

RSPA-97-3183-3

Stolt-Nielsen Inc.

Tank Container Division
A Subsidiary of
Stolt Tankers and
Terminals (Holdings) S.A.

15602 Jacintoport Blvd.
P.O. Box 96438
Houston, Texas 77213-6438

Tel: (713) 457-1080
Fax: (713) 457-4900



DATE: 11/11/97

DEPARTMENT OF TRANSPORTATION
98 JAN 14 AM 10:19
DOCKET SECTION

COVER SHEET

PANAFAX UF-620 - (713) 457-4903

URGENT

TO: NATHAN ROOT FAX NO. 202 36 8842

COMPANY: NOT - MOTOR CARRIER CITY/STATE: WA D.C.

FROM: JOHN CARLO TELEPHONE: 281 57 8886

NUMBER OF PAGES (INCLUDING THIS COVER SHEET): 7

COMMENTS: NATHAN, PLEASE FIND MSDS/COEA FOR PRODUCT
PER OUR TELECON.

TEST DATE ON TANK IN QUESTION IS
TESTED 2/97, NEXT TEST DUE 8/99

REF: A.H. MARKS REGARDS
EMERGENCY EXEMPTION APPLICATION John Carlo



Stolt-Nielsen, shipowners for one hundred years 1891-1991

AHMARKS

Safety Data Sheet

SDS NO. S094 ISSUE NO: 0 0 5 ISSUE DATE: 19.01.97

SECTION 1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

PRODUCT NAME: DNBP/EB 70130% w/w

CHEMICAL NAME: 6-sec-butyl-2,4-dinitrophenol / Ethyl benzene

AH MARKS & COMPANY LIMITED TEL: +44 (0)1274 69 1234
 WYKE LANE FAX: +44 (0)1 274691176
 BRADFORD TELEX: 51653 MARKS G
 MST YORKSHIRE, BD12 9EJ
 UNITED KINGDOM

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CONCENTRATION	CLASSIFICATION	RISK PHRASES	S NO.
DNBP	50-70% w/w	T: Tera Car 2. Xi	R61/62, 44, 36, 24/25	8 35-7
EB	so-30% w/w	F, Xn	R11, R20	D 0100-41-4

SECTION 3 - HAZARD IDENTIFICATION

Toxic. May be absorbed through the skin. Irritant, Class 2 Teratogen, Flammable

SECTION 4 - FIRST AID MEASURES

INHALATION:
 Remove from exposure. If unconscious, secure airway and place in the recovery position. If not breathing give artificial respiration. If heartbeat absent give external cardiac compression, if there is difficulty breathing or cough keep patient at rest in a position of maximum comfort. If there is cyanosis (blueness of the lips) administer oxygen by face mask. Send promptly to hospital.

SKIN CONTACT:
 Prompt action is imponanr as material is absorbed Through the skin. Remove all contaminated clothing. Wash immediately with plenty of clean, gently flowing water, using soap if available. Send promptly to hospital.

EYE CONTACT:
 Wash immediately with plenty of clean, gently flowing water for at least 10 minutes. Take care not to wash chemical from one eye into the other. Send promptly Co hospital.

INGESTION:
 Check breathing arid heartbeat and give cardiac massage and / or artificial respiration if necessary. If patient is conscious permit the drinking of water. Send promptly to hospital.

MEDICAL TREATMENT:
 Treat symptomatically. Monitor for systemic effect on other organs: support and treat.

AHMARKS

... Safety Data Sheet

SDS NO. 5094		ISSUE NO: 0 0 5	ISSUE DATE: 79.01 5
SECTION 1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY			
PRODUCT NAME: DNBP/EB 70/30% w/w			
CHEMICAL NAME: 6-sec-butyl-2,4-dinitrophenol / Ethyl benzene			
A H MARKS & COMPANY LIMITED WYKE LANE BRADFORD WEST YORKSHIRE. BD12 9EJ UNITED KINGDOM		TEL: +44 (0)1 274 69 1234 FAX; +44 (0)1 274691176 TELEX: 51653 MARKS G	
SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS			
INGREDIENT	CONCENTRATION	CLASSIFICATION	RISK PHRASES CAS NO.
DNBP	50-70% w/w	T: Tera Cat 2, Xi	R61/62,44,36,24/25 44-85-7
EB	30-30% w/w	F. Xn	R11,R20 00100-61-4
SECTION 3 - HAZARD IDENTIFICATION			
Toxic. May be absorbed through the skin. Irritant.. Class 2 Teratogen. Flammable			
SECTION 4 - FIRST AID MEASURES			
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INGESTION: Check breathing and heartbeat and give cardiac massage and / or artificial respiration if necessary. If patient conscious permit the drinking of water. Send promptly to hospital.			
MEDICAL TREATMENT: Treat symptomatically. Monitor for systemic effect on other organs: support and treat.			



