NEMS | CHEMICALS

NEMS Chemicals® is a market leading online service used by the oil & gas and chemical industries for documenting, evaluating and reporting chemicals' environmental properties.

NEMS Chemicals® supports the **HOCNF** format, a de facto standard for ecotoxicological documentation of offshore chemicals.

Example Product 2 - Version 8 - 2022-12-02 ID 7269

OSPAR COMMISSION

OSPAR Recommendation 2010/3 on a Harmonised Offshore Chemical Notification Format (HOCNF)

As amended by OSPAR Recommendation 2014/17, OSPAR Recommendation 2019/03 and OSPAR Recommendation 2021/08

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ANNEX 1

Part 1: General information

1.1 Trade name

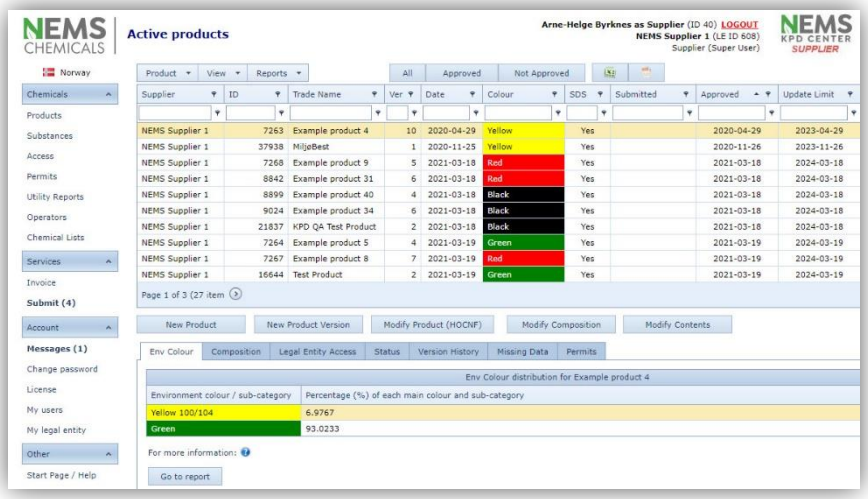
State trade name(s): Example Product 2
Version: 8
Date: 2022-12-02
ID: 7269

1.2 Supplier and background information as regards substance/preparation

Name: NEMS Supplier 1
Company number:
Postal address: P.O. Box 6952
4079 Stavanger
Norway

NEMS Chemicals® is ideal for preparing, storing, distributing and printing HOCNF datasheets. A cost efficient SaaS (Software-as-a-Service) solution, available 24/7 world-wide from our secure web server, is currently used by more than 100 chemical supplier companies all over the globe.

NEMS Chemicals® offers the full package of editing, reporting and management features for producing complete high-quality HOCNFs fast and easy.



NEMS CHEMICALS | Active products

Arne-Helge Byrknes as Supplier (ID 40) LOGOUT
NEMS Supplier 1 (LE ID 608)
Supplier (Super User)
NEMS KPD CENTER SUPPLIER

Norway
Chemicals: Products, Substances, Access, Permits, Utility Reports, Operators, Chemical Lists
Services: Invoice, Submit (4)
Account: Messages (1), Change password, License, My users, My legal entity
Other: Start Page / Help

Product | View | Reports | All | Approved | Not Approved

Supplier	ID	Trade Name	Ver	Date	Colour	SDS	Submitted	Approved	Update Limit
NEMS Supplier 1	7263	Example product 4	10	2020-04-29	Yellow	Yes		2020-04-29	2023-04-29
NEMS Supplier 1	37938	MiljøBest	1	2020-11-25	Yellow	Yes		2020-11-26	2023-11-26
NEMS Supplier 1	7268	Example product 9	5	2021-03-18	Red	Yes		2021-03-18	2024-03-18
NEMS Supplier 1	8842	Example product 31	6	2021-03-18	Red	Yes		2021-03-18	2024-03-18
NEMS Supplier 1	8899	Example product 40	4	2021-03-18	Black	Yes		2021-03-18	2024-03-18
NEMS Supplier 1	9024	Example product 34	6	2021-03-18	Black	Yes		2021-03-18	2024-03-18
NEMS Supplier 1	21837	KPD QA Test Product	2	2021-03-18	Black	Yes		2021-03-18	2024-03-18
NEMS Supplier 1	7264	Example product 5	4	2021-03-19	Green	Yes		2021-03-19	2024-03-19
NEMS Supplier 1	7267	Example product 8	7	2021-03-19	Red	Yes		2021-03-19	2024-03-19
NEMS Supplier 1	16644	Test Product	2	2021-03-19	Green	Yes		2021-03-19	2024-03-19

Page 1 of 3 (27 item)

New Product | New Product Version | Modify Product (HOCNF) | Modify Composition | Modify Contents

Env Colour | Composition | Legal Entity Access | Status | Version History | Missing Data | Permits

Env Colour distribution for Example product 4

Environment colour / sub-category	Percentage (%) of each main colour and sub-category
Yellow 100/104	6.9767
Green	93.0233

For more information:
Go to report

Automatically checks quality, completeness and consistency and calculates environment colour.

