

Material Safety Data Sheet PAGE 1

Date of issue: April 07 issued by: Advanced Valve Tech Pty Ltd
Product name: **Ironlak (AEROSOL)**

Classified as hazardous according to criteria of NOHSC

COMPANY DETAILS

COMPANY: Advanced Valve Tech Pty Ltd
ADDRESS: Level 1, 172 Evans rd
Salisbury QLD 4107
Australia
EMERGENCY TELEPHONE: 000
BUSINESS TELEPHONE: Advanced Valve Tech Pty Ltd
61-7 3391 8122
BUSINESS HOURS ONLY: 8AM – 5PM (E.S.T.)
FAX: 61-7 3391 8133
EMAIL: ironlak@advancedvalvetech.com.au

OTHER INFORMATION:

Users should verify the currency of this data sheet if more than 5 years old.
The information contained in this material safety data sheet is believed to be accurate on the date of issue and in accordance with the information available to us. Persons dealing with products referred to in this MSDS do so at their own risk. We accept no liability whatsoever for damage or injury however caused arising from use of this information or of suggestions contained herein.

IDENTIFICATION

PRODUCT NAME Ironlak (aerosol)
PROPER SHIPPING NAME Aerosol
OTHER NAMES not available
UN CLASS 1950
DG CLASS 2.1
SUB RISK Nil
HAZCHEM CODE 3WE
POISONS SCHEDULE S5
PRODUCT USE Decorative coating applied by aerosol spray

PHYSICAL DATA

APPEARANCE various coloured liquid in aerosol can
BOILING POINT (Major solvent) 56°C
VAPOUR PRESSURE 51.7Kpa @ 24°C (hydrocarbon propellant)
SPECIFIC GRAVITY 0.95 – 1.00 (for liquid concentrate) water = 1.000
FLASH POINT -10°C (DME propellant)
FLAMMABILITY LIMITS 1.5% to 9.6% in air (v/v) (hydrocarbon propellant)
SOLUBILITY IN WATER not soluble (for liquid concentrate)

OTHER PROPERTIES

AUTOIGNITION TEMPERATURE 494°C to 600°C (hydrocarbon propellant)
PH Not Available
Percent volatiles approximately 70%

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INGREDIENTS

<u>NAME</u>	<u>CAS</u>	<u>PROPORTION</u>
Butyl Glycol	111-76-2	1%-5%
Acetone	67-64-1	4%-7%
Resin	NA	15%-19%
Ethyl Acetate	141-78-6	5%-10%
Butyl Acetate	123-86-4	18%-23%
Toluene	108-88-3	2%-4%
DME	115-10-6	20%-35%

HEALTH HAZARD INFORMATION

HAZARD CATEGORY

Xi Irritant
F Flammable

RISK PHASES

R11 Highly flammable
R36 Irritating to eyes
R37 Irritating to respiratory system
R38 Irritating to skin
R65 Harmful: may cause lung damage if swallowed.

HEALTH EFFECTS

ACUTE

SWALLOWED Moderately toxic when ingested. Ingestion may cause irritation of the gastrointestinal tract.

EYE Direct contact may cause moderate to severe eye irritation. Contact with liquefied gas will cause severe damage.

SKIN Prolonged contact with skin may lead to irritation and in some cases irritant contact dermatitis. Contact with liquefied gas can result in cold contact burns.

INHALED Inhalation of solvent vapour may result in nervous system effects such as dizziness, nausea, headache and sleepiness. Excessive exposure to vapour may cause unconsciousness or even death, due to asphyxiation.

CHRONIC Prolonged or repeated skin contact may lead to irritation contact dermatitis.

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FIRST AID

SWALLOWED	Never give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. Have victim rinse mouth thoroughly with water. DO NOT INDUCE VOMITING. Have victim drink 240 to 300mL (8 to 10 oz.) of water. If vomiting occurs naturally, rinse mouth and repeat administration of water. Obtain medical attention immediately.
EYE	Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 20 minutes, by the clock, holding the eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. Obtain medical attention immediately.
SKIN	Remove contaminated clothing, shoes and leather goods. As quickly as possible, flush contaminated area with lukewarm, gently running water for at least 20 minutes, by the clock. If irritation persists, repeat flushing. Obtain medical attention immediately. Completely decontaminate clothing, shoes and leather goods before re-use, or discard.
INHALED	If symptoms are experienced, remove source of contamination or move victim to fresh air. Keep patient warm and at rest. If breathing is irregular or has stopped administer artificial respiration. Seek medical attention if any effects persist.

ADVICE TO DOCTOR

ADVICE TO DOCTOR Treat symptomatically. Advise doctor of the presence of liquid hydrocarbons.