Safety Data Sheet

SDS NO- S094	ISSUE NO: 005	ISSUE DATE: 19.01.96
SECTION 5 - FIRE FIGHTING MEASURES EXTINGUISHING MEDIA; SUITABLE: Dry powder, foam, carbon dioxide UNSUITABLE: Water may be ineffective COMBUSTION/DECOMPOSITION PRODUCTS: Hazardous fumes of NO _x , CO and CO ₂ may be emitted on decomposition in the event of a fire SPECIAL HAZARDS/INSTRUCTIONS: Flammable. Toxic. Do not allow run-off to enter water-courses		
SECTION 6 - ACCIDENTAL RELEASE MEASURES PERSONAL PRECAUTIONS (Also consult Section 7): Eliminate any source of ignition. Warn persons downwind. Avoid breathing vapours or dust. Avoid contact with eyes, skin or clothing. For spillage's wear gauntlets, wellingtons, chemically resistant suit and breathing equipment. ENVIRONMENTAL PRECAUTIONS: Do not allow to enter sewers, water courses, groundwater or soil. CLEAN-UP METHOD (Also consult Section 13): Recover by pumping using a explosion proof pump, or absorbing onto a suitable absorbent (eg sand, earth) and place into a suitable, chemically identified, lidded container for recycle or disposal.		
SECTION 7 - HANDLING AND STORAGE Avoid any source of ignition. Avoid breathing vapours or contact with eyes, skin or clothing. Use in well ventilated areas. Recommend use of local exhaust ventilation to control dust.		
SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION EXPOSURE LIMITS: OES (8 Hr TWA): 100ppm (EB) OES (STEL): 125ppm (EB) MEL (8 Hr TWA): None assigned MEL (STEL): None assigned OTHER: No limits assigned to DNBP TECHNICAL CONTROLS (Also consult Section 7): None PERSONAL PROTECTION: For open systems where contact is likely, wear gauntlets, safety goggles or visor, wellingtons, chemically resistant suit and half face canister mark (ABEK). Where contact may occur wear gauntlets, overalls and safety glasses with side shields. Where concentrations in air may exceed the safe working limits and engineering, work practice or other means of erposura control are not adequate, approved respirators may be necessary.		

AHIMARKS

Safety Data Sheet

SDS NO. 5094	ISSUE NO: 005	ISSUE DATE: 19.01.96
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SECTION 3 - PHYSICAL AND CHEMICAL PROPERTIES

FORM/APPEARANCE:	Orange Liquid	OXIDISING PROPERTIES:	No data
ODOUR:	Characteristic	FLAMMABILITY:	Highly flammable
MELTING POINT/RANGE:	No data	AUTOFLAMMABILITY:	428°C
BOILING POINT/RANGE:	No data	FLASH POINT:	33-35°C
VAPOUR PRESSURE:	930 Pa @ 20°C	EXPLOSIVE PROPERTIES:	No data
RELATIVE DENSITY:	No data	EXPLOSION LIMITS: LEL:	No data
SOLUBILITY IN WATER:	DNBP 50mg/l @ 20°C EB Insoluble	UEL:	No data
SOLVENT/OIL:	Soluble in most organic solvents		
pH:	No data	OTHER:	

SECTION 10 - STABILITY AND REACTIVITY

CONDITIONS TO AVOID:
No data

MATERIALS TO AVOID:
Ethyl benzene can react violently in contact with oxidising agents.

