected to be toxic: 1 < $LC/EC/IC_{50}$ <= 10 mg/l
Micro-organisms:	Expected to be toxic: 1 < $LC/EC/IC_{50}$ <= 10 mg/l
Mobility:	Adsorbs to soil and has low mobility. Floats on water.
Persistence/degradability:	Expected to be inherently biodegradable. Oxidises rapidly by photo-chemical reactions in air.
Bioaccumulation:	Contains components with the potential to bioaccumulate.

SECTION 13 - DISPOSAL CONSIDERATIONS

Recommended Method of Disposal: Dispose of according to Federal, State and Local governmental regulations.

SECTION 14 - TRANSPORT INFORMATION

Domestic (Land) ADG:

Proper shipping name: AEROSOLS
UN No.: 1950
Hazard class or division: 2[Y]E
Packing group: None allocated

IMDG:

Proper shipping name: AEROSOLS
Identification No.: UN1950
Hazard class or division: 2.1
Packing group: None allocated
Marine Pollutant: No

International Air Transportation (ICAO/IATA):

Proper shipping name: AEROSOLS
Hazard class or division: 2.1
Identification number: 1950
Packing group: None allocated

SECTION 15 - REGULATORY INFORMATION

Poisons Schedule (SUSDP): 5
ADG Code: Class 3 Dangerous Goods – Flammable Liquid
NOHSC: Hazardous.

SECTION 16 – OTHER INFORMATION

Abbreviations/Acronyms:

ACGIH – American Conference of Government Industrial Hygienists.
ADG – Australian Dangerous Goods.
HSIS - Hazardous Substances Information System.
IARC – International Agency for Research on Cancer.
NIOSH – National Institute of Occupational Health and Safety.
NOHSC – National Occupational Health and Safety Commission.
PEL – Permissible Exposure Limit.
STEL – Short Term Exposure Limit.
SUSDP – Standard for the Uniform Scheduling of Drugs and Poisons.
TLV – Threshold Limit Value.
TWA – Time Weighted Average.

DISCLAIMER

The information contained within this MSDS applies only to the Chemtools product to which the sheet relates.

The information provided is based on our best knowledge at the time of issue.

The information contained within this MSDS is believed to be accurate and is given in good faith. However, no warranty is made, either expressed or implied, regarding its accuracy or any liability arising out of the use of the information herein or the product supplied.

When used in other preparations, formulations, or in mixtures, it is necessary to ascertain whether the classifications of the hazards have changed. The attention of the user is drawn to the possibility of creating other hazards when the product is used for purposes other than that for which it was recommended. In such cases, a reassessment may be necessary and should be made by the user.

This safety data sheet should only be used and reproduced in order that the necessary measures are taken relating to the protection of health and safety at work.

It is the responsibility of the handlers to pass on the totality of the information contained within this document to any subsequent person(s) who will come in to contact with, handle or use this product in any way.

They should check the adequacy of the information provided within this MSDS before passing it on to their customers/staff.