

## Decosol Power De-icer [AD22P]

AD22P

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

Product Code AD22P

Manufacturer : Selden Research Limited  
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 United Kingdom

Product Name Decosol Power De-icer [AD22P]

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## 2 HAZARDS IDENTIFICATION

R10 Flammable.

Classification R10.

## 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EINICS No.	CAS No.	Content	Classification
ETHANEDIOL	203-473-3	107-21-1	10 - 30%	Xn;R22
METHANOL	200-659-6	67-56-1	1 - 5%	F;R11 T;R23/24/25,R39/23/24/25
PROPAN-2-OL	200-661-7	67-63-0	1 - 5%	F;R11 Xi;R36 R67

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

## 4 FIRST-AID MEASURES

INHALATION	Move the exposed person to fresh air at once., Keep the affected person warm and at rest. Get prompt medical attention.
INGESTION	DO NOT INDUCE VOMITING!, NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS!, Provide fresh air, warmth and rest, preferably in comfortable upright sitting position., Get medical attention immediately!
SKIN CONTACT	Remove affected person from source of contamination., Remove contaminated clothing., Wash the skin immediately with soap and water., Get medical attention promptly if symptoms occur after washing.
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	Fire can be extinguished using:, Alcohol resistant foam., Dry chemicals, sand, dolomite etc.
SPECIAL FIRE FIGHTING PROCEDURES	Use water to keep fire exposed containers cool and disperse vapours., Move container from fire area if it can be done without risk.
UNUSUAL FIRE & EXPLOSION HAZARDS	May travel considerable distance to source of ignition and flash back., May explode when heated or when exposed to flames or sparks.
SPECIFIC HAZARDS	Fire creates:, Toxic gases/vapours/fumes of, Carbon monoxide (CO), Carbon dioxide (CO2).
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	Remove sources of ignition., Provide ventilation and confine spill. Do not allow runoff to sewer., Absorb in vermiculite, dry sand or earth and place into containers., Wash thoroughly after dealing with a spillage.
ENVIRONMENTAL PRECAUTIONS	Do not allow to enter drains, sewers or watercourses.
SPILL CLEAN UP METHODS	Wear protective clothing as described in Section 8 of this safety data sheet.

## 7 HANDLING AND STORAGE

USAGE PRECAUTIONS	Keep away from heat, sparks and open flame., Avoid spilling, skin and eye contact.
USAGE DESCRIPTION	Store in tightly closed original container in a dry, cool and well-ventilated place., Keep away from heat, sparks and open flame.
STORAGE PRECAUTIONS	Flammable liquid storage.
STORAGE CLASS	Empty contents into windscreen washer bottle and dilute with water according to instructions.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT



HAND PROTECTION	Use protective gloves made of:, Nitrile., Rubber (natural, latex).
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.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Clear liquid
COLOUR	Blue
ODOUR	Slight odour of alcohol

BOILING POINT (°C)	> 80
RELATIVE DENSITY	0.96 @ 20 Celcius
pH-VALUE, CONC. SOLUTION	7.0 - 9.0
SOLUBILITY	Soluble in water.
FLASH POINT (°C)	28 CC (Closed cup).

**10 STABILITY AND REACTIVITY**

STABILITY	Stable under normal temperature conditions.
CONDITIONS TO AVOID	Avoid contact with strong oxidisers., Avoid heat, flames and other sources of ignition.
HAZARDOUS DECOMPOSITION PRODUCTS	Fire creates:, Toxic gases/vapours/fumes of:, Carbon monoxide (CO)., Carbon dioxide (CO2).

**11 TOXICOLOGICAL INFORMATION**

INHALATION	Vapour may irritate respiratory system or lungs., Vapour may affect central nervous system and cause headache, discomfort, vomiting or intoxication.
INGESTION	May cause nausea, headache, dizziness and intoxication., May irritate and cause stomach pain, vomiting and diarrhoea.
SKIN CONTACT	Acts as a defatting agent on skin. May cause cracking of skin, and eczema.
EYE CONTACT	Irritation of eyes and mucous membranes.
HEALTH WARNINGS	Acts as a defatting agent on skin. May cause cracking of skin, and eczema., CNS depressant.
MEDICAL SYMPTOMS	Irritation of eyes and mucous membranes., Dilated pupils., Drowsiness, dizziness, disorientation, vertigo., Central nervous system depression., Rhinitis (inflammation of the nasal mucous membranes).

**12 ECOLOGICAL INFORMATION**

ECOTOXICITY	Not classed as Hazardous to the Environment but release to the environment should be avoided.
DEGRADABILITY	The product is easily biodegradable.

**13 DISPOSAL CONSIDERATIONS**

DISPOSAL METHODS	Dispose of waste and residues in accordance with local authority requirements., Do not allow runoff to sewer, waterway or ground.
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**14 TRANSPORT INFORMATION**

## TRANSPORT LABELS



UN NO. ROAD	1170
UK ROAD CLASS	3
UK ROAD PACK GR.	III
ADR CLASS NO.	3
ADR CLASS	Class 3: Flammable liquids.
ADR PACK GROUP	III
PROPER SHIPPING NAME	ETHANOL SOLUTION
UN NO. SEA	1170
IMDG CLASS	3
IMDG PACK GR.	III
MARINE POLLUTANT	No.
UN NO. AIR	1170
AIR CLASS	3
AIR PACK GR.	III

**15 REGULATORY INFORMATION**

RISK PHRASES	R10 Flammable.
SAFETY PHRASES	S2 Keep out of the reach of children, S46 If swallowed, seek medical advice immediately and show this container or label., S51 Use only in well-ventilated areas.
STATUTORY INSTRUMENTS	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**

GENERAL INFORMATION	The following risk phrases relate to the raw materials in the product and not the product itself:-
REVISION DATE	21/06/2011
REV. NO./REPL. SDS GENERATED	3
RISK PHRASES IN FULL	R11 Highly 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.   R11 Highly flammable., R36 Irritating to eyes., R67 Vapours may cause drowsiness and dizziness.   R22 Harmful if swallowed.