DECOMPOSITION PRODUCTS:
Emits toxic fumes of NO_x, CO, CO₂ when heated to decomposition.

SECTION 11 - TOXICOLOGICAL INFORMATION

INHALATION:
Harmful by inhalation

SKIN CONTACT:
Toxic in contact with skin. Can be absorbed Through the skin

EYE CONTACT:
Irritating to eyes

INGESTION:
Toxic if swallowed

ADDITIONAL INFORMATION:
Class 2 Teratogen. May cause birth defects.
Information based on DNBP as this had higher hazard compared to EB

BIOLOGICAL STANDARDS:

LD ₅₀ (ORAL):	58mg/kg (rat) (DNBP)	LC ₅₀ (INHA.):	No data
LD ₅₀ (DERMAL):	80-200mg/kg (rabbit) (DNBP)		

AHMARKS

Safety Data Sheet

SDS NO. 5094	ISSUE NO: 005	ISSUE DATE: 19.01.95
SECTION 12 - ECOLOGICAL INFORMATION DNBP - not classified as dangerous for the environment under the CHIP regulations 1993. Toxic to broad leaved plants. EB - There is evidence of inhibition to the aerobic treatment process at a concentration of 150mg/l.		
SECTION 13 - DISPOSAL CONSIDERATIONS Dispose of all wastes in accordance with regional, national, and international requirements and legislation. Recommend that this combustible material is burned in a chemical incinerator equipped with an afterburn and scrubber.		
SECTION 14 - TRANSPORT INFORMATION - SHIPPING NAME: Toxic liquid flammable organic nos (2,4-Dinitro 6 secondary butyl phenol in ethyl benter UN NO.: 2929 CDGCPL: CLASS NO.: 6.1 ICAO NO.: CLASS NO.: 6.1 PACKAGING GROUP: II PACKAGING GROUP: II IMDG: CLASS NO.: 6.1 ADR/RID: ITEM: 260(b) 1 PACKAGING GROUP: II KELMER CODE (HI NO): 63 EMS NO.: 61-01 TREMCARD NO.: 61G076 MFAG NO.: ---- HAZCHEM EAC: 3WE MARINE POLLUTANT; Yes TUNNEL RESTRICTIONS: Yes		
ADDITIONAL INFORMATION: ECNo:		
SECTION 15 - REGULATORY INFORMATION HAZARDS: PRIMARY: Toxic SYMBOL: T SECONDARY; flammable SYMBOL: None RISK PHRASES: R10 Flammable 24125 Toxic in contact with the skin and if swallowed R36 Irritating to eyes R61/62 May cause harm to the unborn child and possible risk of impaired fertility SAFETY PHRASES: S16 Keep away from sources of ignition - No Smoking S24/25 Avoid contact with the skin and eyes S44 If you feel unwell seek medical advice (show the label where possible) S53 Avoid exposure. Obtain special instruction before use. ADDITIONAL INFORMATION: This Safety Data Sheet does not constitute the users own assessment of workplace risks as required by other health and safety legislation.		
SECTION 16 - OTHER INFORMATION The following sections contain revisions: References are available on request This data in this sheet is based on current knowledge and is given in good faith but without guarantee of accuracy and no liability is accepted for any insufficiency or inaccuracy in such data whatsoever. It is the users responsibility to satisfy themselves as to the completeness of the information for their own use. The data does not signify any warranty with regards to the materials, properties or use.		




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SPECIALISED
ORGANIC CHEMICAL
MANUFACTURERS

Certificate of Analysis

Product **DNBP 70% W/W Soln in Ethylbenzene**
 Batch **Ex 34/B3** C of A No: **97/2745**
 Product Code **H510A** Ord No. **15127/01**

Test	Specification	Result
Appearance	Clear liquid	Pass
Purity before dilution	95.0% minimum	96.7%
Acidity before dilution	0.1% maximum	0.04%
DNBP content of solution	68 - 72%	70.7%

Signed 
 || **Mark Rowley**
 Position **Quality Control Manager**
 Date **8th October 1997**

Additional Information :

Chevron PO 441-001

OUR REF : 15127/01
 YOUR REF : FOCUS PO 2331: / CHEVRON PO 441-001
 TANKER NO: RMCU113055/Q
 QUANTITY: 20420 KILOS / *45026.1162*

Registered office as above
 Registered in England
 Number 27011

ID/Operations | Inspections/Accidents | Safety Rating

Carriers: If you would like to update the following ID/Operations information complete and submit form MCS-150 which can be obtained from your State FHWA office or you may download it by clicking [here](#).

