MATERIAL SAFETY DATA SHEET

SECTION 1 – IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: YIELD

Manufacturer's Product Code: 5068

Other Names: Hydrocarbon based rust loosening aerosol.

Major Recommended Uses: As a rust loosening spray for rusty nuts and bolts and other metal pieces.

Supplier's Details: Chemsearch Australia
5 Ralph Street, Alexandria
Sydney NSW 2015
Telephone Number (Office Hours): (02) 9669 0260
Fax Number: (02) 9693 1562
Emergency Telephone Number: 0401718972

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SECTION 2 – HAZARDS IDENTIFICATION

Hazard Classification: NOT classified as hazardous according to the criteria of NOHSC.

Dangerous Goods Class & Sub-risk: Class 2.1, no sub-risk.

Poisons Schedule: None allocated.

Risk Phrases: Flammable.
Repeated exposure may cause skin dryness or cracking.
Vapours may cause drowsiness and dizziness.

Safety Phrases: Keep out of reach of children
Keep away from sources of ignition - no smoking.
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Chemical Entity	CAS No	Proportion	Synonyms
'INGREDIENTS DETERMINED NOT TO BE HAZARDOUS'		100%	

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SECTION 4 – FIRST AID MEASURES

Skin: Wash affected areas with plenty of soap and water for several minutes. Seek medical attention if irritation develops.

Eye: Rinse eyes with water for 15-minutes. Seek medical attention if irritation develops.

Inhalation: Remove to fresh air. Seek medical attention if respiratory irritation develops or if breathing becomes difficult.

Ingestion: Give 3-4 glasses of water, but do NOT induce vomiting. If vomiting occurs, give fluids again.Seek medical attention if discomfort occurs.

First Aid Facilities: General eyewash.

Advice to Doctor: There is no specific antidote. Treat the patient symptomatically.

Additional Information: Gastric lavage is indicated. Do not induce vomiting. Chronic poisoning has produced secondary anaemia, leucocytosis and a cloudy swelling and fatty degradation of the viscera. Primary routes of entry are via inhalation and absorption.

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SECTION 5 – FIRE FIGHTING MEASURES

Suitable Extinguishing Media: In the event of a fire, powder, foam, CO2 and water spray are the recommended extinguishing agents.

Special Protective Equipment and Precautions for Fire Fighters: Fire fighters should wear self-contained breathing apparatus and full protective gear.

Fire/Explosive Hazards: Vapours are heavier than air and may travel to distant and/or low-lying sources of ignition and flashback. Product may produce a floating fire hazard as liquid floats on water.

Hazchem Code: 2Y

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SECTION 6 – ACCIDENTAL RELEASE MEASURES

Wear appropriate protective clothing.
Methods and Materials for Containment and Clean Up: Due to the nature of aerosol packaging, a large spill is unlikely. For a small spill, ventilate the area and absorb with an inert material. Dispose of waste in a closed, labelled container in accordance with local, state and Commonwealth laws. Typical disposal is to wrap the empty aerosol container in several layers of newspaper and dispose of in the garbage. Do not puncture or incinerate the can.

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SECTION 7 – HANDLING AND STORAGE

Precautions for Safe Handling: Observe precautions stated on product label, and follow industry safety regulations. Eating and smoking should be prohibited where the preparation is used. Use with caution around heat, sparks, pilot lights, static electricity and open flame.

Conditions for Safe Storage: Store indoors in the in original container. Store in a dry, well-ventilated area. Store below 49°C.

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SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards: Not established for this mixture. The exposure limits for individual components follow:

Ethyl acetate:	TWA - 200ppm; 720mg/m³ ;STEL - 400ppm; 1440mg/m³
Propane/butane propellant:	TLV TWA – 800ppm; 1900mg/m³

Engineering Controls: General exhaust is usually adequate, although local ventilation is recommended to control exposure from operations that can generate mists or vapours. Minimise use in confined spaces.

Personal Protective Equipment:

Eye/Face Protection: Wear safety glasses or solvent resistant mask if the method of use presents the likelihood of eye contact. AS1336 and AS/NZS1337 should be consulted for information on eye protection.

