

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1 Product identifier

Product name LACQUER ACR/NC 37038 MATT BLACK (PRODUCT OBSOLETE)
Synonym(s) NSN: 8010-66-027-1396 • NSN: XXXX-66-038-3065 • NSN: XXXX-66-038-3066
8810001 - PRODUCT CODE • 881-LINE - MANUFACTURER'S CODE • 881-LINE ACRYLIC NITROCELLULOSE LACQUER (FORMERLY) • NITROCELLULOSE LACQUER • PAINT, NC LACQUER • VALSPAR ACRYLIC NITROCELLULOSE LACQUER

1.2 Uses and uses advised against

Use(s) AIRCRAFT PAINT • LACQUER • TOPCOAT PAINT

1.3 Details of the supplier of the safety data sheet

Supplier name THE VALSPAR (AUSTRALIA) CORPORATION PTY LIMITED
Address 203 Power Street, Glendenning, NSW, Australia, 2761
Telephone (02) 9839 1111
Fax (02) 9839 1199
Email jsteley@valspar.com
Website <http://www.valspar.com>

1.4 Emergency telephone number(s)

Emergency (02) 9839 1111

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

GHS Classification(s) Flammable Liquids: Category 2
Aspiration Hazard: Category 1
Skin Corrosion/Irritation: Category 2
Serious Eye Damage / Eye Irritation: Category 2A
Specific Target Organ Systemic Toxicity (Single Exposure): Category 3
Toxic to Reproduction: Category 2
Specific Target Organ Systemic Toxicity (Repeated Exposure): Category 2

2.2 Label elements

Signal word DANGER

Pictograms



Hazard statement(s)

H225 Highly flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H361 Suspected of damaging fertility or the unborn child.
H373 May cause damage to organs through prolonged or repeated exposure.

Prevention statement(s)

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/hot surfaces. No smoking.
P233 Keep container tightly closed.

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- P240 Ground/bond container and receiving equipment.
- P241 Use explosion-proof electrical/ventilating/lighting equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P260 Do not breathe dust/fume/gas/mist/vapours/spray.
- P264 Wash thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response statement(s)

- P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
- P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P304 + P340 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
- 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.
- P314 Get medical advice/attention if you feel unwell.
- P321 Specific treatment is advised - see first aid instructions.
- P331 Do NOT induce vomiting.
- P332 + P337 + P313 If skin or eye irritation occurs: Get medical advice/ attention.
- P362 Take off contaminated clothing and wash before re-use.
- P370 + P378 In case of fire: Use appropriate media for extinction (applies if water increases risk).

Storage statement(s)

- P403 + P233 Store in a well-ventilated place. Keep container tightly closed (applies if the substance is volatile so as to generate a hazardous atmosphere).
- P403 + P235 Store in a well-ventilated place. Keep cool.
- P405 Store locked up.

Disposal statement(s)

- P501 Dispose of contents/container in accordance with relevant regulations.

2.3 Other Hazards

No information provided.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

3.1 Substances / Mixtures

| Ingredient | CAS number | EC number | Content |
|---------------------------------|---------------|---------------|-----------|
| TOLUENE | 108-88-3 | 203-625-9 | 30-50% |
| 2-METHOXY-1-METHYLETHYL ACETATE | 108-65-6 | 203-603-9 | 10-30% |
| METHYL ETHYL KETONE (MEK) | 78-93-3 | 201-159-0 | 10-30% |
| XYLENE | 1330-20-7 | 215-535-7 | 1-5% |
| ADDITIVE(S) | Not Available | Not Available | remainder |

4. FIRST AID MEASURES

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4.1 Description of first aid measures

Eye If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.

Inhalation If inhaled, remove from contaminated area. To protect rescuer, use a Type A (Organic vapour) respirator or an Air-line respirator (in poorly ventilated areas). Apply artificial respiration if not breathing.

Skin If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by a Poisons Information Centre or a doctor.

Ingestion For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting.

