

2 - TOXICITE DU SLICKGONE VIS A VIS DE LA CREVETTE GRISE (CRANGON CRANGON)

2.1. Test de toxicité intrinsèque du dispersant "SLICKGONE" vis à vis de la crevette grise

2.1.1. Provenance du matériel biologique

Microchalutage , baie de Concarneau - La Forêt-Fouesnant.

2.1.2. Sensibilité des crevettes au NORAMIUM DA 50

(Résultats des essais du 16-17 Avril 91)

Mortalité observée après 6 heures d'exploitation, suivies de 24 heures de récupération en eau courante :

NORAMIUM DA 50 (concentrations en mg/l)	Mortalité	%
Témoin	0/30	0,0
20	0/30	0,0
40	0/30	0,0
50	2/30	6,7
60	14/30	46,7
70	15 /30	50,0
80	23/30	76,7
100	26/30	86,7
120	28/30	93,3

- Calcul de la CL50 (méthode des probits)

CL50 = 66,7 mg/l (= LC50 IN ENGLISH)

2.1.3. Toxicité intrinsèque

(essais du 18-19 Avril 91)

- Mortalités observées sur trois cuves après une exposition de 6 heures à une concentration de slickgone égale à 10 fois la CL50 du NORAMIUM DA 50, soit 667 mg/l, suivie de 24 heures de récupération en eau courante.

	Cuve 1	Cuve 2	Cuve 3	Témoin
Mortalité (nb d'ind.)	1/30	6/30	6/30	0/30

- La différence intercuve n'est pas significative au seuil de 10 % (écart maximal tolérable : 5)

- Mortalité moyenne (M1) : 14,4 %

3 - TOXICITE DU SLICKGONE VIS A VIS DES CREVETTES BLANCHES (*Palaemonetes varians*)

3.1. Toxicité intrinsèque du Slickgone

3.1.1. Provenance du matériel biologique

Ets. TYMER, le Croisic

3.1.2. Sensibilité des crevettes au NORAMIUM DA 50.

Résultats des essais du 19-20 Juin 1991. Mortalités observées après une exposition de 6 heures suivie de 24 heures de récupération en eau courante.

Concentration (mg/l)	Mortalité	%
Témoin	0/30	0,0
20	0/30	0,0
40	0/30	0,0
50	1/30	3,3
60	11/30	36,7
70	20/30	66,7
80	27/30	90,0
100	29/30	96,7
120	30/30	100,0

- Calcul de la CL50 (méthode des probits)

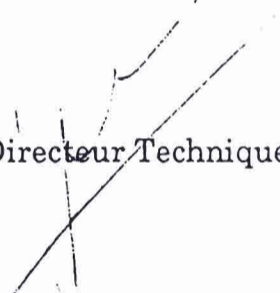
$$CL50 = 54,0 \text{ mg/l } (= LC_{50} \text{ IN ENGLISH})$$

91.993

AGREMENT DES PRODUITS DISPERSANTS

Au vu des résultats des tests prévus par la procédure d'agrément en vigueur (Cf. document CEDRE N° 87.313-1 et 2), le produit dispersant **DASIC SLICKGONE NS**, est agréé pour une utilisation en mer dans le cadre de la lutte contre les pollutions par produits pétroliers.

Fait à BREST, le 31 octobre 1991


Le Directeur Technique,

Jean SPARFEL



MUSÉUM NATIONAL D'HISTOIRE NATURELLE
LABORATOIRE DE CRYPTOLOGIE
12, RUE DE BUFFON — 75005 PARIS

LABORATOIRE ASSOCIÉ AU CNRS N° 257
DÉPARTEMENT DE LA PROTECTION
DES MATÉRIAUX

Tél.: ~~707.08.64~~ 40.79.32.07/08

17 January 1991

Mr J.L. BELK, Technical Director
DASIC INTERNATIONAL LTD
Winchester Hill, Romsey
Hampshire SO51 7YD
ENGLAND

Dear Mr Belk,

You will find here enclosed the results of the test of the dispersant
DASIC SLICKGONE NS. As you will see, it does not inhibit the biodegra-
dability of crude oil.

The price for testing is 10 000 Francs. The payment is to be made to
CNEP, as indicated on the invoice enclosed.

Yours sincerely,



J. OUDOT



SAN-DAN
AGENCIES
CONSULTING SERVICES
P.O.Box 26 SHAVEI ZION 25227 ISRAEL
E-mail : san_dan@nctvision.net.il

Tel' 972-4-9825802

Fax' 972-4-9825446

FAX MESSAGE

TO : Mr. Steve Thomas, Director
COMPANY: DASIC International Ltd.
FROM : Dan Arbel

DATE : October 19, 1998
FAX : +44-1794-522346

3 page(s) sent, including this page

Dear Mr. Thomas,

Thank you for your reply.

