Ident-No: ARADUR HY 2919 BD

Version *1* Print Date 09.11.2007
Revision Date 02.11.2007

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

Product information

Trade name	:	ARADUR HY 2919 BD
Use	:	Component used for the manufacture of electrical insulation parts
Company	:	Huntsman Advanced Materials (Europe)BVBA Everslaan 45 3078 Everberg / Belgium
Telephone	:	+41619661599
Telefax	:	+41619661589
Emergency telephone number	:	+41 61 966 40 00 (in France ORFILA : +33(0)145425959)

For further Product EHS related questions concerning this document or its contents, please contact:
E-Mail: global_product_ehs_admat@huntsman.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature

Accelerated dicarboxylic anhydride preparation

Hazardous components

Chemical Name	CAS-No.	Symbol(s):	R-phrase(s)	Concentration [%]
methyl-tetrahydrophthalic anhydride EC-No.: 247-830-1	26590-20-5	Xn	R41 R42/43	87.00 - 99.00

3. HAZARDS IDENTIFICATION

Risk of serious damage to eyes.
May cause sensitization by inhalation and skin contact.

4. FIRST AID MEASURES

Inhalation	:	Move to fresh air. Oxygen or artificial respiration if needed. Call a physician immediately.
Eye contact	:	Rinse immediately with plenty of water for at least 15 minutes. Call a physician immediately.
Skin contact	:	Wash off with soap and plenty of water. If skin irritation persists, call a physician.
Ingestion	:	Immediately give plenty of water (if possible charcoal slurry).

If a person vomits when lying on his back, place him in the recovery position.
Oxygen or artificial respiration if needed.
Do not induce vomiting.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	:	Water spray. Carbon dioxide (CO2). Foam. Dry powder.
Extinguishing media which must not be used for safety reasons	:	High volume water jet.
Special protective equipment for fire-fighters	:	Wear self-contained breathing apparatus and protective suit.
Further information	:	Burning produces obnoxious and toxic fumes. Carbon oxides.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions	:	Do not allow material to contaminate ground water system. Prevent product from entering drains.
Methods for cleaning up	:	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Handling

Advice on safe handling	:	Provide sufficient air exchange and/or exhaust in work rooms. Handle and open container with care.

Storage

Further information on storage conditions	:	Keep away from food, drink and animal feeding stuffs. Keep container tightly closed. Keep at temperatures between 2 and 40°C.
Storage hazard class Huntsman Advanced Materials	:	Storage class 12, Liquids, not dangerous

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Control parameters	Update	Basis

Personal protective equipment

Respiratory protection : In case of insufficient ventilation wear suitable respiratory equipment.
Filter type AX-P2 (organic vapours, particles)

Eye protection : Tightly fitting safety goggles.
Face-shield.

Hand protection : Material of gloves for long term application (BTT>480 min):
Butyl rubber
Ethyl Vinyl Alcohol Laminate (EVAL)
Material of gloves for short term/splash application (10 min<BTT<480 min):
Nitrile rubber
Use gloves approved to relevant standards e.g. EN 374 (Europe), F739 (US).
Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material and dexterity. Always seek advice from glove suppliers.
Additonal information can be found for instance at www.gisbau.de

Skin and body protection : Protective suit.
Safety shoes.

Protective measures : Keep away from sources of ignition - No smoking.
Avoid contact with skin, eyes and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : liquid

Colour : yellow
brown

Odour : slight

pH : approx.3
at (20 °C)
1:1 in water

Boiling point : > 200 °C

Thermal decomposition : > 200 °C

Flash point	:	165 °C Method: DIN 51758 (Pensky-Martens Closed Cup)
Vapour pressure	:	0.27 Pa at 20 °C
Density	:	1.2 g/cm3 at 25 °C
Water solubility	:	at 20 °C Note: partly soluble
Miscibility with water	:	immiscible

10. STABILITY AND REACTIVITY

Conditions to avoid	:	Note: Take necessary action to avoid static electricity discharge.
Materials to avoid	:	Strong acids and strong bases. Strong oxidizing agents.
Hazardous decomposition products	:	Carbon oxides. Burning produces obnoxious and toxic fumes.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	:	LD50 rat Dose: > 2,500 mg/kg
Eye irritation	:	Risk of serious damage to eyes. rabbit
Skin irritation	:	irritating rabbit dermal
Sensitization	:	sensitizing guinea pig dermal
Sensitization	:	sensitizing human inhalation

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Further information on ecology

Additional ecological information	:	Avoid subsoil penetration. Prevent product from entering drains. Do not contaminate surface water.

13. DISPOSAL CONSIDERATIONS

Product	:	Waste Key Number: 070199 Must be incinerated, when in compliance with local regulations.
Container	:	Empty containers can be landfilled after cleaning, when in compliance with the Environmental Protection (Duty of Care) Regulations 1991.

14. TRANSPORT INFORMATION

Land transport

ADR:

Regulation: Not dangerous goods

RID:

Regulation: Not dangerous goods

Sea transport

IMDG:

Regulation: Not dangerous goods

Air transport

IATA-DGR:

Regulation: Not dangerous goods

15. REGULATORY INFORMATION

Labelling according to EEC Directive

Labelling required

Symbol(s):	:	Xn	Harmful
R-phrase(s)	:	R41 R42/43	Risk of serious damage to eyes. May cause sensitization by inhalation and skin contact.
S-phrase(s)	:	S23 S24	Do not breathe vapour, spray. Avoid contact with skin.

S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37/39	Wear suitable gloves and eye/face protection.

Hazardous components which must be listed on the label : methyl-tetrahydrophthalic anhydride
EC-No.: 247-830-1

National legislation

Notification status

16. OTHER INFORMATION

List of R-phrases (Section 2)

R41	Risk of serious damage to eyes.
R42/43	May cause sensitization by inhalation and skin contact.

The provision of Safety Data Sheets comes under Regulation 6 of CHIP (CHIP is the recognised abbreviation for the Chemicals Hazard Information and Packaging Regulations). This is an addition to the Health and Safety at Work Act 1974.Users of products supplied by Huntsman Advanced Materials should take appropriate measures to ensure working practices are in accordance with the Control of Substances Hazardous to Health Regulations (COSHH).
All information is based on results gained from experience and tests and is believed to be accurate but is given without acceptance of liability for loss or damage attributable to reliance thereon as conditions of use lie outside our control. Users should always carry out sufficient tests to establish the suitability of any products for their intended applications. No statements shall be incorporated in any contract unless expressly agreed in writing nor construed as recommending the use of any product in conflict of any patent. All goods are supplied subject to Huntsman Advanced Materials General Conditions of Sale.