PRECAUTIONS FOR USE

EXPOSURE LIMITS	Name	mg/m3	STEL ppm	mg/m3	TWA ppm
	acetone				750ppm

ENGINEERING CONTROLS Use in well ventilated areas. Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use with local flameproof exhaust ventilation or while wearing organic vapour respirator. Vapour is heavier than air – prevent concentrations in hollows or sumps. DO NOT enter confined spaces where vapour may have collected. Explosive gas atmospheres may form, for further information refer to AS 2430.

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PERSONAL PROTECTION

RESPIRATOR TYPE	Where ventilation is not adequate, respiratory protection may be required. An approved organic vapour respirator should be used. Respiratory protection should comply with AS/NZS 1715 and AS/NZ 1716
EYE PROTECTION	Safety glasses or chemical goggles. Failure to do so may result in eye damage if an accident occurs. Consult AS 1336 & AS/NZ 1337 for information about eye protection
GLOVE TYPE	Available information suggests gloves made nitriles, viton, neoprene or other similar solvent resistant material. Keep solvent contact to a minimum. For help in selecting suitable gloves consult AS 2161
CLOTHING	Overalls or similar protective clothing. Consult AS 2919 for advice

Always wash hands before smoking, eating, drinking, or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

FLAMMABILITY

FIRE HAZARDS	<ul style="list-style-type: none">-Heat or damage to containers may release flammable gases-Containers will explode when heated – ruptured containers will rocket-Released gases may form explosive mixtures with air in confined spaces.-Released gases may travel to source of ignition and flash back.-Organic chemicals may form flammable dust clouds in air; will burn if involved in fire.-Fire may produce irritating, poisonous and/or corrosive gases.
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SAFE HANDLING INFORMATION

STORAGE INCOMPATIBILITY
Avoid storage with oxidisers

STORAGE REQUIREMENTS

- Store in original containers in approved flameproof area
- DO NOT store in pits, depressions, basements or areas where vapours may be trapped
- No smoking, naked lights, heat or ignition sources.
- keep containers securely sealed. Contents under pressure
- store away from incompatible materials.
- store in a cool, dry, well ventilated area in an upright position out of direct sunlight
- avoid storage at temperatures higher than 40°C
- protect containers against physical damage and check regularly for leaks

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SAFE HANDLING INFORMATION (continued)

TRANSPORTATION S5 scheduled poison
UN 1950
CLASS 2.1
-Flammable gases shall not be loaded in the same vehicle or packed in the same freight container with:
-Class 1 explosives
-Class 3 flammable liquids (where both flammable liquids and gases are in bulk)
-Class 4.1 flammable solids
-Class 4.2 spontaneously combustible substances
-Class 4.3 dangerous when wet substances
-Class 5.1 oxidising agents
-Class 5.2 organic peroxides
-Class 7 radioactive substances

SPILL OR LEAK

Eliminate all ignition sources (no smoking, flares, sparks or flames) within at least 15m. Isolate area until gas has dispersed. All equipment used when handling the product must be earthed. Restrict access to area until completion of clean up. Ensure clean up is conducted by trained personnel only. Wear protective clothing including facemask, face shield and gauntlets. Ventilate the area. Prevent material from entering sewers or confined spaces. Stop or reduce leak if safe to do so. Contain spill with earth, sand or inert absorbent material. Small spills of solution: soak up with absorbent material. Put material in suitable, covered, labelled containers. Flush area with water preventing runoff entering drains. Large spills: contact fire and emergency services for advice.

Disposal: review federal, state and local government requirements prior to disposal.

FIRE/EXPLOSION HAZARDS

HAZARDS

- Vapour is highly flammable
- Severe fire hazard when exposed to heat or flame
- Vapour forms explosive mixture with air
- Vapour may travel considerable distance to source of ignition.
- Heating may cause expansion with violent container rupture.
- Aerosol cans may explode on exposure to naked flames
- Rupturing containers may rocket and scatter burning materials
- Hazards may not be restricted to pressure effects
- Organic chemicals may form flammable dust clouds in air; will burn if involved in fire.
- May emit acrid, poisonous or corrosive fumes.
- On combustion, may emit toxic fumes of carbon monoxide (CO)
- Other combustion products include carbon dioxide (CO₂)

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FIRE/EXPLOSION HAZARDS

EMERGENCY RESPONSE

Small fire

-Use water spray, dry chemical or CO2

Large fire

-Use water spray and fog

-Fight fire from protected position or use unmanned hose holders or monitor nozzles.

-If safe to do so, move undamaged containers from fire area – Do not approach hot

containers

-Cool containers with water before handling

-If impossible to extinguish fire, protect surroundings, withdraw from area and allow fire to burn.

CONTACT POINTS

POLICE AND FIRE BRIGADE:	DIAL	000
FOR EMERGENCY RESPONSE:	DIAL	1800 635 526
NATIONAL POISONS INFORMATION CENTRE:	DIAL	13 11 26

DATE OF PREPARATION: 16 April 2007

END OF REPORT
