

MATERIAL SAFETY DATA SHEET

AC2133

PRODUCT NAME: Airco Seal Pro
PRODUCT CODE: AC2133
DESCRIPTION: Vehicle air conditioner leak sealant supplied only in 113g sealed, unpressurised canister with no propellant.

SUPPLIER: Primalec
Green Farm, Maidstone Road, Nettlestead Green,
Nr. Maidstone, Kent, ME18 5HD England
Telephone: +44 1 622 816955
Fax: +44 1 622 816110

(2). COMPOSITION INFORMATION:

Proprietary mixture of active ingredients with PAG, including:

(a) Polyalkylene Glycol (PAG) CAS No. N/A
(b) Cyclohexanone CAS No. 108-94-1 <1%

Hazardous ingredient

(c) Methanol CAS-No. 67-56-1

(3). HAZARD IDENTIFICATION:

Human Health Poison. Keep away from food. **Skin:** primary irritation - de-fatting dermatitis. **Eyes:** primary irritation - redness, tears, blurred vision. **Chronic hazards:** May cause severe cumulative dermatitis, Potential cancer hazard based on laboratory tests: over exposure may create a cancer risk. **Inhalation:** Harmful if inhaled. Exposure to high concentration can induce anaesthetic effect. Irritates respiratory tract. Acute overexposure can cause serious nervous system depression which can cause death. Vapour harmful. Concentrated vapour in confined areas may be fatal. Exposure increases carbon monoxide level of blood. Acute overexposure can cause damage to kidneys, blood, nerves, liver and lungs. **Ingestion:** can cause abdominal irritation, nausea, vomiting, and diarrhea.

(4). FIRST AID MEASURES:

General Always use good industrial hygiene/safety practices. In all cases of doubt or when any symptoms persist seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation Remove to fresh air after overexposure to vapours. If breathing is laboured, qualified personnel may give oxygen. Give artificial respiration if not breathing. If cardiac arrest, apply external cardiac massage. Do not administer adrenaline or similar drugs as cardiac arrhythmia may result. Seek immediate medical attention.

Skin Contact Wash affected areas of skin thoroughly with plenty of soap and warm water. Obtain medical attention if prolonged contact with skin causes red skin irritation or dermatitis. Launder clothing before reuse.

Eye Contact Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for 15 minutes. Have eyes examined and treated by medical personnel..

Ingestion Unlikely to occur in use. Wash out mouth with water and give 1 or 2 glasses of water to drink. Do not induce vomiting. Seek immediate medical attention. Professional personnel may give oxygen until recovery. Do not administer sympathomimetic amines such as epinephrine, which may cause arrhythmias.

(5). FIRE FIGHTING MEASURES:

Extinguishing media Water/dry chemicals/CO2/Foam

Special fire fighting procedures Water spray may be ineffective on fire, but can protect fire fighters and cool closed containers. Use mist nozzles if water is used.

Hazardous thermal (de) composition products Highly toxic decomposition products. Empty containers remain hazardous. Continue all label precautions.

Protection of fire fighters Self-contained breathing apparatus with full facepiece and protective clothing if involved in a fire of other materials.

Unusual fire or explosion hazards Vapours form from this product which may be moved by air currents and be ignited by ignition sources far from the product handling point. When this product is exposed to extreme heat, as in a fire, it may polymerise and rupture a closed container.

(6). ACCIDENTAL RELEASE MEASURES:

Personal precautions Wear suitable protection equipment clothing and remove contaminated clothing as soon as possible.

Environmental precautions Following instructions provided will prevent accidental escape. Significant spillage is unlikely, due to small quantity in canister.

Methods of cleaning up Use sand, earth or other suitable inert material to absorb any small spillage

and collect in sealable containers. Dispose of containers in accordance with local regulations.

(7). HANDLING AND STORAGE:

Handling Keep away from sources of ignition. No smoking. Use with adequate ventilation. Do not breath vapour or spray mist. Wear protective clothing as well as eye and hand protection. Do not pierce or burn container even after use. Avoid static discharges.

Storage Store in a cool place away from sources of ignition, heat and oxidising substances. Do not store above 38°C.

(8). EXPOSURE CONTROLS/ PERSONAL PROTECTION:

Control parameters Exposure via the air and normal handling

Engineering measures Mechanical ventilation and local exhaust will reduce exposure. Use oil resistant material in construction of handling equipment. Store under recommended conditions (section 7) and avoid overheating.

Personal protection equipment

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|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Respiratory | If ventilation is poor, use suitable mask & filter |
| Hands | Wear nitrile gloves with cotton knit liner. |
| Skin and body | Wear suitable protective clothing: Apron, arm covers, or full body suit, depending on conditions. Grossly contaminated clothing should be removed and the skin washed with soap and water or proprietary skin cleaner. |
| Eyes | Wear suitable chemical tight safety goggles or glasses and face shield. |

(9). PHYSICAL AND CHEMICAL PROPERTIES:

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|-----------------|-----------------------------------------------------------------------|------------------|-----------------------------|-------|--------|
| Form | Viscous liquid | Colour | Clear | Odour | Kelone |
| Boiling range | 122°C | Specific gravity | 0.98 @ 20° C | | |
| Solubility | Non soluble in water. Miscible with hydrocarbons and organic solvents | | | | |
| Vapour pressure | 279.0 mm of Hg at 20° C | | | | |
| Vapour density | Heavier than air | Flash point | 138°C (closed cup ASTM D56) | | |

(10). STABILITY AND REACTIVITY:

Stability Stable under normal conditions

Avoid Sources of ignition and heat, oxidising substances or reducing substances. Avoid peroxides, catalytic metals and polymerisation catalysts.

Hazardous decomposition products Carbon monoxide, Carbon Dioxide, Hydrogen Chloride, Phosgene from burning.

Polymerisation Hazardous polymerisation may occur at temperatures over 150°C.

(11). TOXICOLOGICAL INFORMATION:

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Skin irritation Prolonged or repeated contact may cause red skin irritation and dermatitis

Eye irritation Liquid splashes or vapour spray may cause freeze burns

(12). ECOLOGICAL INFORMATION:

Mobility

Bio-degradability Not readily biodegradable

There is no other data available on this product itself. Large quantities of the product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters.

(13). DISPOSAL CONSIDERATIONS:

Residues/ contaminated packaging should be regarded as hazardous waste and be disposed of in accordance with local, national and EU regulations.

(14). TRANSPORT INFORMATION:

The product is supplied in sealed 4 ounce cans under a light vacuum, which require a special tapping device and hose to access the contents.

Air:

Sea:

Road/Rail:

(15). REGULATORY INFORMATION

Risk Phrases: R20/21/22 Harmful if inhaled or in contact with skin and if swallowed

Safety Phrases: S02 Keep out of reach of children
S16 Keep away from sources of ignition
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S46 If swallowed, seek medical advice immediately and show this container or label.
S51 Use only in well ventilated areas

'P' Phrases: Do not breathe vapour/spray

(16). OTHER INFORMATION:

NPCA-HMIS Rating

Health: 1

Flammability: 0

Reactivity: 1

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed as a guidance for safe handling, use processing, storage, transportation, disposal, and release. It is not to be considered as a warranty or quality specification. The information relates to the specific material designated and may not be valid for such material in combination with any other materials or in any process, unless specified in the text.