

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

Page 1/7

R507

Revision 1

	Revision date 2014-10-10
SECTION 1: Identification of	the substance/mixture and of the company/undertaking
1.1. Product identifier	
Product name	R507
1.2. Relevant identified uses of	the substance or mixture and uses advised against
Product Use	[SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [SU19] Building and construction work; [PC16] Heat transfer fluids; [PROC1] Use in closed process, no likelihood of exposure; [ERC7] Industrial use of substances in closed systems; [AC1] Vehicles;
	[SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [SU19] Building and construction work; [PC16] Heat transfer fluids; [PROC1] Use in closed process, no likelihood of exposure; [ERC7] Industrial use of substances in closed systems; [AC2] Machinery, mechanical appliances, electrical/electronic articles;
	[SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [SU19] Building and construction work; [PC16] Heat transfer fluids; [PROC1] Use in closed process, no likelihood of exposure; [ERC7] Industrial use of substances in closed systems; [AC3] Electrical batteries and accumulators;
1.3. Details of the supplier of the	e safety data sheet
Company	A-Gas UK Limited
Address	Banyard Road Portbury West Bristol BS20 7XH United Kingdom
Telephone	[+44] (0) 1275 376600
Fax	[+44] (0) 1275 376601
Email address of the competent person	info.uk@agas.com
1.4. Emergency telephone num	ber
Emergency telephone number	[+44] (0) 1275 376600
	24 hr
SECTION 2: Hazards identif	ication
2.1. Classification of the substa	nce or mixture
Main hazards	No Significant Hazard
2.2. Label elements	
Risk phrases	No Significant Hazard.
2.3. Other hazards	
Other hazards	No data available.

Powered by ChemSoft EH&S

SECTION 3: Composition/information on ingredients

Revision 1
Revision date 2014-10-16

3.2. Mixtures

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
1,1,1-Trifluoroethane		420-46-2	206-996-5		40 - 50%	R10
R125		354-33-6	206-557-8		40 - 50%	

SECTION 4: First aid measures			
4.1. Description of first aid meas	sures		
Inhalation	Move the exposed person to fresh air. If breathing is difficult give oxygen.		
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open.		
Skin contact	Allow to evaporate. Remove contaminated clothing. Rinse immediately with plenty of water for 15 minutes.		
Ingestion	Not applicable.		
4.2. Most important symptoms a	and effects, both acute and delayed		
Inhalation	May cause irritation to respiratory system.		
Eye contact	May cause irritation to eyes.		
Skin contact	May cause irritation to skin.		
Ingestion	Not applicable.		
4.3. Indication of any immediate medical attention and special treatment needed			
Inhalation	Seek medical attention if irritation or symptoms persist.		
Eye contact	Seek medical attention if irritation or symptoms persist.		
Skin contact	Seek medical attention if irritation or symptoms persist.		
Ingestion	Seek medical attention if irritation or symptoms persist.		
SECTION 5: Firefighting mea	asures		
5.1. Extinguishing media			
	Use extinguishing media appropriate to the surrounding fire conditions.		
5.2. Special hazards arising from	n the substance or mixture		
	Heating produces hazardous fumes.		
5.3. Advice for firefighters			
	Wear self contained breathing apparatus and protective clothing.		
SECTION 6: Accidental relea	ase measures		
6.1. Personal precautions, prote	ective equipment and emergency procedures		
	Ensure adequate ventilation of the working area. Evacuate personnel to a safe area. Prevent further spillage if safe. Keep public away from danger area. Keep upwind. Eliminate all sources of ignition.		
6.2. Environmental precautions			
	Avoid release to the environment. Refer to special instructions/Safety data sheets.		
6.3. Methods and material for co	ontainment and cleaning up		
	Do not allow product to enter drains.		
6.4. Reference to other sections	3		
	See section 3, 8, 13 for further information.		



Ensure adequate ventilation of the working area. Keep away from sources of ignition - No smoking.

7.1. Precautions for safe handling

Revision 1
Revision date 2014-10-16

7.1. Precautions for safe handling	na	
iodadiono loi dalo nandin	Keep away from heat. Heating may cause an explosion.	
7.2. Conditions for safe storage		
7.2. Conditions for sale storage		
	Keep in a cool, dry, well ventilated area. Store in original container. Keep away from incompatible materials.	
7.3. Specific end use(s)		
	See section 1.2. Relevant identified uses of the substance or mixture and uses advised against for further information.	
SECTION 8: Exposure contr	ols/personal protection	
8.1. Control parameters		
	See section 8.2 for further information.	
8.2. Exposure controls		
8.2.1. Appropriate engineering controls	Ensure adequate ventilation of the working area.	
8.2.2. Individual protection	Wear protective clothing.	
measures	Wash all contaminated clothing before reuse.	
Eye / face protection	Approved safety goggles.	
	In case of splashing, wear:. Face shield.	
Skin protection -	Wear suitable gloves.	
Handprotection		
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.	
Occupational exposure	Adopt best Manual Handling considerations when handling, carrying and dispensing.	
controls	Keep away from food, drink and animal feedingstuffs.	