NEMS Chemicals® is recommended for supplier companies of all sizes looking to improve, simplify and rationalise chemical management.

- ✓ **Saves time and cost**
- ✓ **Ensures quality and compliance**
- ✓ **Simplifies management**
- ✓ **Ensures confidentiality**
- ✓ **Helps marketing chemicals**
- ✓ **Free registration and support**
- ✓ **Online 24/7**
- ✓ **Free 3 year HOCNF recertification**

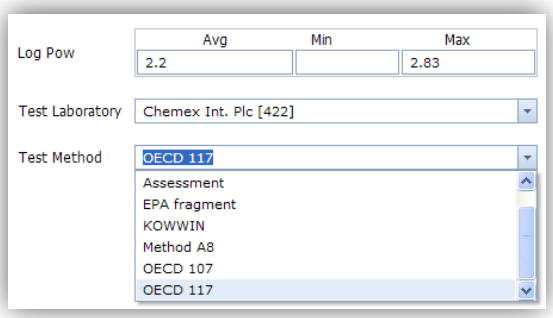
Saves time and cost

NEMS Chemicals® saves time and manpower in HOCNF preparation and updating.

With all related information readily available in one place you don't waste time searching for data in different sources.

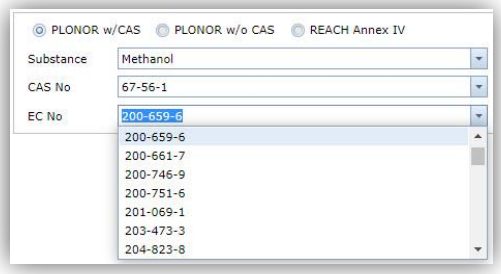
Simply fill in the template and print a complete, fully formatted OSPAR HOCNF document. And take advantage of the free support and training included in the SaaS license package.

Creating HOCNFs is done fast and accurately thanks to specialized menus, drop-down lists and editors tailor-made for each section and ecotox test type. For example when entering bioaccumulation tests, you select test laboratory and test method from lists containing preregistered, relevant and approved items.



The built-in updated PLONOR / REACH substance dropdown lists help determine whether environmental testing is required.

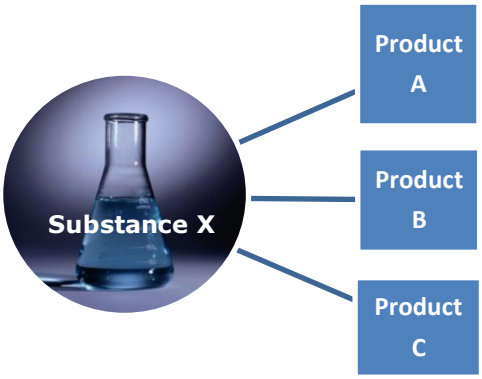
The advanced auto-complete substance editor lets you search and select from lists where correct CAS and EC numbers are automatically filled in. If you type a CAS or EC number you will get a matching substance name without manual typing.



The environment colour calculator, based on the OSPAR pre-screening scheme and fine-tuned to national regulations, saves time and helps you avoid costly mis-calculations. Each substance's environment category is automatically calculated along with aggregated colour percentages on product level and overall product colour.

Env Colour	Env Colour %
Red	4.2
Yellow	19.47
Green	76.34
Yellow subclass 1	8.78

All substances and test studies you register are automatically added to your company's own substance library, from which you may select components for use in any product.



When you update a substance used in multiple products, a new product version is automatically created and the HOCNFs for all dependent products can be updated accordingly.

Another time saver included in NEMS Chemicals® is the *HOCNF Duplicate function*. Copying a complete HOCNF dataset for a product or substance is done with a few mouse clicks. Avoid typing the same information over and over for each similar product. This reduces the risk of inconsistencies and human error.

Ensures quality and compliance

NEMS Chemicals® helps you ensure high data quality and document compliance with regulatory requirements.

The built-in quality and consistency control lets you efficiently check that HOCNFs are complete and formally correct to satisfy regulatory requirements, thereby avoiding unnecessary extra work and delays.

To ensure consistency and compliance with regulations (in Norway defined by the Norwegian Environment Agency, Miljødirektoratet) HOCNFs are submitted by the supplier for quality control at the **NEMS KPD Center** before access is opened for operators.

HOCNFs opened for Norwegian operators can be viewed by the Norwegian Environment Agency (Miljødirektoratet) in addition to the operator companies granted access by the supplier.

Simplifies management

NEMS Chemicals® rationalises and simplifies chemical management by collecting all pertinent information about your HOCNFs in one place.

All information associated with a HOCNF is kept in one database – readily available when a chemical product or substance is selected.

This information includes:

- chemical data, such as product composition and test results
- uploaded documents, such as Safety Data Sheets and certificates
- product version history with HOCNF report and environment colour available
- substance version history with complete summary report
- list of customer companies and users with access
- additional information such as Danish Product Register and Cefas numbers

The extensive database search, filtering and reporting functions included in the software service provide complete overview and control over own products and substances. For example, you may easily generate and print a list of all your products sorted by environment colour, function group, or trade name.