Enclosed is the letter from the MoE, signed by the General Manager of this Ministry.

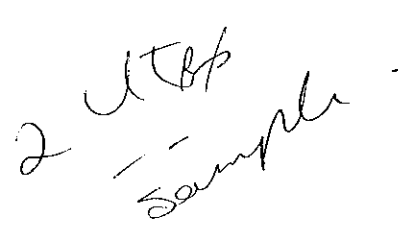
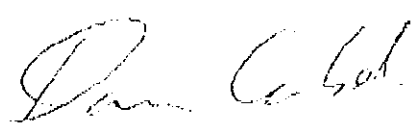
As you can see (not read...) the SLICKGONE has been added to the approved products. The letter is addressed to SAN-DAN and the content explains that based of the approvals submitted and within the power of the regulation etc., the approval is granted.

As to your question on the sample size, 2 liters will do.

Once a drum is opened and than closed, will the shelf life decrease by much?

I'll be looking forward to your reply.

Best regards,



**HZN ASSOCIATES (M) SDN BHD**

(Co. No: 295194-P)

TELEFAX

To :	Mr Stephen Thomas, Director Dasic International Ltd	Fax no :	00-44-1794-522346
From :	Dato' Mahfoz Hamid	Our ref :	322/2000
Date :	July 19, 2000	Total pages including this :	2

Dear Steve,

UPDATE ON DASIC SLICKGONE NS IN MALAYSIA

Just to give you an update of Slickgone development in Malaysia :-

Test by Fisheries Research Institute

The test has been conducted and the report has been forwarded to DOE. A copy of the translated copy of the report is attached herewith for your reference.

We are waiting the letter of approval for DOE.

Petronas LicenceWe have obtained Petronas approval ^{for} ~~to~~ Slickgone to be included in our licence.**Marketing Effort**

We are now moving ahead to market Slickgone NS and would be grateful if you could forward more product brochures once it is ready.

Best regards,

DATO' MAHFOZ HAMIDNo. 5, Jalan SS19/6C, 47500 Subang Jaya, Selangor Darul Ehsan, Malaysia.
Tel: 03-7312787, 7315787, 7356787, 7367470 Fax: 03-7361989



DASIC INTERNATIONAL LTD.
Winchester Hill, Romsey
Hampshire SO51 7YD
ENGLAND

22 MAY 1992
443601730

Your ref.

JLB:af

Our ref.

92/4880-2 OAF
553.073/5

Date

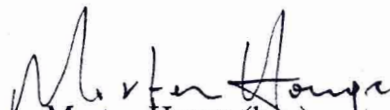
20.05.92


APPROVAL OF DASIC SLICKGONE NS AS A DISPERSANT IN NORWAY

We refer to your letter from 12 May 1992 concerning approval of Dasic Slickgone NS.

We find that the dispersant meets the requirements in the present Norwegian regulations and can therefore be approved for use in Norwegian waters. Please notice that all approvals of dispersants are given on a temporarily basis, since a revision of the regulations is under consideration. The Norwegian State Pollution Control Authority can, whenever found necessary, require new tests performed for the product to be maintained on the list of approved dispersants.

Yours sincerely


Morten Hauge (b.a.)



Odd-Arne Follum

Enclosure: List of approved dispersants

APPROVED DISPERSANTS

Concentrates

Amoco wellaid
Arrow Emulsol Concentrate
BP Enersperse 1037
Correxit 9527
Correxit 9600
Dasic Slickgone NS
Dasic Slickgone LTE
Dasic Slickgone LTS
Dispolene 36 S
Finasol OSR 5
Finasol OSR 7
Gamlen OD 2000
Gamlen OD 4000
OSD 41
Penkem PK-3305
R-OD 1
Slix-Treat

Hydrocarbon based

Ameroid Oil Spill Dispersant
Emulsol LW
Finasol OSR 4
Finasol OSR 12
Hexaprote 6.141
Servo CD 2000
Oilex 3225
Rochem Oil Spill Remover
Shell Dispersant K-1
Statoil oljedispergeringsmiddel L



HUKBONG DAGAT NG PILIPINAS
PUNONGHIMPILAN TANOD BAYBAYIN NG PILIPINAS
HEADQUARTER PHILIPPINE COAST GUARD
25TH STREET, PORT AREA
MANILA

COAST GUARD CERTIFICATE

PCG-93-0010
NUMBER

This Certificate is issued to
NS BASIC SLICKGONE OIL DISPERSANT

Distributed by:

