



SECRETARIAT  
COMPETENT NATIONAL AUTHORITY  
(OIL AND CHEMICAL SPILL RESPONSE)

भारतीय तटरक्षक/INDIAN COAST GUARD

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CNA/0761/OSD

**Chairman NOS-DCP Circular No: 01/2019**

29 Apr 19

**Subject: Use of Chemical OSD/Bioremediation during PR Operations**

1. Internationally, Chemical Dispersant as primary means and Bioremediation as secondary means is being utilised as a Response Mechanism during a Pollution Response Operation. Indian Coast Guard has been mandated as the Competent National Authority is responsible for issuing guidelines and approving of chemical OSD/ Bioremediation for use in Indian waters.

2. Taking cognizance for the need to preserve and protect the sensitive marine ecosystem along the Indian coast, a board of officers was constituted vide CGHQ Office Order 13/18 dated 12 Oct 18 to formulate provisions for use of chemical OSD.

3. The board in its report recommended different toxicity chemical OSD to be used in various Maritime Zones of India, the details are as follows:-

(a) **Dispersant in Type-II form** (Toxicity limits tested for 96 hours, LC50 test method)

- (i) Coastline upto 12 nm:  $\geq 10,000$  ppm
- (ii) 12 nm upto 24 nm:  $< 10,000$  to  $\geq 5,000$  ppm
- (iii) 24 nm and beyond:  $< 5,000$  ppm

(b) **Dispersant in Type-III form** (Toxicity limits tested for 96 hours, LC50 test method)

- (i) Coastline upto 12 nm:  $\geq 5,000$  ppm
- (ii) 12 nm upto 24 nm:  $< 5,000$  to  $\geq 1,500$  ppm
- (iii) 24 nm and beyond:  $< 1,500$  ppm

4. The details of approved chemical OSD/ Bioremediation authorized for use in Indian waters is placed at Annexure 1.

5. All stakeholders are to stock up chemical OSD as mentioned at para 3 above depending upon their area of operation. **The stock of chemical OSD presently held with the stakeholder is not to be disposed of till its expiry** and the new stock is to be procured as per para 3 above. The details of present stock held are to be intimated to CNA Secretariat by 31 May 19, so as to, coordinate with all stakeholders for use of appropriate chemical OSD as mentioned at para 3 above.
6. All stocking up/ disposal/ usage of chemical OSDs/bioremediation from the date of issue of the circular are to be intimated to CNA Secretariat on email id [cna.india@indiancoastguard.nic.in](mailto:cna.india@indiancoastguard.nic.in) for updating of national database of chemical OSD/Bioremediation stock as per the format placed at Annexure 2.
7. All the chemical OSD/Bioremediation are to be stored in a sheltered environment with adequate air circulation, so as to maintain temperature in the warehouse and 04 hourly record of temperature to be maintained for ensuring better efficacy of the chemical OSD/Bioremediation during the entire life cycle.
8. **All chemical OSDs on expiry are to be disposed off through Pollution Control Board authorized vendors and certificate of disposal is to be forwarded to CNA secretariat for records.**
9. This is issued with the approval of the Director General Indian Coast Guard.

(Bhim Singh Kothari)  
Commandant

**Copy to:-**

**JS(Ports)/MoS**

**JS(Sagarmala)/MoS**

**JS(Exploration)/MoPNG**

} with a request for early compliance by Ports and Oil Handling Agencies

**JS(Navy)/MoD:** for information please

**Annexure 1 to Chairman  
NOS-DCP Circular: 01/09**

**Chemical Oil Spill Dispersants/Bioremediation Agent approved for use in Indian waters  
– Appendix S2.Rev.2 to NOS-DCP 2015**