The Help page contains direct links to updated regulations and guidelines.

Ensures Confidentiality, Integrity and Availability

NEMS Chemicals® helps keeping your data secured against unauthorized access. The service is ISO 27001 certified.

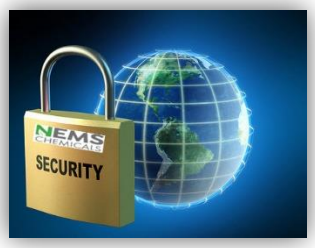
Data access is fully controlled by the supplier. Each company has its own account, totally separated from and invisible to other companies. A supplier company can view own data only. A company can never view another supplier's data unless data is explicitly shared by the owner, following strict procedures.

A supplier Super User assigns own users and controls their access level. Full users can view an entire HOCNF while limited users can view only trade name and environment colour.

The secure, encrypted https protocol for internet access is applied.

Two-factor user authentication (2FA) is applied, where both a password and a one-time PIN code is required for each user login.

All data is safeguarded within a protected database environment. The NEMS Chemicals® database solution gives better control of confidential data, reducing the need to expose sensitive information in emails and printouts.



Instead of residing in email inboxes and various office documents, all data entry and retrieval is done within a protected database where activity and access is logged and monitored.

All users are required to sign non-disclosure agreements prior to login.

SaaS - Online 24/7

NEMS Chemicals® is an online Software as a Service (SaaS) solution accessible worldwide 24/7.

No software download or installation is required. Once your user account is set up you are ready to start creating and printing your HOCNF datasheets.

Helps marketing

NEMS Chemicals® provides a marketplace for reaching targeted customers.

HOCNF (Harmonized Offshore Chemical Notification Format) is a mandatory reporting format in all countries covered by OSPAR: Belgium, Denmark, Finland, France, Germany, Iceland, Ireland, Luxembourg, The Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, United Kingdom.

HOCNF are increasingly used as the most appropriate method to document and control offshore chemicals' environmental properties.

With a NEMS Chemicals® Supplier license your products can be efficiently marketed in a medium daily accessed by users involved in selecting chemicals.

Most major operating oil companies in Norway and Denmark use NEMS Chemicals® as their primary channel for HOCNF and can be granted access to products by suppliers using NEMS Chemicals®:

Norway

- A/S Norske Shell
- Aker BP ASA
- ConocoPhillips Norge Nuf
- DNO Norge AS
- Equinor
- Harbour Energy Norge AS
- Neptune Energy Norge AS
- OKEA ASA
- OMV (Norge) AS
- Repsol Norge AS
- Sval Energi AS
- TotalEnergies EP Norge AS
- Vår Energi AS
- Wintershall DEA

Denmark

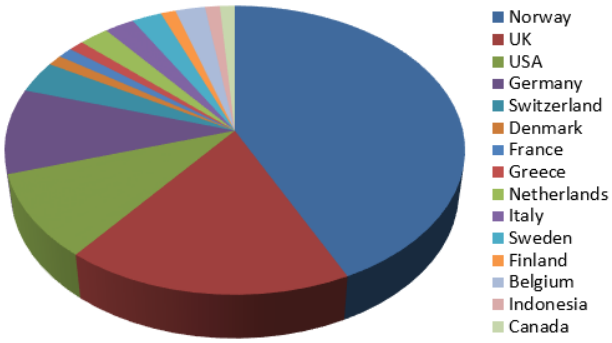
- TotalEnergies EP Danmark A/S
- INEOS E&P A/S

operator list updated 2023-04-13

The NEMS Chemicals® database holds HOCNF data for several thousand chemical products from hundreds of chemical suppliers.

Supplier license community

100+ chemical supplier companies located in 15+ different countries have purchased a **NEMS Chemicals®** Supplier license.



With permission we list a selection below:

AkzoNobel
Baker Hughes
BESTOLIFE PREMIUM COMPOUNDS
CHAMPIONX
DST-CHEMICALS
eurocorpex ltd
FIS
HALLIBURTON
Italmatch Chemicals
MASAVA KEMI
MVEST WATER
NAMTVEDT SEALMAKER SERVICES
NOS
PANOLIN Swiss Oil Technology
PRESSERV
RS Clare
SCALE PROTECTION
SCO SOUTH COAST PRODUCTS
Tech-Trade Process Equipment
THRU TUBING SOLUTIONS
Tracerco Providing Insight Onsite

Reliable services from NEMS KPD Center

NEMS Chemicals® is developed and operated by NEMS AS, a leading consultancy company providing a wide range of services including environmental management and reporting.

- User support is provided by the **NEMS KPD Center**, a competence team with more than 25 years of experience from chemicals environmental documentation and governmental reporting.
- Free user support is included in the NEMS Chemicals® Supplier license.
- We offer environmental management and HOCNF services for chemical suppliers as well as operating oil companies.
- Suppliers wishing to outsource creation and registration of HOCNFs can safely order such services from us at short delivery times and competitive prices.

For more information: https://www.nems.eco/

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