MANILA MACHINERY & SUPPLY COMPANY, INC.

whose business address is

7457 BAGTIKAN STREET, SAN ANTONIO

VILLAGE MAKATI, METRO MANILA

upon completion of all requirements for

ACCREDITATION OF OIL DISPERSANT

Issued this **1st** day of **November 1993**

pursuant to Republic Act 5173, the Philippine

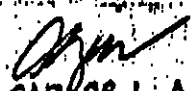
Merchant Marine Rules and Regulations and

pertinent regulations:

HPCG MEMO-CIRCULAR 02-80 AS AMENDED BY MEMO-CIRCULAR 02-80-A DATED 01 JUNE 1982

This certificate unless cancelled, suspended,

or revoked shall continue in effect until **2nd November, 1998.**


CARLOS L. AGUSTIN
COMMODORE AFP
COMMANDANT, PCG

NOT VALID WITHOUT OFFICIAL SEAL



in the Name of GOD the Compassionate, the Merciful

**REGIONAL ORGANIZATION
FOR THE PROTECTION OF
THE MARINE ENVIRONMENT
KUWAIT**

Date: 11 September 2008
Ref: 376/2008

TO WHOM IT MAY CONCERN

This is to certify that "DASIC SLICKGONE NS" is on the "ROPME List of Approved Oil Spill Chemicals" for usage in the ROPME Sea Area as a Type 2/3 Oil Dispersant.

H. Mohammadi

Dr. Hassan Mohammadi
Coordinator of ROPME





SHELL COMPANIES IN SINGAPORE
FACSIMILE SERVICE
MARINE DEPARTMENT PULAU BUKOM
FOR REPLY - PLEASE DIAL (065) 2634199

TO : MARITIME ENVIRONMENT & HAZARDOUS CARGO DEPT., M. P. A.	FROM : GARY NG
ATTN : MR. TONY CHEE	TEL NO: 2634151 FAX: 2634199
FAX NO: 3252429	PAGE(S) : ONE + TWO
SUBJECT :	OUR REF :
C.C.: CAPT. NANDA KUMAR	YOUR REF:
C.C.: MR. STEPHEN J. THOMAS FAX: 9/012/44/1794/522346 (U.K.)	DATE: 10TH MARCH 1999

VERY URGENT URGENT X ROUTINE

MESSAGE: DISPERSANTS DASIC SLICKGONE NS AND LTSW

Dear Sir,

As per our telecon of today (10 March 1999), please find attached two pages of test results from CHEMICAL LABORATORY (SINGAPORE) PTE LTD.

As advised by CHEMLAB, the dispersant samples were found to comply with the Specifications Of Dispersant listed in the First Schedule Of The Prevention Of Pollution Of The Sea (Detergents and Equipment) Regulations.

Grateful if you could include Dasic Slickgone NS and LTSW in the Approved List Of Dispersants. Thank you.

Regards,



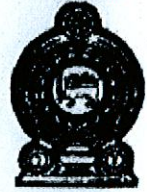
සමුද්‍රීය පරිසර ආරක්ෂණ අධිකාරිය

(පරිසර අභ්‍යන්තරය)

கடல்சார் சூழல் பாதுகாப்பு அதிகாரஸபை

(கற்றாடல் அமைச்சர்)

MARINE ENVIRONMENT PROTECTION AUTHORITY
(Ministry of Environment)



මහල : 756, පදනම මාවත, වෙස්ටර්න් පාර, කොළඹ 09. / இல : 756, 2^{ம்} மாளிகை, மேல்மேல் வீதி, கொழும்பு 09 / No. 756, 2nd Floor, Baseline Road, Colombo 09.
Tel: (+94 11) 2687520 / 2680604 / 2690005 Fax: 2687451 / 4615960 E-mail: info@mpps.gov.lk

මගේ අංකය
எனது எண்
My No.

06/MEPA/Oil Ex/2010 vol 2

ඔබේ අංකය
உமது எண்
Your No.

දිනය
திகதி
Date

06.07.2011

Ms. Preeni Withanage
Director Benefits
PRDS


Carin Lanka Exploration Project- Use of Oil Dispersent in Sri Lankan Waters

Reference: Your letter No PRDS/01/03/23 dated 26.05.2011

1. On the advice of National Aquatic Resources Research and Development Agency (NARA) I am pleased to approve dispersant type SLICKGONE NS for use within Mannar basin in the event of an oil spill subject to following restrictions.

