

MATERIAL SAFETY DATA SHEET



1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: Bulldog Blue
Recommended Use: Vehicle cleaner.
Supplier: Auto Klene Solutions
ABN: 51 417 164 855
Street Address: 1/83 Merrindale Drive
Croydon, Victoria
Australia
Phone Number: +61 3 8761 1900
Facsimile: +61 3 8761 1955

2. HAZARDS IDENTIFICATION

This material is non-hazardous according to criteria of NOHSC; NON-HAZARDOUS SUBSTANCE.

Classified as Non-Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail; NON-DANGEROUS GOODS.

Risk Phrases: R36/38 Irritating to skin and eyes.
Safety Phrases: S2 Keep out of reach of children
S13 Keep away from food, drink and animal foodstuffs.
S24/25 Avoid contact with skin and eyes
S37/39 Wear suitable gloves and eye/face protection

Poisons Schedule: None.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Components/CAS Number | Proportion | Risk Phrases |
|-------------------------------------|------------|--------------|
| Sodium Phosphate / 7758-29-4 | <10% | |
| Anionic Surfactant / 25155-30-0 | <10% | |
| Methyl Methoxy Butanol / 56539-66-3 | <10% | |
| Perfume | <10% | |
| Dye | <10% | |
| Water / 7732-18-5 | Balance | |

4. FIRST AID MEASURES

For advice, contact a Poisons Information Centre (Phone eg. Australia 131 126; New Zealand 0 800 764766)

Inhalation: Remove victim from further exposure. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position. Seek medical attention if effects persist.

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- Skin Contact:** If skin or hair contact occurs, immediately remove any contaminated clothing and wash skin and hair thoroughly with running water. If irritation continues, seek medical attention.
- Eye Contact:** If in eyes, hold eyelids apart and flush the eye continuously with running water for at least 15 minutes. If irritation continues, seek medical attention.
- Ingestion:** Immediately give a glass of water. DO NOT induce vomiting. Contact a Poisons Information Centre or a doctor immediately.
- Medical attention And special Treatment:** Treat symptomatically.

5. FIRE FIGHTING MEASURES

- Hazards from combustion products:** This material is not combustible under normal conditions. However, it will breakdown under fire conditions and the organic component may burn. Not considered to be a significant fire risk. Fumes containing carbon dioxide, carbon monoxide and sulfur dioxide may be formed in large fires.
- Precautions for fire fighters and Special protective equipment:** Alert Fire Brigade and tell them location and nature of hazard. Wear breathing apparatus plus protective gloves for fire only. Prevent, by any means available, spillage from entering drains or water courses. Use fire fighting procedures suitable for surrounding area. DO NOT approach containers suspected to be hot. Cool fire exposed containers with water spray from a protected location. If safe to do so, remove containers from path of fire. Equipment should be thoroughly decontaminated after use.
- Suitable Extinguishing Media:** Use water spray, 'alcohol' foam, dry chemical or carbon dioxide. Avoid using large quantities of water.
- Hazchem Code:** None.

6. ACCIDENTAL RELEASE MEASURES

- Emergency procedures:** If contamination of sewers or waterways has occurred advise local emergency services.
- Methods and materials for Containment and clean up:** Clear area of all personnel. Alert Fire Brigade and tell them location and nature of hazard. Control personal contact by using protective equipment as required. Prevent spillage from entering drains and waterways. Collect recoverable product into labeled containers for recycling. Absorb remaining product with sand, earth or vermiculite and place in appropriate containers for disposal. Wash area and prevent run off into drains or waterways.

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7. HANDLING AND STORAGE

Conditions for safe storage: Store in a well ventilated area. Keep container closed at all times when not in use. Check regularly for leaks. Remove drum bungs slowly to release any internal pressure.

Precautions for safe handling: Avoid skin and eye contact.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE CONTROLS

None assigned.

PERSONAL PROTECTION

EYE

No special equipment for minor exposure i.e. when handling small quantities.

- OTHERWISE:

- Safety glasses with side shields.

- Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants.

A written policy document, describing the wearing of lens or restrictions on use, should be created for each workplace or task. This should include a review of lens absorption and adsorption for the class of chemicals in use and an account of injury experience. Medical and first-aid personnel should be trained in their removal and suitable equipment should be readily available. In the event of chemical exposure, begin eye irrigation immediately and remove contact lens as soon as practicable. Lens should be removed at the first signs of eye redness or irritation - lens should be removed in a clean environment only after workers have washed hands thoroughly. [CDC NIOSH Current Intelligence Bulletin 59].

HANDS/FEET

No special equipment needed when handling small quantities.

OTHERWISE: Wear chemical protective gloves, eg. PVC.

OTHER

No special equipment needed when handling small quantities.

OTHERWISE:

- Overalls.

- Barrier cream.

- Eyewash unit.

The local concentration of material, quantity and conditions of use determine the type of personal protective equipment required. For further information consult your Occupational Health and Safety Advisor.

ENGINEERING CONTROLS

Natural ventilation should be adequate under normal conditions of use. Keep containers closed when not in use.

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9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|------------------|
| Physical State: | Liquid |
| Colour: | Opaque blue |
| Odour: | Coconut |
| Solubility: | Mixes with water |
| Specific Gravity: | 1.04 |
| Relative Vapour Density (air= 1): | N Av |
| Vapour Pressure (20°C): | N Av |
| Flash Point (°C): | >100 |
| Flammability Limits (%): | N App |
| Autoignition Temperature (°C): | N Av |
| % Volatile by Weight: | N Av |
| Solubility in water (g/L): | Complete |
| Melting Point/Range (°C): | 0 approx |
| Boiling Point/Range (°C): | 100 approx |
| Decomposition Point (°C): | N Av |
| pH: | 7 to 9 |
| Viscosity: | N Av |
| Evaporation Rate: | As for water |

10. STABILITY AND REACTIVITY

| | |
|---------------------------------|---|
| Chemical Stability: | Product is considered stable and hazardous polymerization will not occur. |
| Conditions to avoid: | Avoid contact with foodstuffs. |
| Incompatible materials: | Oxidants |
| Hazardous decomposition: | Fumes containing carbon dioxide, carbon monoxide and sulfur dioxide may be formed in large fires. |
| Hazardous reactions: | None known. |

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

| | |
|---------------------------|---|
| Ingestion: | This product is irritating to the gastro-intestinal tract. Ingestion may result in nausea, abdominal irritation, pain and vomiting. |
| Eye contact: | An eye irritant. Contamination of the eyes may produce corneal damage. |
| Skin contact: | Irritating to skin. Repeated or prolonged skin contact may lead to dermatitis. |
| Inhalation: | Not normally a hazard due to non-volatile nature of product. Vapour or mist is irritating. |
| Long Term Effects: | Prolonged or repeated skin contact may cause drying with cracking, irritation and possible contact dermatitis. |

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12. ECOLOGICAL INFORMATION

Ecotoxicity: Avoid contaminating waterways.

13. DISPOSAL CONSIDERATIONS

Disposal Methods: Refer to Waste Management Authority. Dispose of material through a licensed waste contractor. Normally suitable for incineration by an approved agent. Decontaminate empty containers. Observe all label safeguards until containers are cleaned and destroyed.

14. TRANSPORT INFORMATION

Hazchem Code: None.

NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS: UN, IATA, IMDG

15. REGULATORY INFORMATION

Classification: This material is non-hazardous according to criteria of NOHSC; NON-HAZARDOUS SUBSTANCE.

Poisons Schedule: None.

16. OTHER INFORMATION

This MSDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Auto Klene cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.