

MATERIAL SAFETY DATA SHEET

STANDOX. A member of Du Pont Performance Coatings.

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Classified as hazardous according to criteria of NOHSC

- Harmful	- Corrosive		
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed	S23	Do not breathe vapour
R34	Causes burns	S24/25	Avoid contact with skin and eyes
R40	Possible risks of irreversible effects	S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
R41	Risk of serious damage to eyes	S36/37/39	Wear suitable protective clothing, gloves and eye/face protection

Contains: Methylene Chloride 60 – 90%

IDENTIFICATION

Product Name : **AUTO STRIP**
Product Code : **9399007**
Other Names : --
UN Number : 2927
Correct Shipping Name : TOXIC LIQUID, CORROSIVE, ORGANIC
(CONTAINS Methylene Chloride)
Dangerous Goods Class : 6.1
Subsidiary Risk : 8
Hazchem : 2[X]E
Packing Group : II
Poisons Schedule (AU) : S6
Poisons Schedule (NZ) : S3
Pack Size /Container Type : 1 Lt

Use

Recommended Uses : Industrial Paint Stripper
Method of Application : The product will be brushed or wiped on painted metal.

Physical Description/Properties

Specific Gravity (kg/l)	: 1.17 to 1.19	Boiling range (°C)	: 40 (initial)
Flash Point (closed cup)	: Not Applicable	Vapour Pressure (kPa)*	: 50kPa(approx.)
Flammability Limits (%volume)	LEL: -- UEL: --	Vapour Density (air =1)	: >1
Auto-ignition Temperature	: Not applicable	% Volatiles	: >90
Solubility in water	: Miscible		
Appearance/ Odour	: Opaque white to brown viscous liquid with a slightly offensive phenolic odour.		

Other Properties

Shock Sensitivity	: Not sensitive	Corrosiveness	: Corrosive to skin
Oxidising Properties	: Not an oxidant	Odour Threshold (ppm):	not available

Reactivity : No known reactivity under normal conditions of use.
Could react with strong oxidising and reducing agent

Ingredients

The hazardous components of the product are:

<u>CHEMICAL ENTITY</u>	<u>CAS NUMBER</u>	<u>PROPORTION</u> Weight /Volume	<u>TLV+</u> TWA	<u>TLV+</u> STEL
Methylene chloride	75-09-2	60- <90%	50 ppm	Carcinogenic Category 3
Phenol	108-95-2	1- <10%	1 ppm	--
Methanol	67-56-1	1- <10%	200 ppm	250 ppm
Ammonia	1336-21-6	1- <10%	25 ppm	35 ppm

The product may contain impurities that are not classified as hazardous by NOHSC or the Standard for the Uniform Scheduling of Drugs and Poisons in Australia. They are not classified as hazardous either because:

- (1) the substance is not on the hazardous chemical lists published by the above authorities, or
- (2) the toxicity data for the entity does not categorise it as hazardous.
- (3) the quantity present in the product is lower than the minimum value that requires the impurities to be reported.

- + TLV or Threshold Limit Value is the maximum exposure level of the chemical entity for which any individual may be subjected and is generally expressed as either the Time Weighted Average (TWA) for an 8 hour/day, 5days/week exposure period or as the Short Term Exposure Limit (STEL) for a 15 minute exposure period with at least 60 minutes interval between two Short term exposures.

The exposure limits stated above are recommended by the National Occupational Health and Safety Commission (NOHSC) and these limits should not be exceeded. When there are no exposure limits published by NOHSC the declared values are recommended values declared by the supplier and this is clearly stated above.

A Sk notification next to the TLV of the component suggests that the component can be absorbed through the skin.

All chemical entities present in this formulation conform to the NICNAS legislation in Australia.

HEALTH HAZARD INFORMATION

Health Effects

Acute

Swallowed : The product is corrosive and toxic if swallowed. The liquid will cause extreme discomfort, pain, burns to mouth, throat and digestive system, if swallowed.

Ingestion will also result in nausea, irritation, pain and vomiting.

Eye: The product is extremely discomforting and corrosive to the eyes. Exposure to eye can result in damage to the cornea and the damage can be non-reversible, especially if the product is left in the eye for some time. Limit vapour concentrations to that, below the TLV declared for ingredients on this page,

Skin: The product is highly irritating and corrosive to the skin. It may also cause burns or blisters if exposure is prolonged. Ingredients of this product may be absorbed by the skin, resulting in toxic effects.

Inhaled: Inhalation of concentrations above that of the stated TLVs 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. In severe acute exposure there is a danger of respiratory failure and cardiac arrest resulting in death

Methylene Chloride causes intoxication in two stages. Sign of reversible narcosis are evident in the first stage and in the second stage injury of organs may become evident.

Inhalation of vapour may aggravate pre-existing respiratory condition such as asthma, bronchitis and emphysema.

Chronic

Repeated or prolonged contact may cause skin irritation and de-fatting and result in dermatitis and eczema. Drying and blistering of the skin is highly likely with prolonged use if either the exposure limit is exceeded or protective and safety measures are not observed.

If inhaled at high concentrations frequently product may cause irritation to the mucous region of the respiratory tract and digestive system, upper pulmonary oedema, nausea, vomiting and abdominal pain.

Blood and liver disorders could also result in some individuals, if the individual is exposed to high vapour

concentrations frequently.

Methylene Chloride is stored in body fat and is metabolised to carbon monoxide, which increases and sustains carboxyhaemoglobin levels in the blood, reducing oxygen carrying capacity.

