



SAFETY DATA SHEET

D-CARVONE

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

PRODUCT NAME	D-CARVONE
PRODUCT NO.	DC
SUPPLIER	Lansdowne Chemicals Winstons house, Carterton, Oxfordshire OX18 3EZ +44 (0) 1993 843081 +44 (0) 1993 841261 Techincal department msds@lansdownearomatics.com
EMERGENCY TELEPHONE	EMERGENCY INFORMATION OUT OF OFFICE HOURS, PLEASE CONTACT CARECHEM 24: +44 (0)1270 502891 OR +44 (0)1865 407333

2 HAZARDS IDENTIFICATION

Harmful if swallowed. May cause sensitisation by skin contact.

CLASSIFICATION Xn;R22. R43.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
(S)-2-METHYL-5-(1-METHYLVINYLCYCLOHEX-2-EN-1-ONE	218-827-2	2244-16-8	60-100%	Xn;R22. R43.

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

EC No. 218-827-2

CAS-No. 2244-16-8

4 FIRST-AID MEASURES

INHALATION

Move the exposed person to fresh air at once. Consult a physician for specific advice.

INGESTION

Immediately rinse mouth and provide fresh air. Get medical attention.

SKIN CONTACT

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if irritation persists after washing.

EYE CONTACT

Immediately flush with plenty of water or eyewash solution for up to 10 minutes. Contact physician if irritation persists.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Extinguish with foam, carbon dioxide or dry powder.

SPECIAL FIRE FIGHTING PROCEDURES

Water spray should be used to cool containers.

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

D-CARVONE

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet.

ENVIRONMENTAL PRECAUTIONS

Do not discharge into drains, water courses or onto the ground.

SPILL CLEAN UP METHODS

Cover with inert, non-combustible, inorganic absorbent material Sweep up and removed to an approved disposal container. Ventilate area and wash spill site after material pickup is complete. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. For waste disposal, see section 13.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Observe good industrial hygiene practices.

STORAGE PRECAUTIONS

Store in tightly closed original container in a dry, cool and well-ventilated place. Protect from light, including direct sunrays. Protect from air. Keep away from heat, sparks and open flame. HYGROSCOPIC

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENT COMMENTS

No exposure limits noted for ingredient(s).

PROTECTIVE EQUIPMENT



ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

RESPIRATORY EQUIPMENT

No specific recommendation made, but protection must be used when the general level exceeds 10 mg/m³.

HAND PROTECTION

Use protective gloves.

EYE PROTECTION

Wear approved safety goggles.

OTHER PROTECTION

Provide eyewash station and safety shower.

HYGIENE MEASURES

Wash promptly if skin becomes wet or contaminated.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Mobile Clear liquid		
COLOUR	Colourless to pale yellow		
BOILING POINT (°C)	96-98	RELATIVE DENSITY	0.96 25
FLASH POINT (°C)	98 CC (Closed cup).		

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions and recommended use.

MATERIALS TO AVOID

Strong acids. Strong oxidising substances. Strong alkalis.

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon monoxide (CO). Unidentified organic compounds may be formed during combustion

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11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50 3840 mg/kg (skn-rbt)

TOXICOLOGICAL INFORMATION

To the best of our knowledge, the chemical/physical/toxicological properties have not been thoroughly investigated.

INHALATION

May be harmful if inhaled.

INGESTION

May be harmful if swallowed.

SKIN CONTACT

May cause skin irritation May cause sensitisation by skin contact.

EYE CONTACT

May cause eye irritation.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

No data on possible environmental effects have been found.

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION

ADR CLASS No transport warning sign required.
Not classified for transportation.

15 REGULATORY INFORMATION

LABELLING



Harmful

CONTAINS

(S)-2-METHYL-5-(1-METHYLVINYLCYCLOHEX-2-EN-1-ONE

RISK PHRASES

R22 Harmful if swallowed.
R43 May cause sensitisation by skin contact.

SAFETY PHRASES

S24 Avoid contact with skin.
S37 Wear suitable gloves.
S60 This material and its container must be disposed of as hazardous waste.

16 OTHER INFORMATION

GENERAL INFORMATION

DISCLAIMER: This safety data sheet 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.

INFORMATION SOURCES

Material Safety Data Sheet, Misc. manufacturers.

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REVISION COMMENTS

Revision due to amendment of contents in section: 1, 2, 3, 15, 16.

REVISION DATE 02-10

REV. NO./REPL. SDS 001

GENERATED

SDS NO. 11183

DATE 02-10

RISK PHRASES IN FULL

R22 Harmful if swallowed.

R43 May cause sensitisation by skin contact.