First aid facilities No information provided.

4.2 Most important symptoms and effects, both acute and delayed

No information provided.

4.3 Immediate medical attention and special treatment needed

Treat symptomatically.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Dry agent, carbon dioxide or foam. Prevent contamination of drains and waterways.

5.2 Special hazards arising from the substance or mixture

Highly flammable. May evolve toxic gases (carbon oxides, hydrocarbons) when heated to decomposition. Vapour may form explosive mixtures with air. Eliminate all ignition sources including cigarettes, open flames, spark producing switches/tools, pilot lights, heaters, naked lights, etc when handling. Earth containers when dispensing fluids. May evolve nitrogen oxides when heated to decomposition.

5.3 Advice for firefighters

Evacuate area and contact emergency services. Toxic gases may be evolved in a fire situation. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.

5.4 Hazchem code

- 3YE
- Alcohol resistant foam is the preferred firefighting medium
- 3 Foam
- Y Self Contained Breathing apparatus and protective gloves.
- E Evacuation of people in the vicinity of the incident should be considered.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS. Clear area of all unprotected personnel. Ventilate area where possible. Contact emergency services where appropriate.

6.2 Environmental precautions

Prevent product from entering drains and waterways.

6.3 Methods of cleaning up

Contain spillage, then cover / absorb spill with non-combustible absorbent material (vermiculite, sand, or similar), collect and place in suitable containers for disposal. Eliminate all sources of ignition.

6.4 Reference to other sections

See Sections 8 and 13 for exposure controls and disposal.

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7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well ventilated area, preferably flammables store, removed from direct sunlight, incompatible substances, heat or ignition sources and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Large storage areas should have appropriate ventilation and fire protection systems. Store between 10°C and 30°C.

7.3 Specific end use(s)

No information provided.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1 Control parameters

Exposure standards

| Substance | Reference | TWA | | STEL | |
|------------------------------|-----------|-----|-------------------|------|-------------------|
| | | ppm | mg/m ³ | ppm | mg/m ³ |
| 1-Methoxy-2-propanol acetate | SWA (AUS) | 50 | 274 | 100 | 548 |
| Methyl ethyl ketone (MEK) | SWA (AUS) | 150 | 445 | 300 | 890 |
| Toluene | SWA (AUS) | 50 | 191 | 150 | 574 |
| Xylene | SWA (AUS) | 80 | -- | 150 | -- |

Biological limits

| Ingredient | Reference | Determinant | Sampling time | BEI |
|---------------------------|-----------|-------------------------------|---------------------------------|--------------------|
| METHYL ETHYL KETONE (MEK) | ACGIH BEI | MEK in urine | End of shift | 2 mg/L |
| TOLUENE | ACGIH BEI | o-Cresol in urine | End of shift | 0.02 mg/L |
| | ACGIH BEI | Toluene in urine | End of shift | 0.03 mg/L |
| | ACGIH BEI | Toluene in blood | Prior to last shift of workweek | 0.02 mg/L |
| XYLENE | ACGIH BEI | Methylhippuric acids in urine | End of shift | 1.5 g/g creatinine |

8.2 Exposure controls

Engineering Controls

Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical explosion proof extraction ventilation is recommended. Flammable/explosive vapours may accumulate in poorly ventilated areas. Vapours are heavier than air and may travel some distance to an ignition source and flash back. Maintain vapour levels below the recommended exposure standard.

PPE

- Eye/Face** Wear splash-proof goggles.
- Hand** Wear barrier gloves.
- Body** Wear coveralls.
- Respiratory** Where an inhalation risk exists, wear a Type A (Organic vapour) respirator. If spraying, wear a Type A-Class P1 (Organic gases/vapours and Particulate) respirator. If sanding dry product, wear a Class P1 (Particulate) respirator.