- a) Dispersant may be used in areas beyond 20m depth of water
- b) Dispersant should not be used in close proximity to following sensitive areas
 - i. Near the water in takes to power stations, de-salination plants and processing plants
 - ii. Salt marshes
 - iii. Coral reefs
 - iv. Shellfish beds
 - v. Fish hatcheries
 - vi. In any stagnant waters without good dilution factor
- c) User guide and any safety instructions stipulated by the manufacture to be strictly adhered.

2. In the event of use of the dispersant same should be informed immediately to this authority.


Rear Admiral S R Samarathunga RSP,VSV,USP
General Manager

**Approval for the use of substances produced for the purpose of
treating oil on the surface of the sea under the provisions of the
Food and Environment Protection Act 1985 - Part II**

Marine Environment Team, Marine and Fisheries Agency, 3-8 Whitehall Place, London SW1A 2HH
Tel: 020 7270 8644 | Fax: 020 7270 8708 | email: dispersants@mfa.gsi.gov.uk

Name and address of Approval Holder	Mr John Belk Dasic International Ltd Winchester Hill Romsey Hampshire
Postcode	SO51 7YD

The Secretary of State for Environment, Food and Rural Affairs (hereinafter referred to as "the Licensing Authority") in exercise of the power conferred by Paragraph 21 of the Schedule to the Deposits in the Sea (Exemptions) Order 1985 approves the use of:

SLICKGONE NS	the product
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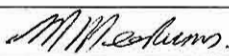
as a Type 2/3 Oil Dispersant

within United Kingdom controlled waters (other than waters adjacent to Scotland and Northern Ireland).

This approval shall remain in force for a period of 5 years

from the date given below subject to the following conditions:

1. The Product shall not be used except as stated at the time of application for approval, or in accordance with any subsequent instructions issued by the Manufacturer or Approval Holder and approved by the Licensing Authority;
2. only the product label provided by the Approval Holder and accepted by the Licensing Authority shall be used on supplies of the Product marketed in the United Kingdom;
3. the Approval Holder shall not change the composition of the Product, or the source of its raw material from that given in the application for approval without the prior notification to and the agreement of the Licensing Authority. If any change in any respect is made without the agreement of the Licensing Authority the Product must be withdrawn from use. In such cases the agreement of the Licensing Authority must be obtained before the Product is put back into use;
4. any changes to the name and address details must also be brought to the attention of the Marine and Fisheries Agency.

Signature  Date 3 March 2008

Michael Meekums

Marine Environment Team
Marine and Fisheries Agency
for and on behalf of the Licensing Authority



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

FEB 22 1988

OFFICE OF
SOLID WASTE AND EMERGENCY RESPONSE

Mr. John L. Belk
Technical Director
DASIC International, Ltd.
Winchester Hill - Romsey
Hampshire SO51 7YD England, U.K.

Dear Mr. Belk:

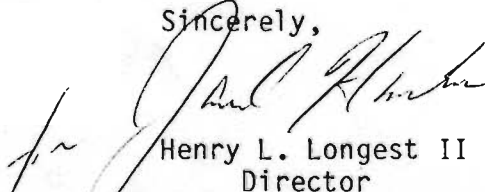
You are hereby notified that the technical product data submission on the dispersing agent "Slickgone NS" has been received by the U.S. Environmental Protection Agency (EPA) and satisfies the data submission requirements contained in Section 300.86 of Subpart H of the National Contingency Plan (NCP), as amended July 18, 1984. In accordance with the provisions in Section 300.83, the technical product data will be maintained on file by the Emergency Response Division. Finally, pursuant to Section 300.86, we will be listing "Slickgone NS" on the NCP Product Schedule under dispersants. The On-Scene-Coordinator may authorize the use of the dispersing agent on releases of oil into navigable waters on a case-by-case basis.

The listing of "Slickgone NS" on the NCP Product Schedule does not constitute approval, certification, authorization, licensing or promotion of the product; nor does it imply compliance with any criteria or minimum standards for such agents. Therefore, to avoid possible misinterpretation or misrepresentation, any label, advertisement, or technical literature that refers to the placement of the product on the NCP Product Schedule must either reproduce in its entirety this letter of notification, or include the disclaimer provided in Section 300.86(e) of Subpart H. Failure to comply with these restrictions or any improper reference to EPA in an attempt to demonstrate approval or acceptance of the product will constitute grounds for removal of the product from the schedule.

You are required to notify EPA of any changes in composition or in the formulation or handling procedures for your product. On the basis of this notice, EPA may require retesting of the product.

If you have any questions concerning this letter, please contact Dr. K. Jack Kooyoomjian of my staff on (202) 382-2190.

Sincerely,


Henry L. Longest II
Director

Office of Emergency and Remedial Response

