

REVISION DATE 02.09.2010

# DARRANT CHEMICALS

## SAFETY DATA SHEET ACETONITRILE

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

CAS-NO.	75-05-8
EU INDEX NO.	608-001-00-3
EC (EINECS) NO.	200-835-2
PRODUCT NO.	101229, 303591
SUPPLIER	DARRANT CHEMICALS Unit 1 Witham Point Business Park Wavell Drive Lincoln LN3 4PL

Emergency Contact Number (Office Hours)	01522 521864
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Sds No.	775
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### 2 HAZARDS IDENTIFICATION

CLASSIFICATION (67/548)	F;R11 Xn;R20/21/22 Xi;R36
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CLASSIFICATION (EC 1272/2008)	
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Physical and Chemical Hazards	Flam. Liq. 2 - H225
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Human health	Acute Tox. 4 - H302;Acute Tox. 4 - H312;Acute Tox. 4 - H332;Eye Irrit. 2 - H319
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Environment	Not classified.
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LABEL IN ACCORDANCE WITH (EC) NO. 1272/2008	
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SIGNAL WORD	Danger
HAZARD STATEMENTS	

H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H319	Causes serious eye irritation.

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	H332	Harmful if inhaled.
PRECAUTIONARY STATEMENTS		
	P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
	P280	Wear protective gloves/protective clothing/eye protection/face protection.
SUPPLEMENTARY PRECAUTIONARY STATEMENTS		
	P233	Keep container tightly closed.
	P240	Ground/bond container and receiving equipment.
	P241	Use explosion-proof electrical/ventilating/lighting/.../equipment.
	P242	Use only non-sparking tools.
	P243	Take precautionary measures against static discharge.
	P260	Do not breathe dust/fume/gas/mist/vapours/spray.
	P264	Wash ... thoroughly after handling.
	P270	Do not eat, drink or smoke when using this product.
	P271	Use only outdoors or in a well-ventilated area.
	P301+312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
	P302+352	IF ON SKIN: Wash with plenty of soap and water.
	P303+361+353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
	P304+340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
	P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P310	Immediately call a POISON CENTER or doctor/physician.
	P311	Call a POISON CENTER or doctor/physician.
	P313	Get medical advice/attention.
	P322	Specific measures (see ... on this label).
	P330	Rinse mouth.
	P337	If eye irritation persists:
	P363	Wash contaminated clothing before reuse.
	P370+378	In case of fire: Use ... for extinction.
	P403+235	Store in a well-ventilated place. Keep cool.
	P501	Dispose of contents/container to ...

**3 COMPOSITION/INFORMATION ON INGREDIENTS**

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CAS-NO.	75-05-8

**4 FIRST-AID MEASURES****INHALATION**

Move the exposed person to fresh air at once. Get medical attention.

**INGESTION**

Provide rest, warmth and fresh air. Immediately rinse mouth and drink plenty of water (200-300 ml). Get medical attention if any discomfort continues.

**SKIN CONTACT**

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Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.

**EYE CONTACT**

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention immediately. Continue to rinse.

## 5 FIRE-FIGHTING MEASURES

**EXTINGUISHING MEDIA**

Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

**SPECIFIC HAZARDS**

Oxides of: Carbon. Nitrogen. Sulphur.

**PROTECTIVE MEASURES IN FIRE**

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

## 6 ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS**

Follow precautions for safe handling described in this safety data sheet. Avoid inhalation of spray mist and contact with skin and eyes. Take precautionary measures against static discharges. Provide adequate ventilation.

**ENVIRONMENTAL PRECAUTIONS**

Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

**SPILL CLEAN UP METHODS**

Absorb with inert, damp, non-combustible material, then flush area with water. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

## 7 HANDLING AND STORAGE

**USAGE PRECAUTIONS**

Avoid spilling, skin and eye contact. Keep away from heat, sparks and open flame. Eliminate all sources of ignition. Avoid inhalation of vapours and spray mists. Provide good ventilation.

**STORAGE PRECAUTIONS**

Keep containers tightly closed. Keep in original container. Keep away from heat, sparks and open flame.

**STORAGE CLASS**

Flammable liquid storage.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
		ppm(Sk)	mg/m3(Sk)	ppm(Sk)	mg/m3(Sk)	
ACETONITRILE	WEL	40	68	60	102	
		ppm(Sk)	mg/m3(Sk)	ppm(Sk)	mg/m3(Sk)	

WEL = Workplace Exposure Limit.

**PROTECTIVE EQUIPMENT**



**RESPIRATORY EQUIPMENT**

If ventilation is insufficient, suitable respiratory protection must be provided.

**HAND PROTECTION**

Use protective gloves.

**EYE PROTECTION**

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Wear approved safety goggles.

OTHER PROTECTION

Wear rubber apron. Wear rubber footwear.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid
COLOUR	Colourless.
ODOUR	Pungent.
BOILING POINT (°C)	81.6
MELTING POINT (°C)	-45.7
RELATIVE DENSITY	0.782 @ 20
FLASH POINT (°C)	2
AUTO IGNITION TEMPERATURE (°C)	524
FLAMMABILITY LIMIT - LOWER(%)	4.4
FLAMMABILITY LIMIT - UPPER(%)	16

## 10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions and recommended use.

CONDITIONS TO AVOID

Avoid excessive heat for prolonged periods of time. Avoid heat, flames and other sources of ignition.

MATERIALS TO AVOID

Strong oxidising substances. Strong acids. Strong alkalis.

HAZARDOUS DECOMPOSITION PRODUCTS

Oxides of: Carbon. Nitrogen. Sulphur.

## 11 TOXICOLOGICAL INFORMATION

INHALATION

Harmful by inhalation.

INGESTION

Harmful if swallowed.

SKIN CONTACT

Harmful in contact with skin.

EYE CONTACT

Irritating to eyes.

## 12 ECOLOGICAL INFORMATION

ECOTOXICITY

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. LC 50, 96 Hrs, FISH mg/l 1640

EC 50, 48 Hrs, DAPHNIA, mg/l 3600

## 13 DISPOSAL CONSIDERATIONS

GENERAL INFORMATION

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority. Do not puncture or incinerate even when empty. Rags and the like, moistened with flammable liquids, must be discarded into designated fireproof bucket.

DISPOSAL METHODS

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

**14 TRANSPORT INFORMATION**

UK ROAD CLASS	3
PROPER SHIPPING NAME	ACETONITRILE
UN NO. ROAD	1648
ADR CLASS NO.	3
ADR CLASS	Class 3: Flammable liquids.
ADR PACK GROUP	II
TUNNEL RESTRICTION	(D/E)
CODE	
HAZARD No. (ADR)	33
ADR LABEL NO.	3
HAZCHEM CODE	•2YE
UN NO. SEA	1648
IMDG CLASS	3
IMDG PACK GR.	II
EMS	F-E, S-D
UN NO. AIR	1648
AIR CLASS	3
AIR PACK GR.	II

**15 REGULATORY INFORMATION****EU DIRECTIVES**

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

**STATUTORY INSTRUMENTS**

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

**APPROVED CODE OF PRACTICE**

Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply. DSEAR

**GUIDANCE NOTES**

Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

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**16 OTHER INFORMATION**

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## REVISION COMMENTS

NOTE: Lines within the margin indicate significant changes from the previous revision.

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REV. NO./REPL. SDS 01

GENERATED

SDS NO. 775

## SAFETY DATA SHEET STATUS

Approved.

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SIGNATURE Jitendra Panchal