9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance LIQUID
Odour SLIGHT ODOUR

| | |
|----------------------------------|---|
| Product name | LACQUER ACR/NC 37038 MATT BLACK (PRODUCT OBSOLETE) |
| Odour Threshold | NOT AVAILABLE |
| pH | NOT AVAILABLE |
| Melting Point | NOT AVAILABLE |
| Boiling Point | 80°C |
| Flash Point | -4°C |
| Evaporation Rate | 5.7 (Butyl acetate = 1) |
| Flammability | HIGHLY FLAMMABLE |
| Upper Explosion Limit | 16 % |
| Lower Explosion Limit | 1 % |
| Vapour Pressure | 90.22 mm Hg @ 25°C |
| Vapour Density | 4.6 (Air = 1) |
| Solubility (water) | SLIGHTLY SOLUBLE |
| Partition Coefficient | NOT AVAILABLE |
| Autoignition Temperature | NOT AVAILABLE |
| Decomposition Temperature | NOT AVAILABLE |
| Viscosity | NOT AVAILABLE |
| Explosive Properties | NOT AVAILABLE |
| Oxidising Properties | NOT AVAILABLE |
| Specific Gravity | 1.01 |

9.2 Other information

No information provided.

10. STABILITY AND REACTIVITY

10.1 Reactivity

Carefully review all information in sections 10.2 to 10.6.

10.2 Chemical stability

Stable under recommended conditions of storage.

10.3 Possibility of hazardous reactions

Polymerization is not expected to occur.

10.4 Conditions to avoid

Avoid shock, friction, heavy impact, heat, sparks, open flames and other ignition sources.

10.5 Incompatible materials

Incompatible with oxidising agents (e.g. hypochlorites), acids (e.g. nitric acid), alkalis (e.g. sodium hydroxide), heat and ignition sources.

10.6 Hazardous decomposition products

May evolve carbon oxides and hydrocarbons when heated to decomposition.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Health hazard summary

Harmful - irritant. This product has the potential to cause adverse health effects. Use safe work practices to avoid eye or skin contact and inhalation. Over exposure to methyl ethyl ketone (MEK) in combination with certain other solvents (eg n-hexane) may result in peripheral nerve damage. Chronic exposure to some solvents may result in anaemia and liver, kidney and central nervous system (CNS) damage.

Eye

Irritant. Contact may result in irritation, lacrimation, pain and redness. May result in burns with prolonged contact.

| | |
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| Product name | LACQUER ACR/NC 37038 MATT BLACK (PRODUCT OBSOLETE) |
| Inhalation | Harmful - irritant. Over exposure may result in irritation of the nose and throat, coughing, nausea and headache. High level exposure may result in dizziness, drowsiness, breathing difficulties and unconsciousness. Chronic exposure to some solvents may result in liver, kidney and central nervous system (CNS) damage. |
| Skin | Irritant. Contact may result in drying and defatting of the skin, rash and dermatitis. May be absorbed through skin with harmful effects. |
| Ingestion | Harmful. Ingestion may result in nausea, vomiting, abdominal pain, diarrhoea, dizziness and drowsiness. Chronic exposure to some solvents may result in anaemia and liver, kidney and central nervous system (CNS) damage. Aspiration or inhalation may cause chemical pneumonitis and pulmonary oedema. |
| Toxicity data | <p>TOLUENE (108-88-3)</p> <p>LC50 (Inhalation): 400 ppm/24 hours (mouse)</p> <p>LCLo (Inhalation): 1600 ppm (guinea pig)</p> <p>LD50 (Ingestion): 636 mg/kg (rat)</p> <p>LD50 (Skin): 14100 µL/kg (rabbit)</p> <p>LDLo (Ingestion): 50 mg/kg (human)</p> <p>2-METHOXY-1-METHYLETHYL ACETATE (108-65-6)</p> <p>LD50 (Ingestion): 8532 mg/kg (rat)</p> <p>LD50 (Intraperitoneal): 750 mg/kg (mouse)</p> <p>LD50 (Skin): > 5000 mg/kg (rabbit)</p> <p>METHYL ETHYL KETONE (MEK) (78-93-3)</p> <p>LC50 (Inhalation): 23500 mg/kg (rat)</p> <p>LD50 (Ingestion): 2737 mg/kg (rat)</p> <p>LD50 (Intraperitoneal): 607 mg/kg (rat)</p> <p>LD50 (Skin): 6480 mg/kg (rabbit)</p> <p>TCLo (Inhalation): 100 ppm/5 minutes (Human - eye irritant)</p> <p>XYLENE (1330-20-7)</p> <p>LC50 (Inhalation): 5000 ppm/4 hours (rat)</p> <p>LCLo (Inhalation): 10000 ppm/6 hours (man)</p> <p>LD50 (Ingestion): 4300 mg/kg (rat)</p> <p>LD50 (Intraperitoneal): 1548 mg/kg (mouse)</p> <p>LD50 (Skin): > 1700 mg/kg (rabbit)</p> <p>LD50 (Subcutaneous): 1700 mg/kg (rat)</p> |

