



Singapore Customs,
55 Newton Road #07-02,
Revenue House
Singapore 307987
Tel No. : 6775 5137
Fax No. : 6775 5946
Email: customs_nacwc@customs.gov.sg

**NA(CWC) LICENCE AMENDMENT APPLICATION
FORM B.4: ADDITION OF NEW CHEMICAL FOR
UNSCHEDULED DISCRETE ORGANIC CHEMICAL**

GENERAL INSTRUCTIONS

- ◆ All relevant forms for this application must be submitted together with the NA(CWC) Licence Application Cover Form.
- ◆ All sections must be completed. Where not applicable, please specify "N.A.". Any incomplete or illegible application will not be accepted.
- ◆ All forms must be duly endorsed with the signature of one of the licence applicants, date and company stamp.
- ◆ A chemical at different concentration / purity should be submitted on separate forms.
- ◆ Please duplicate the form as required
- ◆ This form may take you 10 minutes to fill in. You will need the following information to fill in the form:
 - Details of Unscheduled Discrete Organic Chemical
 - Chemical Reaction involved in the production of the Unscheduled Discrete Organic Chemical
 - Block Diagram of the Process Flow in the production of the Unscheduled Discrete Organic Chemical and its brief description

FORMS	PURPOSE
Form B.4	Addition of New Chemical for Unscheduled Discrete Organic Chemical

FORM B.4: ADDITION OF NEW CHEMICAL FOR UNSCHEDULED DISCRETE ORGANIC CHEMICAL**Details of Unscheduled Discrete Organic Chemical (DOC)**

(All fields are mandatory, unless otherwise indicated. Application with any incomplete fields will not be accepted.)

(1) Name of Chemical:		(2) CAS Registry No.: <i>If not available, please indicate as "n.a."</i>
(3) Chemical Structure:		
(4) Please indicate the type of DOC for this chemical: <i>(Only one box should be indicated.)</i>		
(a) <input type="checkbox"/> Non-PSF containing DOC <i>DOC that <u>does not</u> contain the elements: <u>P</u>hosphorus, <u>S</u>ulfur and/or <u>F</u>luorine</i>		
(b) <input type="checkbox"/> PSF-containing DOC <i>DOC that <u>does</u> contain any one of the elements: <u>P</u>hosphorus, <u>S</u>ulfur and/or <u>F</u>luorine</i>		
(5) Please provide the following confirmation for this chemical: <i>(Please indicate one or more boxes, where applicable.)</i>		
(a) <input type="checkbox"/> It is NOT a polymer or oligomer, whether or not containing Phosphorus, Sulfur or Fluorine.		
(b) <input type="checkbox"/> It is NOT a chemical containing <u>only</u> carbon and metal.		
(c) <input type="checkbox"/> It is NOT an "oxide of carbon" nor a "sulfide of carbon". <i>i.e. It is NOT Carbon monoxide, Carbon dioxide, Carbon disulfide or Carbonyl sulfide.</i>		
(6) Is this chemical a Schedule 1, 2 or 3 chemical? <i>(Only one box should be indicated.)</i>		
(a) <input type="checkbox"/> No		
(b) <input type="checkbox"/> Yes		
(7) Applicant's Signature:	(8) Date (dd/mm/yyyy)	(9) Company Stamp

Please duplicate form as required

FORM B.4: ADDITION OF NEW CHEMICAL FOR UNSCHEDULED DISCRETE ORGANIC CHEMICAL (CONT'D)

(10) Please provide the following details accordingly:

Production

Anticipated Quantity:

Purpose of production:

 The DOC is produced as an intermediate for another chemical.

Please provide the following details:

IUPAC Chemical Name of subsequent chemical: _____

CAS Registry No.: _____

 The DOC is produced as the final product. The DOC is produced for other purposes.

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Please specify the purpose: _____

Will any schedule 1, 2 or 3 Chemicals be used in the production of this chemical? :

 No Yes

Please provide the following details:

Name of Chemical: _____

CAS Registry No.: _____

Type of Schedule: Schedule 1 Schedule 2 Schedule 3

Will any schedule 1, 2 or 3 Chemicals be produced in the production of this chemical? :

 No Yes

Please provide the following details:

Name of Chemical: _____

CAS Registry No.: _____

Type of Schedule: Schedule 1 Schedule 2 Schedule 3Is the produced Scheduled Chemical chemically stable, and therefore exists for a sufficient time to make isolation of the chemical from the manufacturing stream possible?: Yes No**Chemical Reaction Involved in the Production of Chemical***(Please provide the information in separate attachment.)*

Please note the following:

(a) Information on the chemical reaction should be provided in the following manner:

E.g. $\text{Chemical A} + \text{Chemical B} \rightarrow \text{Chemical C} + \text{Chemical D}$
 $\text{Chemical D} \rightarrow \text{Chemical E} + \text{Chemical F}$ (where Chemical F is the DOC in this application)

(b) Please provide the principles employed for the procedure with regards to the production of each DOC.

(c) All chemical structures provided in the reaction procedure must be in its structural formula. Please note that molecular formula will not be accepted.

(d) All chemicals mentioned in the reaction procedure must be provided with its chemical name, preferably in its IUPAC name and if available, the CAS Registry No. Any acronyms used in the reaction procedure must be defined accordingly.

(e) Information pertaining to the reaction parameters, such as temperature and catalyst to be used, are not required to be included in this description.

Block Diagram of the Process Flow for the Production of Chemical

(Please provide the information in separate attachment.)

Please note the following:

- (a) Please provide the name of each plant, if applicable that is involved in the production of the above chemical.
- (b) All chemicals mentioned in the Block Diagram must be provided with its chemical name, preferably in its IUPAC name and if available, the CAS Registry No. Any acronyms used must be defined accordingly.
- (c) Information pertaining to the reaction parameters, such as temperature and catalyst to be used, are not required to be included in the Block Diagram.

(11) Applicant's Signature:

(12) Date (dd/mm/yyyy)

(13) Company Stamp

Please duplicate form as required