Product name	Product nature and type	Approved use in Type II form	Approved use in Type III form	Contact Points
Nova 4G	Chemical Dispersant – 2/3	12 nm and beyond	24 nm and beyond	Nova Chemicals Office No. 6, 4 <sup>th</sup> Floor, Hatim Manzil, (Old Sai Bhuvan), 141, Shamal Das Gandhi Marg, Princess Street, Lohar Chawal, Mumbai 400 002 Email: <a href="mailto:solutions@novachemicals.in">solutions@novachemicals.in</a>
Spilcare – ADT	Chemical Dispersant – 2/3	Coastline and beyond	Coastline and beyond	Spilcare-O Metaclen Pvt Ltd 128/12, Emerald Apartments Anna Nagar West Extension Thirumangalam, Chennai 600 040 Email: <a href="mailto:sales@spilcare.com">sales@spilcare.com</a>
FINASOL OSR 52	Chemical Dispersant – 2/3	24 nm and beyond	24 nm and beyond	Total Oil India Pvt Ltd 3 <sup>rd</sup> Floor, The Leela Galleria Andheri-Kurla Road Andheri(East), Mumbai 400 059 Email: <a href="mailto:MS-IN.totalindia@total.com">MS-IN.totalindia@total.com</a>
Swach Plus	Bioremediation Agent (Biosimulation) - 2	Shoreline, Rocky area and Sea	--	Bint Biotech Pvt. Ltd., New Delhi Email: <a href="mailto:kbinu@bintbiotech.com">kbinu@bintbiotech.com</a>
Slickgone NS	Chemical Dispersant – 2/3	24 nm and beyond	24 nm and beyond	Dasic International Ltd Winchester Hill, Romsey Hampshire, S051 7YD United Kingdom Email: <a href="mailto:info@dasicinter.com">info@dasicinter.com</a>
Rochem	Chemical Dispersant – 2/3	24 nm and beyond	24 nm and beyond	Rochem India Pvt Ltd 101, HDIL Tower Anant Kanekar Marg Bandra (East), Mumbai 400 051 Email: <a href="mailto:ro_chem@rochemindia.com">ro_chem@rochemindia.com</a>
Sunchem	Chemical Dispersant – 2/3	12 nm and beyond	24 nm and beyond	M/s Sunchem Industries 302, Katchhi Memon Bldg. 272, Narshi Natha Street Masjid Bunder, Mumbai 400 009 Email: <a href="mailto:sunchem_ind@mtnl.net.in">sunchem_ind@mtnl.net.in</a>
Kemex Nex-Gen	Chemical Dispersant – 2/3	12 nm and beyond	12 nm and beyond	B – 6, Bonanza Indl. Est., Ashok Chakrawarti Road, Kandivali (E), Mumbai – 400 101 Email: <a href="mailto:info@kemexinternational.com">info@kemexinternational.com</a>

**Annexure 2 to Chairman  
NOS-DCP Circular: 01/09**

**Details of stocking up/ disposal/ usage of chemical OSD/Bioremediation Agent**

**Stocking up - Chemical OSD**

Name of the stakeholder	Stakeholder operational area (Coastline upto 12nm/ 12 nm upto 24 nm/ 24 nm and beyond)	Quantity of chemical OSD purchased	Supplier's details

**Disposal - Chemical OSD**

Name of the stakeholder	Quantity of expired chemical OSD	Supplier's details	Disposal agency details

**Usage - Chemical OSD**

Name of the stakeholder	Area of application of chemical OSD (Coastline upto 12nm/ 12 nm upto 24 nm/ 24 nm and beyond)	Quantity of chemical OSD applied	Supplier's details

**Stocking up - Bioremediation Agent**

Name of the stakeholder	Stakeholder operational area (Coastline upto 12nm/ 12 nm upto 24 nm/ 24 nm and beyond)	Quantity of Bioremediation purchased	Supplier's details

**Disposal – Bioremediation Agent**

Name of the stakeholder	Quantity of expired Bioremediation	Supplier's details	Disposal details

**Usage – Bioremediation Agent**

Name of the stakeholder	Area of application of chemical OSD (Shoreline, Rocky area and Sea)	Quantity of chemical OSD applied	Supplier's details