12. ECOLOGICAL INFORMATION

12.1 Toxicity

No information provided.

12.2 Persistence and degradability

No information provided.

12.3 Bioaccumulative potential

No information provided.

12.4 Mobility in soil

No information provided.

12.5 Results of PBT and vPvB assessment

No information provided.

12.6 Other adverse effects

If aromatic hydrocarbons are released to soil, they will evaporate from near-surface soil & leach to groundwater. Biodegradation occurs in soil & groundwater but may be slow, especially at high concentrations, which can be toxic to microorganisms. Will exist largely as vapour in air. Half life in atmosphere depends on particular hydrocarbon (eg 1-2 days (xylene); 3 hrs-1 day (toluene)).

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

| | |
|-----------------------|--|
| Waste disposal | For small amounts, absorb with sand, vermiculite or similar and dispose of to an approved landfill site. Contact the manufacturer/supplier for additional information if disposing of large quantities (if required). Prevent contamination of drains and waterways as aquatic life may be threatened and environmental damage may result. |
| Legislation | Dispose of in accordance with relevant local legislation. |

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14. TRANSPORT INFORMATION

CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE



| | Land Transport (ADG) | Sea Transport (IMDG/IMO) | Air Transport (IATA/ICAO) |
|--|---------------------------------|-----------------------------|------------------------------|
| 14.1 UN number | 1263 | 1263 | 1263 |
| 14.2 UN proper shipping name | PAINT or PAINT RELATED MATERIAL | | |
| 14.3 Transport hazard classes | | | |
| DG Class | 3 | 3 | 3 |
| Subsidiary risk(s) | None Allocated | - | - |
| 14.4 Packing group | II | II | II |
| 14.5 Environmental hazards | | None Allocated | |
| 14.6 Special precautions for user | | | |
| Hazchem Code | •3YE | | |
| EMS | | F-E, S-E | |

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

| | | |
|-----------------------------|---|---|
| Poison schedule | Classified as a Schedule 6 Poison using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP). | |
| Classifications | F - Highly flammable Repr. - Reproductive toxin Xi - Irritant Xn - Harmful | |
| Risk phrases | R11: | Highly flammable. |
| | R36/38: | Irritating to eyes and skin. |
| | R48/20: | Harmful: danger of serious damage to health by prolonged exposure through inhalation. |
| | R63: | Possible risk of 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 - No smoking. |
| | S23: | Do not breathe gas/fumes/vapour/spray (where applicable). |
| | S33: | Take precautionary measures against static discharges. |
| | S36/37: | Wear suitable protective clothing and gloves. |
| | S51: | Use only in well ventilated areas. |
| Inventory listing(s) | AUSTRALIA: AICS (Australian Inventory of Chemical Substances) All components are listed on AICS, or are exempt. | |

15.2 Chemical safety assessment

No information provided.

