

SAFETY DATA SHEET



MultiAuto

1 IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product Name: ENGINE START
Product Code: GA18
Company Identification: W R DAY LTD
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2 HAZARDS IDENTIFICATION

Extremely flammable. Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed. In use, may form flammable/explosive vapour-air mixture.

3 COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT(S)	%W/W	CAS No.	EC No.	EC Classification
Butane	10-30	106-97-8	203-448-7	F+ R12
Methanol	30-50	67-56-1	200-659-6	F, R11; T, R23/24/25; T, R39/23/24/25
Diethylether	10-30	60-29-7	200-467-2	F+, R12; R19; Xn, R22; R66; R67

For full text of R phrases see section 16.

4 FIRST AID MEASURES

Inhalation Remove patient from exposure. Apply artificial respiration if patient is not breathing. Obtain immediate medical attention.

Skin Contact Remove contaminated clothing and wash affected skin with water.

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Eye Contact Irrigate with eyewash solution or clean water, holding the eyelids apart, for at least 15 minutes. Obtain immediate medical attention.

Ingestion If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

5 FIRE-FIGHTING MEASURES

Extinguishing Media Extinguish preferably with dry chemical, foam or waterspray.

Unsuitable Extinguishing Media None known.

Fire Fighting Protective Equipment A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

6 ACCIDENTAL RELEASE MEASURES

Clean-up procedures Absorb onto earth or sand and remove to safe place. Transfer to a lidded container for disposal or recovery.

7 HANDLING AND STORAGE

Handling Avoid direct contact with the substance. Use only in well-ventilated areas. Avoid inhalation of high concentrations of vapours. No smoking.

Storage Extremely flammable. Keep away from heat.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Provide adequate ventilation when using the material and follow the principles of good occupational hygiene to control personal exposures.

Wear suitable gloves and eye/face protection.

Occupational Exposure Limits :

SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note:
Methanol	67-56-1		266		333	WEL
Diethylether	60-29-7		310		620	WEL
Butane	106-97-8	600	1450	750	1810	WEL

WEL: Workplace Exposure Limit (UK HSE EH40)

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9. PHYSICAL AND CHEMICAL PROPERTIES

Form Aerosol.
Flash Point (°C) -32

10. STABILITY AND REACTIVITY

Hazardous Decomposition Product(s) Combustion causes toxic fumes.
Incompatible materials: Strong oxidising agents. Acids.

11. TOXICOLOGICAL INFORMATION

Inhalation Harmful: danger of serious damage to health by prolonged exposure through inhalation.
Skin Contact Can be absorbed through skin causing systemic toxic effects.
Eye Contact Irritating to eyes.
Ingestion Unlikely route of exposure.

12. ECOLOGICAL INFORMATION

Toxicity Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

13. DISPOSAL CONSIDERATIONS

Regulatory information Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

14. TRANSPORT INFORMATION

INTERNATIONAL TRANSPORT REGULATIONS

Proper Shipping Name Aerosols
UN No. 1950
UN Pack. Group 2
SEA
IMDG Class 2
IMDG EMS F-D-S-U

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UN Packing group Sea 2
AIR ICAO/IATA 2.1
UN Packing group Air Not applicable.

EUROPEAN REGULATIONS: ROAD/RAIL

ADR/RID Class 2, 5F Class 2.1: Flammable Gases

15. REGULATORY INFORMATION

Hazard Symbol



EXTREMELY FLAMMABLE

TOXIC

Risk Phrases

R12: Extremely flammable.
R23/24/25: Toxic by inhalation, in contact with skin and if swallowed.
R39/23/24/25: Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

Safety Phrases

S16: Keep away from sources of ignition - No smoking.
S23: Do not breathe spray.
S36/37: Wear suitable protective clothing and gloves.
S38: In case of insufficient ventilation, wear suitable respiratory equipment.
S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S51: Use only in well-ventilated areas.
S60: This material and its container must be disposed of as hazardous waste.
S63: In case of accident by inhalation: remove casualty to fresh air and keep at rest.

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Keep out of the reach of children.

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INTERNATIONAL INVENTORIES

EINECS (Europe)

EINECS: Included.

TSCA (Toxic Substance Control Act)

TSCA Inventory Status : All chemicals in this product comply with TSCA rules and regulations including TSCA Section 5 (Inventory Rules).

16. OTHER INFORMATION

This Safety Data Sheet was prepared in accordance with Directive 2001/58/EC.

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. W R Day Ltd gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. W R Day Ltd accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.

Risk Phrases:

R11: Highly flammable.

R12: Extremely flammable.

R19: May form explosive peroxides.

R22: Harmful if swallowed.

R23/24/25: Toxic by inhalation, in contact with skin and if swallowed.

R39/23/24/25: Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.

R66: Repeated exposure may cause skin dryness or cracking.

R67: Vapours may cause drowsiness and dizziness.