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties



Revision 1
Revision date 2014-10-16

9.1. Information on basic physical and chemical properties

Appearance Liquified Gas. Colour Colourless Odour Slight Vapour density 3.43 (Air = 1)1.07 g/cm3 Relative density Initial boiling point -46.7 No data available Flash point **Evaporation rate** No data available Flammability limits No data available Vapour Flammability No data available Vapour pressure No data available No data available Melting point No data available Freezing Point No data available **Fat Solubility** No data available No data available Partition coefficient Autoignition temperature No data available Viscosity No data available **Explosive properties** No data available Oxidising properties No data available Solubility No data available

9.2. Other information

Conductivity
No data available
Surface tension
Gas group
No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

No data is available on this product.

10.2. Chemical stability

Stable under normal conditions. Vapours are heavier than air.

10.3. Possibility of hazardous reactions

No data is available on this product.

10.4. Conditions to avoid

Heat.

10.5. Incompatible materials

No data is available on this product.

10.6. Hazardous decomposition products

No data is available on this product.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

No data available.

11.1.4. Toxicological Information

1,1,1-Trifluoroethane Inhalation Rat LC50/4H h: >54 pph

SECTION 12: Ecological information

12.1. Toxicity



Revision 1
Revision date 2014-10-16

	Revision date 2014-10-16
12.1. Toxicity	
	No data available
12.2. Persistence and degrada	bility
	No data is available on this product.
12.3. Bioaccumulative potentia	
	No data is available on this product.
12.4. Mobility in soil	
	No data is available on this product.
12.5. Results of PBT and vPvB	assessment
	No data is available on this product.
12.6. Other adverse effects	
	No data is available on this product.
SECTION 13: Disposal cons	siderations
13.1. Waste treatment methods	
	Dispose of in compliance with all local and national regulations.
SECTION 14: Transport info	rmation
Hazard pictograms	T
14.1. UN number	,
	UN1078
14.2. UN proper shipping name	
	REFRIGERANT GAS, N.O.S. (Ethane, pentafluoro-, 1,1,1-trifluorethane)
14.3. Transport hazard class(e	s)
ADR/RID	2
Subsidiary risk	-
IMDG	2.2
Subsidiary risk	-
IATA	2.2
Subsidiary risk 14.4. Packing group	-
	<u></u>
Packing group 14.5. Environmental hazards	-
Environmental hazards	No
Marine pollutant	No No
14.6. Special precautions for us	
14.0. Opodiai productiono foi di	No data available.
14.7 Transport in bulk according	ng to Annex II of MARPOL 73/78 and the IBC Code
Transport in built docordin	Not applicable.
ADR/RID	тчот арриоаме.
Hazard ID	20
Tunnel Category	(C/E)
Turiller Category	(O/L)



Revision 1
Revision date 2014-10-16

C S-V	
IATA	
0	
0 kg	
0	
kg	
0	

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulations

COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EC) 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.

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.

15.2. Chemical safety assessment

No data is available on this product.

SECTION 16: Other information

Other information

Davidalas	
Revision	

This document differs from the previous version in the following areas:.

- 1 Description.
- 1 Product Use.
- 7 7.3. Specific end use(s).
- 9 9.1. Information on basic physical and chemical properties (Appearance).
- 9 9.1. Information on basic physical and chemical properties (Colour).
- 9 9.1. Information on basic physical and chemical properties (Odour).
- 9 9.1. Information on basic physical and chemical properties (PH).
- 9 9.1. Information on basic physical and chemical properties (Melting point).
- 9 9.1. Information on basic physical and chemical properties (Flash point).
- 9 9.1. Information on basic physical and chemical properties (Flammability limits).
- 9 9.1. Information on basic physical and chemical properties (Autoignition temperature).
- 9 9.1. Information on basic physical and chemical properties (Explosive properties).
- 9 9.1. Information on basic physical and chemical properties (Oxidising properties).
- 9 9.1. Information on basic physical and chemical properties (Vapour pressure).
- 9 9.1. Information on basic physical and chemical properties (Viscosity).
- 9 9.1. Information on basic physical and chemical properties (Evaporation rate).
- 9 9.1. Information on basic physical and chemical properties (Freezing Point).
- 9 9.1. Information on basic physical and chemical properties (Fat Solubility).
- 9 9.1. Information on basic physical and chemical properties (Solubility).
- 9 9.2. Other information (Conductivity).
- 9 9.2. Other information (Partition coefficient).
- 9 9.2. Other information (Gas group).
- 9 9.2. Other information (Surface tension).
- 12 12.1. Toxicity.



Revision 1 Revision date 2014-10-16

Other information	
Text of risk phrases in Section 3	R10 - Flammable
Further information	
	The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. 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 other process.