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16. OTHER INFORMATION

Additional information WORK PRACTICES - SOLVENTS: Organic solvents may present both a health and flammability hazard. It is recommended that engineering controls should be adopted to reduce exposure where practicable (for example, if using indoors, ensure explosion proof extraction ventilation is available). Flammable or combustible liquids with explosive limits have the potential for ignition from static discharge. Refer to AS 1020 (The control of undesirable static electricity) and AS 1940 (The storage and handling of flammable and combustible liquids) for control procedures.

SYNERGISM - ANTAGONISM: Ingredients in this product may act together to aggravate or reduce adverse effects. Accordingly the time weighted average concentration (TWA) provided for single ingredients should be considered as a guide only and all due care exercised when handling.

RESPIRATORS: In general the use of respirators should be limited and engineering controls employed to avoid exposure. If respiratory equipment must be worn ensure correct respirator selection and training is undertaken. Remember that some respirators may be extremely uncomfortable when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.

HEALTH EFFECTS FROM EXPOSURE:
It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a ChemAlert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:
The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

COLOUR RATING SYSTEM: RMT has assigned all ChemAlert reports a colour rating of Green, Amber or Red for the sole purpose of providing users with a quick and easy means of determining the hazardous nature of a product. Safe handling recommendations are provided in all ChemAlert reports so as to clearly identify how users can control the hazards and thereby reduce the risk (or likelihood) of adverse effects. As a general guideline, a Green colour rating indicates a low hazard, an Amber colour rating indicates a moderate hazard and a Red colour rating indicates a high hazard.

While all due care has been taken by RMT in the preparation of the Colour Rating System, it is intended as a guide only and RMT does not provide any warranty in relation to the accuracy of the Colour Rating System. As far as is lawfully possible, RMT accepts no liability or responsibility whatsoever for the actions or omissions of any person in reliance on the Colour Rating System.

| | | |
|----------------------|-------------------|---|
| Abbreviations | ACGIH | American Conference of Governmental Industrial Hygienists |
| | CAS # | Chemical Abstract Service number - used to uniquely identify chemical compounds |
| | CNS | Central Nervous System |
| | EC No. | EC No - European Community Number |
| | EMS | Emergency Schedules (Emergency Procedures for Ships Carrying Dangerous Goods) |
| | GHS | Globally Harmonized System |
| | GTEPG | Group Text Emergency Procedure Guide |
| | IARC | International Agency for Research on Cancer |
| | LC50 | Lethal Concentration, 50% / Median Lethal Concentration |
| | LD50 | Lethal Dose, 50% / Median Lethal Dose |
| | mg/m ³ | Milligrams per Cubic Metre |
| | OEL | Occupational Exposure Limit |
| | PEL | Permissible Exposure Limit |
| | pH | relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline). |
| | ppm | Parts Per Million |
| | REACH | Regulation on Registration, Evaluation, Authorisation and Restriction of Chemicals |
| | STEL | Short-Term Exposure Limit |
| | STOT-RE | Specific target organ toxicity (repeated exposure) |

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| | |
|---------|--|
| STOT-SE | Specific target organ toxicity (single exposure) |
| SUSMP | Standard for the Uniform Scheduling of Medicines and Poisons |
| SWA | Safe Work Australia |
| TLV | Threshold Limit Value |
| TWA | Time Weighted Average |

Report Status This ChemAlert report has been independently compiled by RMT's scientific department utilising the original Safety Data Sheet ('SDS') for the product provided to RMT by the manufacturer. The information is based on the latest chemical and toxicological research and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. It is an independent collation by RMT of information obtained from the original SDS for this product. Its content has not been authorised or verified by the manufacturer / distributor of the chemical to which it relates.

This ChemAlert report does not constitute the manufacturer's original SDS and is not intended to be a replacement for same. It is provided to subscribers of ChemAlert as a reference tool only, is not all-inclusive and does not represent any guarantee as to the properties of the product. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer.

While RMT has taken all due care to include accurate and up-to-date information in this ChemAlert report, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, RMT accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this ChemAlert report.

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End of Report