



Material Safety Data Sheet

According to 91/155 EC

Printing date 6/30/2014

Revision date 9/15/2011

Version 3.02

1. Identification of substance

- **Product details**

- **Trade name: CARRIER DK-99**

- **Article number:**

- **SD - No. AD-701-DK99V3**

- **Manufacturer / Supplier:**

A&D (Asia Pacific) Company Limited
Flat D, 13th Floor, Hung Cheung Industrial Center (Phase 2),
10 Tsing Yeung Circuit, Tuen Mun, New Territories,
Hong Kong Tel: (852) 2786 4091 Fax: (852) 2786 4427

- **Informing department: Quality Management Division**

- **Emergency information: 2786 4091**

2. Composition / Data on components:

- Chemical characterization

- Description:

Mixture of the substances listed below harmless additions.

- Dangerous components:

CAS No.	Designation	%	Index	R-phrases
6155-57-3	Sodium saccharine dihydrate	16 - 28	Xn	20

3. Hazards identification

- **Hazard designation** Void

- **Information pertaining to** Void

- **particular dangers for man and environment**

- **Classification system** The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

4. First aid measures

- **General information** No special measures required

- **After inhalation** Supply fresh air; consult doctor in case of symptoms

- **After skin contact.** May cause transient irritation

- **After eye contact** Rinse opened eye for several minutes under running water.

- **After swallowing** In case of persistent symptoms consult doctor.

5. Fire fighting measures

- **Suitable extinguishing agents** CO₂, extinguishing powder or water jet. Fight larger fires with water jet.

- **Protective equipment** No special measures required.
For dust: Filter DN 3181 A 2



Material Safety Data Sheet

According to 91/155 EC

Printing date 6/30/2014

Revision date 9/15/2011

Version 3.02

Trade name: CARRIER DK-99											
6. <u>Accidental release measures</u>											
• Person-related safety precautions	Not required										
• Measures for environmental protection	Dilute with much water										
• Measures for cleaning / collecting	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust) Adsorb with liquid-binding material and dispose at a waste depot or incineration plant, which is especially equipped to handle hazardous waste.										
• Additional information	No dangerous materials are released.										
7. <u>Handling and storage</u>											
• Handling											
• Information for safe handlings	No special measures required. Keep containers tightly sealed.										
• Information about protection against explosions and fires	No special measures required.										
• Storage											
• Requirements to be met by store rooms and containers	No special requirements.										
• Information about storage in one common storage facility	Store away from foodstuffs.										
• Further information about storage conditions	None.										
• Storage class											
• Class according to regulation on inflammable liquids	Void.										
8. <u>Exposure controls and personal protection</u>											
• Additional information about design of technical systems	No further data; see item 7.										
• Components with critical values that require monitoring at the workplace:											
	<table border="1"> <thead> <tr> <th>CAS NO.</th> <th>Designation of material</th> <th>Type</th> <th>Value</th> <th>Unit</th> </tr> </thead> <tbody> <tr> <td colspan="5">The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.</td> </tr> </tbody> </table>	CAS NO.	Designation of material	Type	Value	Unit	The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.				
CAS NO.	Designation of material	Type	Value	Unit							
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.											
• Additional information	The lists that were valid during the compilation were used as basis.										
• Personal protect equipment											
• General protective and hygienic measures	The usual precautions measures should adhered to in handling the chemicals.										
• Breathing equipment	Not required.										
• Protection of hands	Void.										
• Eye protection	Safety glasses recommended during refilling.										
9. <u>Physical and chemical properties:</u>											
• Form	Fluid										
• Colour	Light yellow. According to product specification										



Material Safety Data Sheet
According to 91/155 EC

Printing date 6/30/2014

Revision date 9/15/2011

Version 3.02

Trade name: CARRIER DK-99			
• Smell	odorless		
	<u>Value / Range</u>	<u>Unit</u>	<u>Method</u>
• Change in condition	Not determined		
• Melting point / Melting range	Not determined		
• Boiling point / Boiling range	100 °C		
• Flash point	Not applicable		
• Ignition temperature	Not applicable		
• Self-inflammability	Product is not self-igniting		
• Danger of explosion	Product is not explosive		
• See item 7			
• Steam pressure	at 20 °C	23 mbar	
• Density	at 20 °C	1.1-1.2 g/cm ³	
• Solubility in / Miscibility with	Fully miscible		
• Water			
• pH-value (100 g/l) at 20 °C	4 - 7		
• Solvent content			
• Organic solvents	0.0 %		
• Water	1.0 mixable		
10. <u>Stability and reactivity</u>			
• Thermal decomposition / conditions to be avoided	No decomposition if used according to specifications.		
• Dangerous reactions	No dangerous reactions known.		
• Dangerous products of composition	No dangerous decomposition products known.		
11. <u>Toxicological information</u>			
• Acute toxicity			
• LD/LC50 values that are relevant for classifications			
Components	Type	Value	Species
Sodium saccharine dihydrate	LD50 Oral	500 mg /kg	rat
• Primary irritant effect			
• On the skin	No irritant effect		
• On the eye	No irritant effect		
• Sensitization	No sensitizing effect known		
• Additional toxicological information	The product is not subject to classification according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version: When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.		



Material Safety Data Sheet

According to 91/155 EC

Printing date 6/30/2014

Revision date 9/15/2011
Version 3.02**Trade name: CARRIER DK-99****12. Ecological information**

- **General notes** Water hazard class 1 (Self-assessment):
Slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

13. Disposal considerations

- **Product**
- **Recommendation** Smaller quantities can be disposed with household garbage.
- **Waste disposal key number** 59301
- **Uncleaned packagings**
- **Recommendation**
- **Recommended cleaning agent** Disposal must be made according to official regulations.
Water, if necessary with cleaning agent.

14. Transport information

- Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)
- ADR/RID-GGVS/E Class : -
- Number/Letter: -
- Kemler Number: -
- UN-number -
- Designation of goods: Non dangerous goods
- Maritime transport IMDG/GGVSea:
- IMDG/GGVSea Class : -
- Page: -
- UN Number: -
- Packaging group: -
- EMS Number -
- MFAG: -
- Correct technical name: Non Dangerous Goods
- Air transport ICAO-TI and IATA-DGR:
- ICAO/ITAT Class: -
- UN/ID Number: -
- Packaging group: -
- Correct technical name: Non Dangerous Goods

15. Regulatory information

- **Designation according to EC guidelines:** Observe the normal safety regulations when handling chemicals.
The product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials (GefStoffv).

**Material Safety Data Sheet**
According to 91/155 EC

Printing date 6/30/2014

Revision date 9/15/2011
Version 3.02**Trade name: CARRIER DK-99**

- **National regulations**
- **Classification according to VbF:** Void.
- **Water hazard class:** Water hazard class 1 (Self-assessment) : slight hazardous for water.

16. Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing data specification sheet:** QMS-TD-701-DK99V3
- **Contacts:** Albert Lee