

**SAFETY DATA SHEET**  
**R203 ENGINE DEGREASER**



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

PRODUCT NAME **R203 ENGINE DEGREASER**

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**2 HAZARDS IDENTIFICATION**

Extremely flammable. Repeated exposure may cause skin dryness or cracking. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CLASSIFICATION **F+;R12. N;R51/53. R66.**

**3 COMPOSITION INFORMATION ON INGREDIENTS**

Name	EC No.	CAS-No.	Content	Classification
BUTANE	203-448-7	106-97-8	5-10%	F+;R12
COCONUT DIETHANOLAMIDE		68603-42-9	1-5%	Xi;R38,R41.
DIETHANOLAMINE	203-868-0	111-42-2	< 1%	Xn;R22,R48/22 Xi;R38,R41
ISOBUTANE	200-857-2	75-28-5	1-5%	F+;R12
ORANGE TERPENES	232-433-8	8028-48-6	< 1%	Xn;R65. Xi;R38. N;R50/53. R10.
PROPANE	200-827-9	74-98-6	10-30%	F+;R12
WHITE SPIRIT	265-185-4	64742-82-1	60-100%	Xn;R65. N;R51/53. R10,R66.
XYLENE	215-535-7	1330-20-7	1-5%	R10 Xn;R20/21 Xi;R38

The Full Text for all R-Phrases are Displayed in Section 16

**4 FIRST-AID MEASURES**

**GENERAL INFORMATION**

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

**INHALATION**

Move the exposed person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Keep the affected person warm and at rest. Get prompt medical attention.

**INGESTION**

**DO NOT INDUCE VOMITING!** Rinse mouth thoroughly with water and give large amounts of milk or water to people not unconscious. Get medical attention if any discomfort continues.

**SKIN CONTACT**

Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

**EYE CONTACT**

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

**5 FIRE-FIGHTING MEASURES**

**EXTINGUISHING MEDIA**

Use: Powder. Dry chemicals, sand, dolomite etc. Water spray, fog or mist.

**SPECIAL FIRE FIGHTING PROCEDURES**

Containers close to fire should be removed or cooled with water. Use water to keep fire exposed containers cool and disperse vapours.

**UNUSUAL FIRE & EXPLOSION HAZARDS**

Aerosol cans may explode in a fire.

**R203 ENGINE DEGREASER**

**6 ACCIDENTAL RELEASE MEASURES**

SPILL CLEAN UP METHODS

Wear necessary protective equipment. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Let evaporate. Keep out of confined spaces because of explosion risk. If leakage cannot be stopped, evacuate area.

**7 HANDLING AND STORAGE**

USAGE PRECAUTIONS

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

STORAGE PRECAUTIONS

Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C.

**8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
BUTANE	WEL	600 ppm	1450 mg/m3	750 ppm	1810 mg/m3	
DIETHANOLAMINE	OES	3 ppm	13 mg/m3			
ISOBUTANE	WEL	800 ppm		800 ppm		
ORANGE TERPENES		100 ppm				
PROPANE		Asphyxiating	Asphyxiating	Asphyxiating	Asphyxiating	
WHITE SPIRIT			600 mg/m3			
XYLENE	WEL	50 ppm(Sk)	220 mg/m3(Sk)	100 ppm(Sk)	441 mg/m3(Sk)	

WEL = Workplace Exposure Limit.

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT



ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection must be used if the general level exceeds the Recommended Workplace Exposure Limit. Use chemical cartridge protection with appropriate cartridge.

HAND PROTECTION

Use protective gloves.

EYE PROTECTION

Wear approved chemical safety goggles where eye exposure is reasonably probable.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

**9 PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE	Aerosol
COLOUR	Colourless
ODOUR	Characteristic

**R203 ENGINE DEGREASER**

SOLUBILITY Emulsible in water.

FLAMMABILITY LIMIT - LOWER(%) 0.8 FLAMMABILITY LIMIT - UPPER(%) 9.0

**10 STABILITY AND REACTIVITY**

STABILITY

Stable under normal temperature conditions.

CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition. Avoid contact with: Strong oxidising agents. Strong alkalis. Strong mineral acids.

HAZARDOUS DECOMPOSITION PRODUCTS

Fire creates: Vapours/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO2).

**11 TOXICOLOGICAL INFORMATION**

INHALATION

May cause irritation to the respiratory system. Vapours may cause headache, fatigue, dizziness and nausea. Prolonged inhalation of high concentrations may damage respiratory system.

INGESTION

May cause discomfort if swallowed. May cause stomach pain or vomiting. Gastrointestinal symptoms, including upset stomach.

SKIN CONTACT

Prolonged or repeated exposure may cause severe irritation. Acts as a defatting agent on skin. May cause cracking of skin, and eczema.

EYE CONTACT

Irritating to eyes. May cause chemical eye burns.

ROUTE OF ENTRY

Inhalation. Skin and/or eye contact.

**12 ECOLOGICAL INFORMATION**

ECOTOXICITY

Dangerous for the environment if discharged into watercourses.

**13 DISPOSAL CONSIDERATIONS**

DISPOSAL METHODS

Empty containers must not be burned because of explosion hazard. Dispose of waste and residues in accordance with local authority requirements.

**14 TRANSPORT INFORMATION**



UK ROAD CLASS	2		
PROPER SHIPPING NAME	AEROSOLS (WHITE SPIRIT)		
UN NO. ROAD	1950	UK ROAD PACK GR.	N/A
ADR CLASS NO.	2	ADR CLASS	Class 2: Gases
ADR PACK GROUP	N/A	TUNNEL RESTRICTION CODE	(D)
ADR LABEL NO.	2.1	CEFIC TEC(R) NO.	20G5F
RID CLASS NO.	2	RID PACK GROUP	N/A
UN NO. SEA	1950	IMDG CLASS	2.1
IMDG PACK GR.	N/A	EMS	F-D, S-U
MARINE POLLUTANT	No.	UN NO. AIR	1950
AIR CLASS	2.1	AIR PACK GR.	N/A

**15 REGULATORY INFORMATION**

**R203 ENGINE DEGREASER**

**LABELLING**



Extremely Flammable



Dangerous for the environment

**RISK PHRASES**

R12	Extremely flammable.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R66	Repeated exposure may cause skin dryness or cracking.

**SAFETY PHRASES**

S16	Keep away from sources of ignition - No smoking.
S23	Do not breathe vapour/spray.
S37	Wear suitable gloves.
S51	Use only in well-ventilated areas.
S60	This material and its container must be disposed of as hazardous waste.
S2	Keep out of the reach of children

**UK REGULATORY REFERENCES**

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002.

The Control of Substances Hazardous to Health Regulations 2002.

**STATUTORY INSTRUMENTS**

Control of Substances Hazardous to Health.

Chemicals (Hazard Information and Packaging) Regulations.

**APPROVED CODE OF PRACTICE**

Classification and Labelling of Substances and Preparations Dangerous for Supply.

**GUIDANCE NOTES**

Workplace Exposure Limits EH40.

Introduction to Local Exhaust Ventilation HS(G)37.

CHIP for everyone HSG(108).

**16 OTHER INFORMATION**

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REV. NO./REPL. SDS GENERATED 7

**RISK PHRASES IN FULL**

R10	Flammable.
R12	Extremely flammable.
R20/21	Harmful by inhalation and in contact with skin.
R22	Harmful if swallowed.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R48/22	Harmful: danger of serious damage to health by prolonged exposure if swallowed.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.

**DISCLAIMER**

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.