

**Material Safety Data Sheet****PRODUCT NAME: SYNOCURE 867 BA 60**

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Version: 2

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**1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION****Product name:** SYNOCURE 867 BA 60**Synonyms, Trade names:** Acrylic resin**Applications:** Raw material for paints and varnishes**Address:** ARKEMA COATING RESINS MALAYSIA SDN BHD  
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**NCEC Emergency CARECHEM 24: +65-3158-10 74****2. COMPOSITION / INFORMATION ON INGREDIENTS**

Ingredient name	CAS No.:	Content	Symbol	R phrases
n-butyl acetate	123-86-4	40 %	-	R-10, 66, 67

See section 16 for explanations to R phrases.

**3. HAZARDS IDENTIFICATION**

Flammable.  
Repeated exposure may cause skin dryness or cracking.  
Vapors may cause drowsiness and dizziness.  
The mixture of product vapors and air could be explosive.  
Keep away from sources of ignition.

**4. FIRST AID MEASURES****General:** Move the exposed person to fresh air at once  
Get medical attention if any discomfort continues**Inhalation:** Take person out of the contaminated area. Remove patient to fresh air.  
If the patient has difficulties breathing, call a doctor.**Ingestion:** DO NOT INDUCE VOMITING!  
Do NOT make the victim drink milk or fatty fluids.  
If swallowed, seek immediate medical advice and show container or label to the doctor.**Skin:** Remove contaminated clothing.  
Wash the skin immediately with soap and water.  
Get medical attention promptly if symptoms occur after washing.**Eyes:** Promptly wash eyes with plenty of water while lifting the eyelids.  
Continue to rinse for at least 15 minutes and get medical attention.

Never use solvent.  
Contact physician if irritation persists.

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## 5. FIRE FIGHTING MEASURES

**Extinguishing Media:** RECOMMENDED:  
Water spray, fog or mist. Powder, foam or CO<sub>2</sub>.  
NOT SUITABLE:  
Water jet.

**Special fire fighting procedures:**

Treat as hydrocarbon fire.  
In case of fire and/or explosion, do not breathe fumes.  
Cool containers exposed to flames with water until well after the fire is out.  
Keep run-off water out of sewers and water sources.  
Dike for water control.

**Specific hazards:** Forms explosive mixtures with air.

**Hazardous combustion products:**

Toxic gases / vapors / fumes.  
Carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>),

**Protective measures in fire:** Wear individual breathing apparatus.

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## 6. ACCIDENTAL RELEASE MEASURES

**Personal protection:** Refer to protective measures listed in sections 7 and 8.  
Avoid inhaling vapors.

**Environmental protection:** Discharge in sewers is prohibited.  
Do not allow this chemical to enter the environment.  
If the product contaminates lakes, rivers or sewers, inform appropriate authorities in accordance with local regulations.

**Spill cleanup methods:** Absorb in vermiculite, dry sand or earth and place into containers.  
Wear necessary protective equipment.  
Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate.  
Avoid contact with skin or inhalation of spillage, dust or vapor.  
Provide ventilation and confine spill. Do not allow runoff to sewer.  
Do not contaminate water sources or sewer.

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## 7. HANDLING AND STORAGE

**Usage precautions:** Keep away from sources of ignition.  
Take precautionary measures against electrostatic charges.  
Avoid spilling, skin and eye contact.  
Provide shower, eye-baths.  
Ventilate well, avoid breathing vapours  
In case of insufficient ventilation, wear suitable respiratory equipment

**Storage precautions:** Keep away from sources of ignition. Equipment earthing.  
Keep in cool, dry, ventilated storage and closed containers.

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Keep separate from food, feedstuffs, fertilizers and other sensitive materials.

Keep in original container.

**Storage criteria:**

Flammable liquid storage.

PACKING MATERIALS RECOMMENDED:

Metal packaging.

PACKING MATERIALS NOT SUITABLE:

Plastics.

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**8. EXPOSURE CONTROLS AND PERSONAL PROTECTION**

Ingredient name	CAS No.	Std	LT Exp. 8 hrs	ST Exp 15 min
n-butyl acetate	123-86-4	EH 40 (HSE) 2005	150 ppm	200 ppm

**Process conditions:**

Use engineering controls to reduce air contamination to permissible exposure levels.

Provide eyewash station.

**Ventilation:**

Provide adequate general and local exhaust ventilation.

**Respirators:**

Do NOT breathe vapors.

If ventilation is insufficient, wear suitable respiratory protection.

**Protective gloves:**

Nitrile gloves.

**Eye protection:**

Wear approved safety goggles.

**Other protection:**

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapor contact.

**Hygienic work practices:**

DO NOT SMOKE IN WORK AREA!

Do not eat or drink when handling this material.

Wash hand at the end of each work shift and before eating, smoking and using the toilets.

Promptly remove any contaminated clothing.

Remove working clothes after work.

Wash promptly with soap and water if skin becomes contaminated.

Use appropriate skin cream to prevent drying.

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**9. PHYSICAL AND CHEMICAL PROPERTIES****Appearance:**

Liquid.

**Color:**

Colorless

**Odor:**

Organic solvents.