Skin Protection: Neoprene or nitrile rubber gloves should be worn if repeated or prolonged skin contact is likely.

Respiratory Protection: None required under normal conditions of use. If misting is likely to occur, or if used in confined or poorly ventilated areas where exposure will be above the TLV, an approved organic vapour respirator meeting the requirements outlined in AS/NZS 1715 and AS/NZS 1716 should be used.

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SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear to amber liquid with a vinegar odour.
pH:	Not applicable
Vapour Pressure:	Not available
Boiling Point:	72ºC
Melting Point:	Not applicable
Solubility in Water (g/L):	Insoluble
Specific Gravity:	0.87(At 25 ºC ; water = 1)
Flashpoint:	27°C
Flashpoint Method:	TAG Closed Cup
Flammability Limits:	LEL: 2.2; UEL: 11.0
% Volatiles by Volume:	50.0%
Evaporation Rate:	1.0 (BU A/C = 1)

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SECTION 10 – STABILITY AND REACTIVITY

Stability: Stable.

Hazardous Polymerisation: Will not occur.

Conditions/Materials to Avoid: Avoid heat, hot surfaces, sparks, and open flames.
Keep away from strong oxidising agents such as chlorine bleach, concentrated hydrogen peroxide, dichromates, permanganates, and potassium hypochlorite; acids, bases, silica gel, potassium t-butoxide, oleum, nitrates, lithium tetrahydroaluminate, lithium aluminium hydride, chromium trioxide, chlorosulfonic acid, 2-chloromethylfuran, amines, and alumina.

Hazardous Decomposition Products: Oxides of carbon – carbon monoxide under extreme heat; oxides of nitrogen, sodium, and sulphur; aldehydes.

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SECTION 11 – TOXICOLOGICAL INFORMATION

Health Effects:
Acute - Swallowed: May cause irritation with possible nausea, cramps, vomiting and diarrhoea.

Acute - Eye: May cause irritation seen as tearing, redness, and a burning sensation. Blurred vision may result.

Acute - Skin: May cause irritation seen as itching and redness.

Acute - Inhaled: May cause respiratory irritation seen as coughing and sneezing. Inhalation of large amounts may cause dizziness, headache and other central nervous system effects.

Chronic: Due to the use pattern of this product, the likelihood of any chronic effects occurring is remote. Medical conditions aggravated by exposure are pre-existing respiratory and skin conditions such as asthma, emphysema, and dermatitis; pre-existing blood, cardiovascular, liver, and kidney diseases. May cause corneal clouding, dermatitis or even a narcotic effect and also congestion in the liver and kidneys.

Target Organs: Central nervous system, lungs, kidneys and liver.

SECTION 12 – ECOLOGICAL INFORMATION

No specific toxicology data on this product is available. When used as indicated, no adverse environmental effects are foreseen. Avoid contaminating waterways.

Persistence/Degradability: Not readily biodegradable; slowly biodegradable in aerobic conditions.

Mobility in Soil: Not soluble in water.

SECTION 13 – DISPOSAL CONSIDERATIONS

Do not incinerate or puncture aerosol cans. If aerosol can develops a leak, allow to fully discharge before disposal. Prevent disposal in sewers and waterways. Normally suitable for disposal at approved land waste site, but review Commonwealth, State and local government requirements prior to disposal.

SECTION 14 – TRANSPORT INFORMATION

UN Number: UN1950

UN Proper Shipping Name: Aerosol

Transport Hazard Class: ADG Class 2.1, no sub-risk.

Packaging Group: Not applicable.

Hazchem Code: 2Y

SECTION 15 - REGULATORY INFORMATION

Poisons Schedule: None allocated ;

SECTION 16 – OTHER INFORMATION

Since the user's working conditions are not known by the supplier, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations. The product must not be used for any purposes other than those specified in Section 1 without first obtaining written handling instructions. CHEMSEARCH AUSTRALIA assumes no responsibility for personal injury or property damage caused by the use, storage, or disposal of the product in a manner not recommended on the product label. Users assume all risks associated with such non-recommended use, storage or disposal of the product.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations. The information given on this safety data sheet must be regarded as a description of the safety requirements relating to our product and not a guarantee of its properties.