

TENNANTS DISTRIBUTION LIMITED

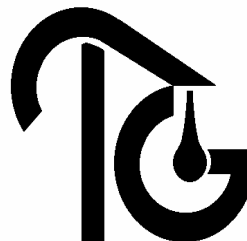
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PRODUCT DATA SHEET

(This booklet incorporates the Specification and M.S.D.S.)

PRODUCT	N,N-DIETHYLACETOACETAMIDE	
CAS NO.	2235-46-3	
TARIFF NO.		
U.N NO.		
EINECS NO.	218-792-3	
IMCO CLASS		
HAZARDS		
SPECIFICATION REFERENCE	DEAA/1	DATE JAN 05
REFERENCE NO.	DEAA/1	DATE JAN 05
PREVIOUS EDITION.		DATE

PRODUCT SPECIFICATION	
Product Name	N,N-Diethylacetoacetamide (DEAA)
Alternative Name	
Product Grade	
SALES SPECIFICATION	
Appearance	Clear Yellow Liquid
Assay	98 – 100.3% (w/w) (titrimetric)
Water	max. 0.30% (w/w) (KF)
Amine, Free	max. 4.00 g/l (titrimetric)
TYPICAL PROPERTIES	
Stability	6 months – Use the product soon after delivery. Product darkens with time
Boiling Point	213 – 218°C
Density	0.993 – 0.997 g/cm ³ (20°C)
Viscosity	6 mPa s (20°C)
Refractive Index	1.470 – 1.473 (20°C)
pH Value	6 – 8 (80 g/l)
Flash Point	101°C (Pensky-Martens c.c. DIN 51758)
NOTES	
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SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product:	N,N-Diethylacetoacetamide (DEAA)		
COMPANY:	TENNANTS DISTRIBUTION LIMITED		
	Hazelbottom Road	Botany Way	
	Cheetham	Purfleet	
	Manchester	Essex	
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	Emergency Tel No.	44(0)844 335 0001 (24 hours)	

2. COMPOSITION/INFORMATION ON INGREDIENTS

Composition	N,N-Diethyl-3-oxobutyramide
CAS No.	2235-46-3
EINECS No.	218-792-3
Concentration	>=98%

3. HAZARDS IDENTIFICATION

Main Hazards	None
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4. FIRST AID MEASURES

First Aid – Eyes	Immediately flush eyes with plenty of water. If eye irritation persists, consult a specialist
First Aid – Skin	Wash with water and soap as a precaution. If skin irritation persists, call a physician
First Aid – Ingestion	Immediately give large quantities of water to drink. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person
First Aid - Inhalation	No special precautions required

5. FIRE FIGHTING MEASURES

Extinguishing Media	Water spray, dry powder, foam
Specific Hazards During Fire	Heating or fire can release toxic gas
Protective Equipment for Fire Fighting	In the event of fire, wear self contained breathing apparatus
Additional Advice	Use water spray to cool unopened containers

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use personal protective equipment
Environmental Precautions	Prevent product from entering drains
Measures For Clean Up	Contain and collect spillage with non combustible absorbent material (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (see Section 13)

7. HANDLING AND STORAGE

Safe Handling Advice	No special precautions required
Protection Against Fire & Explosion	Take precautionary measures against static discharges
Storage	To maintain product quality, do not store in heat or direct sunlight. Keep container tightly closed. Keep in a dry, cool and well ventilated place

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice
Respiratory Protection	No personal respiratory protective equipment normally required
Hand Protection	Rubber gloves
Eye Protection	Safety glasses

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Clear Yellow Liquid
Odour	Amine Like
pH Value	6 – 9 (80 g/l; 20°C)
Melting Point/Range	-73°C
Boiling Point/Range	213 – 218°C
	76°C (0.13 hPa)
Flash Point	closed cup: 101°C Pensky-Martens c.c (DIN 51758)
Ignition Temperature	220°C
Vapour Pressure	1 hPa (50°C)

Bulk Density	0.993 – 0.997 g/cm ³ (20°C)
Water Solubility	Completely miscible
Viscosity, Dynamic	6 mPa.s (20°C)
Relative Vapour Density	5.43
10. STABILITY AND REACTIVITY	
Materials To Avoid	Acids
Hazardous Reactions	Stable under normal conditions
11. TOXICOLOGICAL INFORMATION	
Acute Oral Toxicity	Rat >2000 mg/kg
Skin Irritation	Rabbit: Non irritant 4h
Sensitisation	Guinea Pig: Not sensitising
12. ECOLOGICAL INFORMATION	
No data available	
13. DISPOSAL CONSIDERATIONS	
Waste From Residues	The organic ingredients can be incinerated in a suitable installation when in accordance with local regulations
Contaminated Packaging	Where possible recycling is preferred to disposal or incineration
14. TRANSPORT INFORMATION	
Not regulated	
15. REGULATORY INFORMATION	
Not classified	
16. OTHER INFORMATION	