Carriers and other users: If you would like to request more detailed information in the form of a MCMIS Carrier Profile please call (703) 280-4001 (Fee Required).

For **help** on the explanation of individual data fields, click on any underscored field name or for help of a general nature click [here](#).

The information below reflects the content of the FHWA Office of Motor Carriers management information systems as of 11/08/1997

Carrier:	GULF STATES INTERMODAL INC		
DBA Name:			
Physical Address:	7300 N PETERS ARABI, LA 70032		
Phone:]	(504) 2798544		
Mailing Address:	P O BOX 58 ARABI, LA 70032		
USDOT #:	311230	State Carrier ID#:	0
ICC/MC Numbers:	208229, 0, 0	DUNS Number:	
Entity Type	C	Status:	A
Power Units:	20	Drivers:	20
Carrier Classification:	<input checked="" type="checkbox"/> Auth. For Hire <input type="checkbox"/> Exempt For Hire Private <input type="checkbox"/> Priv. Passenger <input type="checkbox"/> Priv. Non-Passenger Migrant <input type="checkbox"/> U.S. Mail <input type="checkbox"/> Fed. Gov't <input type="checkbox"/> State Gov't <input type="checkbox"/> Local Gov't <input type="checkbox"/> Indian <input type="checkbox"/> Other <input type="checkbox"/> Other Work Desc:		
Carrier Op.	<input checked="" type="checkbox"/> Interstate	<input type="checkbox"/> Intrastate	<input type="checkbox"/> Intrastate/HM
Shipper Op.	<input type="checkbox"/> Interstate	<input type="checkbox"/> Intrastate/HM	

Cargo Carried:	<input checked="" type="checkbox"/> General Freight	Household Goods	Motor Vehicles
	Drive/Tow	Logs/Lumber	Bldg. Materials
	Mobile Homes	Machinery	Fresh Produce
	Liquids/Gases	<input checked="" type="checkbox"/> Intermodal	Passengers
	Oilfield Equipment	Livestock	Grain/Feed/Hay
	Coal/Coke	Meat	Metal
	Garbage/Refuse	US Mail	Chemicals
	Commodities	Refrigerated Food	Beverages
	Paper Products	<input checked="" type="checkbox"/> Other Cargo	
	Other Desc:	<u>CONTAINERS</u>	
Hazmat Status: Carry/Ship)	C S Division/Class	C S Division/Class	C S Division/Class
	Division 1.1	P Division 4.1	Class 8
	Division 1.2	Division 4.2	Class 9
	Division 1.3	Division 4.3	P.I.H.
	Division 1.4	P Division 5.1	P Combust. Liq.
	Division 1.5	P Division 5.2	Hazardous Sub.
	Division 1.6	Div. 6.1 (Liquid)	Hazardous Waste
	P Division 2.1	Div. 6.1 (Solid)	ORM-D
	P Division 2.2	Division 6.2	Elev. Temp. Mat.
	Division 2.3	Class 7 (Placards)	Marine Pollutants
	P Class 3	Class 7 (No Plac.)	

ID/Operations | Inspections/Accidents | Safety Rating

Inspection results for 24 months prior to 11/08/1997

Note: Columns may not sum to total. See for further information.

Inspection Type	Vehicle	Driver	Hazmat	Total
Inspections	60	65	29	65
Out of Service	15	2	0	17
Out of Service %	25%	3%	0%	26% "
Nat'l Average % (1995)	22.7%	7.9%	17.9%	27.3%

Accidents reported to FHWA by states for 24 months prior to 11/08/1997

Type	Fatal	Injury	Tow	Total
<u>Accidents</u>	0	0	2	2

ID/Operations | Inspections/Accidents | Safety Rating

Carrier Safety Rating

The rating below is current ~~11/06/1997~~ 11/06/1997

Rating date 03/12/1993

Rating: S