**Physical data comments:**

Take precautionary measures against electrostatic charges.

**Density (g/ml):**

1.02 (Temperature: 20 °C)

**Solubility description:**

Insoluble in water.

Soluble in organic solvents (most).

**Boiling point (°C)**

127 (n-butyl acetate)

**Flash point (°C):**

24 Method: ShCC

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**Auto ignition temp ( °C):** 370  
**Flammability Limit - Lower:** 1.40 vol. % (n-butyl acetate)  
**Flammability Limit - Upper:** 7.50 vol. % (n-butyl acetate)

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## 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal storage conditions.

**Conditions to avoid:** Avoid heat.  
Avoid contact with acids and oxidizing substances.

**Materials to avoid:** Strong oxidizers.  
Strong acids  
Strong alkalis

**Hazardous Decomp. products:**  
By thermal decomposition, formation of flammable and toxic product: Carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>)

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## 11. TOXICOLOGICAL INFORMATION

**Inhalation:** Solvent vapors are hazardous and could cause nausea, sickness and headaches.  
Cause drowsiness, dizziness, disorientation and vertigo.

**Ingestion:** Liquid irritates mucous membranes and may cause abdominal pain if swallowed.

**Skin:** Prolonged or repeated contact leads to skin dryness or cracking.

**Eyes:** Risk of eye irritation.

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## 12. ECOLOGICAL INFORMATION

**Ecological information:** Do not discharge into drains or the environment; dispose to an authorized waste collection point.

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## 13. DISPOSAL CONSIDERATIONS

**Disposal methods:** Dispose to an authorized waste collection point.  
Do not allow runoff to sewer, waterway or ground.  
Dispose of in accordance with local authority requirements.

**Contaminated packaging:** Cleaned packaging may be recycled.

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## 14. TRANSPORT INFORMATION

### Road transport:

UN No. Road: 1866  
ADR Class: 3  
ADR packing group: III

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**HAZARD NO. (ADR):** 30 Flammable liquid (flash point between 23 °C and 61 °C, inclusive) or flammable liquid or solid in the molten state with a flash point above 61 °C, heated to a temperature equal or above its flash point, or self-heating liquid.

**ADR label No:** 3  
**Proper shipping name:** RESIN SOLUTION, flammable  
**Road transport notes:** Emergency action code (UK) – 3Y

**Rail transport:**

**RID class no:** 3

**Sea transport:**

**UN No. sea:** 1866  
**IMDG class:** 3  
**IMDG packing group:** III  
**EMS No:** F-E, S-E  
**Marine pollutant:** P

**Air transport:**

**UN No. air:** 1866  
**IATA/ICAO class:** 3  
**IATA/ICAO packing group:** III

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**15. REGULATORY INFORMATION**

**Risk phrases:** R-10 Flammable  
R-66 Repeated exposure may cause skin dryness or cracking.  
R-67 Vapors may cause drowsiness and dizziness.

**Safety phrases:** S-21 When using do not smoke.  
S-37 Wear suitable gloves.  
S-41 In case of fire and/or explosion, do not breathe fumes  
S-51 Use only in well-ventilated areas.

**Contains:** -

**Symbols:** - Flammable

**EU directives:** Commission directive 2004/73/EC of August 29 2004 adapting to technical progress for the 29<sup>th</sup> time. Council directive 67/548/EEC on the approximation of the laws, regulations and administrative provisions relating to the classification, packaging and labeling of dangerous substances (Official journal L216 – 16/06/2004).  
Dangerous preparations: Directive 1999/45/EC amended by Directive 2001/60/EC – OJEC L226-22/08/2001 and Directive 2006/08/EC OJEC-24/01/2006  
Directive 91/155/EEC amended by directive 93/112/EEC and directive 2001/58/EC: Safety data sheets.

**Malaysia:** Occupational safety and health (classification, packaging and labeling of hazardous chemicals) Regulations 1997.  
Guidelines for the classification of hazardous chemicals, department of occupational safety and health, Ministry of Human Resources, 1997.

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**16. OTHER INFORMATION**

In accordance with the requirements of directive 2001/58/EC, the full text of risk phrases referred to in chapter 2 is stated here:

- R-10 Flammable
- R-66 Repeated exposure may cause skin dryness or cracking.
- R-67 Vapour may cause drowsiness and dizziness.

**User notes:**

This information ONLY applies to this product which conforms to the specification of ARKEMA.

In case of formulations or mixtures, the user must ensure that new hazards are not apparent in line with the above.

The information contained herein is based on our knowledge of the product, at the date of publishing and is given in good faith.

Please note the possible risks involved if this product is used for applications other than those for which it is intended.

This sheet shall only be used and reproduced for Health and Safety purposes.

The references to legislative & regulatory information and codes of practice are not exhaustive.

Other applicable regulations may be considered.

It is the responsibility of the user to refer to existing legislation concerning the use, storage and the safe handling of the product.

It is also the responsibility of the user to communicate ALL information related to the protection of Health, Safety & Environment contained within this Material Safety Data Sheet to those persons involved in the handling of this product.

**Information sources:**

See also technical data sheet.