



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

NA(CWC) LICENCE APPLICATION

FORM A.4: FOR PRODUCTION OF 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 and date.
- ◆ A chemical at different concentration / purity should be submitted on separate forms.
- ◆ Please duplicate the form as required.
- ◆ This form may take you 20 minutes to fill in. You will need the following information to fill in the form:
 - Details of the Unscheduled Discrete Organic Chemical
 - Details of Product containing the Unscheduled Discrete Organic Chemical
 - MSDS or other necessary documents for the Unscheduled Discrete Organic Chemical

| FORMS | PURPOSE |
|----------|--|
| Form A.4 | For Company / Organization engaging in the Production of Unscheduled Discrete Organic Chemical |

FORM A.4: DETAILS OF UNSCHEDULED DISCRETE ORGANIC CHEMICAL

(1) Name of Chemical:

(2) CAS Registry No.:

If not available, please indicate as "n.a."

(3) Structure of Chemical:

(4) Please indicate the type of DOC for this chemical: *(Only one box should be indicated.)*

(a) Non-PSF containing DOC

DOC that does not contain the elements: Phosphorus, Sulfur and/or Fluorine

(b) PSF-containing DOC

DOC that does contain any one of the elements: Phosphorus, Sulfur and/or Fluorine

(5) Please provide the following confirmation for this chemical: *(May indicate one or more boxes, where applicable.)*

(a) It is NOT a polymer or oligomer, whether or not containing Phosphorus, Sulfur or Fluorine.

(b) It is NOT a chemical containing only carbon and metal.

(c) It is NOT an "oxide of carbon" nor a "sulfide of carbon".

i.e. It is NOT Carbon monoxide, Carbon dioxide, Carbon disulfide or Carbonyl sulfide.

(6) Is this chemical a Schedule 1, 2 or 3 chemical? *(Only one box should be indicated.)*

No

Yes

(7) Applicant's Signature:

(8) Date (dd/mm/yyyy)

Please duplicate form as required.

FORM A.4: ACTIVITY INVOLVING UNSCHEDULED DISCRETE ORGANIC CHEMICAL

(9) 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.

TNE

 The DOC is produced for other purposes.

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 of Scheduled chemical:

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 of Scheduled chemical:

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. Chemical A + Chemical B → Chemical C + Chemical D
Chemical D → Chemical E + Chemical F (where Chemical F is the DOC in this application)

(b) Please provide the principles employed for the procedure with regard 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 procedures 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 procedures 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.

(10) Applicant's Signature:

(11) Date (dd/mm/yyyy)

Please duplicate form as required.