Methylene Chloride is a Category 3 Carcinogen, which means it is a suspected Carcinogen with moderate evidence in animal studies. Phenol can be absorbed through the skin.

The product may aggravate respiratory conditions like asthma and bronchitis on regular and prolonged exposure in susceptible individuals.

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. Contact a doctor or Poisons Information Centre (ph 13 1126 within Australia). If vomiting, place patient's face downwards and below hip level in order to prevent vomit from entering lungs.

Eye: Remove contact lens and hold eyelids open. Flush patient's eyes with plenty of water for at least 15 minutes and contact a doctor.

Skin: Remove contaminated clothing, wipe product from skin using dry cotton cloth and flush skin thoroughly with plenty of soap and water. Launder contaminated clothing before reusing.

Inhalation: Remove patient to fresh air. Keep patient warm and comfortable. Apply artificial respiration if necessary and contact a doctor or Poisons Information Centre (ph 13 1126 within Australia).

ADVICE TO DOCTOR

Treat symptomatically.

Do not administer sympathomimetic drugs as these may cause ventricular arrhythmias.

PRECAUTIONS FOR USE

Exposure Standards: No National Exposure Standard has been allocated for this product.

The exposure standards are usually expressed in terms of the TWA for the chemical. TWA is the 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 NOHSC.

The TWA and STEL 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.

STEL means a 15-minute TWA 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 have been declared on page 2 of this data sheet.

Methylene Chloride is a Category 3 Carcinogen, which means it is a suspected Carcinogen with moderate evidence in animal studies. Phenol causes burns and can be absorbed through the skin. Avoid all contact inhalation, skin contact or any ingestion by using Proper Protective Equipment.

Engineering Controls

Product should be used only in well-ventilated areas equipped with adequate mechanical exhaust systems. Although product is not flammable, keep it away from all ignition sources. 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 Standard AS/NZS 4114.

Keep all containers and all vessels closed with a lid, when the product is not being used.

Personal Protection

AS refers to Australian Standard -AS/NZS refers to Australian/New Zealand Standard

Respiratory protection:

Respiratory equipment must be worn if exposure limits are being exceeded.

Avoid inhalation of the product by wearing organic vapour type respirators conforming to AS1715/1716.

If the vapour concentration exceeds Threshold Limit Values especially in enclosed areas wear an air supplied respirator / mask. Use self contained breathing apparatus if concentrations exceed the TLV values declared on page 2 of this data sheet.

Skin protection:

Avoid contact with the product by wearing impervious clothing conforming to AS2919.

Protective PVC suits may be required if there is extensive use of product and there is a danger of accidental product spills on the skin.

Ensure there is a ready access to safety showers.

Eye/Face protection:

Avoid contact with the product by wearing safety chemical goggles conforming to AS1336/1337.

Hand protection:

Avoid contact with the product by wearing impervious gloves conforming to AS2161.

Wash hands thoroughly with soap and water immediately after using the product.

Flammability

The product is not described as a flammable material.

However as the product contains organic material, 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:

TOXIC LIQUID, ORGANIC N.O.S (CONTAINS Methylene Chloride and Phenol)

UN No: 2810

Store in heavy gauge steel drums. Do not use aluminium or galvanised containers

Keep containers tightly closed in a well-ventilated area away from all sources of ignition and direct sunlight, away from incompatible materials and sunlight.

Do not store with oxidisers, strong acids and strong alkalis. The product attacks rubber, plastics and paints.

Do not store near food containers

Crash repair 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 intermediate 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 class: 3)

Class 6.1 Subrisk 8, PG II, Dangerous Goods, with Hazchem 3[Y]E, and must be stored and transported accordingly.

Do not load on the same vehicle as Class 6, Class 1, Class 3, Class 5.1, Class 5.2 or Class 7, foodstuff and food stuff empties.

Spills and Disposal

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.

Wear full body protective clothing and breathing apparatus, if spill is large or cleanup can take up long periods of time.

Contain and absorb spilt material on earth or sand and shovel into marked drums for disposal.

Mark and label all drums for hazard.

Prevent product from entering drains, sewers and waterways.

In case the spill is not confinable and contamination of soil and waterways occurs or there is danger to humans and animals, contact emergency services immediately

Contact the State Waste Disposal Authorities, inform them of the nature of the material and make arrangements for disposal according to local, state and federal regulations.

Fire/Explosion Hazard

Non-flammable liquid. However vapour will burn when in contact with high temperature flame. Ignition ceases on removal of flame. May form a flammable/explosive mixture in an oxygen-enriched atmosphere.

Decomposes on heating and produces oxides of carbon, corrosive fumes of hydrochloric acid and may produce small amounts of phosgene.

Fire Fighting Instructions

Fight fires with water fog, alcohol resistant foam, CO₂ or dry powder. Fire fighters should wear breathing apparatus and full protective gear.

Prevent water / chemicals used to fight fire from entering drains or watercourses.

CONTACT POINT

Technical Service Manager or Supervisor
Working Hours call (02) 9627 4422

This Material Safety Data Sheet has been prepared according to guidelines recommended by the National Occupational Health and Safety Commission in the National Code of Practice for the Preparation of Material Safety Data Sheets [Document NOHSC: 2011 (1994)].

STANDOX Australia informs its users that:

This information is presented in good faith and compiled from various sources believed to be accurate on knowledge and experience, available on the day of publication of this Material Safety Data Sheet.

All data herein is to describe products only in terms of health and safety requirements and should not therefore be construed as guaranteeing any specific physical or qualitative properties. The users' working conditions are beyond our knowledge and control and therefore this data sheet does not serve as any warranty or guarantee for safe use of this product.

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