

Hydraulic Fracturing

DISCLOSURE



What is FracFocus?

- Informational site
 - Well completion
 - Stimulation
 - Chemicals
 - Water
- Reporting
- Regulations by state
- Managed by Groundwater Protection Council and IOGCC

www.fracfocus.org or
www.hydraulicfracturingdisclosure.org



View Well Information

- Find a well
- Drop down menus
 - State
 - County
 - Well Name
 - Operator name
- Map
 - Zoom in until “teardrop” for individual locations
 - Click on “teardrop” for specific well information
- Click on Adobe PDF logo to get reported information

Find a Well

Map Search

STATE: North Dakota COUNTY: Williston WELLS IN COUNTY: Choose a Well Name

API WELL NUMBER: WELL NAME:

Not Seeing Map Markers? Please Click The "Reset" button (left).

OPERATOR:

- Hess Corporation
- Frank Exploration Company LLC
- IG3 Operating, LLC
- Goodrich Petroleum Company, LLC
- Gunderson Energy Corporation
- GWPC
- Hatch Resources LLC
- Hess Corporation
- HighMount Exploration & Production
- Hust Oil Company
- Indigo II Louisiana Operating, LLC
- Indigo Minerals
- J CLEO THOMPSON
- J-W Operating Company
- K.P. Kaufman Company
- Laredo Petroleum, Inc.
- LeClair Operating Co., Inc.
- Legaco Natural Gas, LLC
- Live Energy, LLC
- Marathon Oil
- Mesa Energy Partners, LLC
- Murphy Exploration and Production USA
- Newfield Exploration
- Noble Energy, Inc.
- Occidental Oil and Gas
- Omni Oil & Gas, Inc.
- Opal Resources Operating Company
- Palaca Oil & Gas, LLC
- PDC Energy
- Penn Virginia Oil & Gas Corporation
- Pennsylvania General Energy

Find a Well

Map Search

STATE: North Dakota COUNTY: Choose a County WELLS IN COUNTY: Choose a County First OPERATOR: Hess Corporation

API WELL NUMBER: WELL NAME:

Not Seeing Map Markers? Please Click The "Reset" button (left).

Map

API Number: 3305323460
Well Name: Neiga Street 29-1H
Operator: Hess Corporation
Job Date: 11/25/2011

Hydraulic Fracturing Fluid Product Component Information Disclosure

Fracture Date:	10/19/2011
State:	North Dakota
County:	Dunn County
API Number:	33-025-01310
Operator Name:	Marathon Oil
Well Name and Number:	Verlyn Strommen 34-8H
Longitude:	-102.680544
Latitude:	47.388342
Long/Lat Projection:	NAD83
Production Type:	Oil
True Vertical Depth (TVD):	10,604
Total Water Volume* (gal):	841,636

← Date fractured

← County

← Operator

← Well depth

Maximum



Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Total Mass of Ingredient Pumped	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
HVG-01	Frac Tech	Water Gelling Agent	Gaur Gum	9000-30-0	45-50%		0.003-0.004%	
			Petroleum Distillate	64742-47-8	45-55%		0.003-0.004%	
			Clay	14805-60-7	1-2%		0.00007-0.0001%	
			Surfactant	68439-51-0	1-2%		0.00007-0.0001%	
ICI-3240	Frac Tech	Biocide	Dazomet (Tetrahydro-3, 5-dimethyl-2H-3, 5-thiadiazine-2-thione)	533-74-4	24.00%		0.00009%	9/100,000 of 1%
			Sodium Hydroxide	1310-73-2	<4		<0.00001%	
NE-100	Frac Tech	Non-emulsifier	2-Butoxyethanol	111-76-2	1-10%		0.00001-0.0001%	
			2-Propanol	67-63-0	1-10%		0.00001-0.0001%	
			Dodecylbenzenesulfonic acid	27176-87-0	1-5%		0.0001-0.00005%	
HTLB-2	Frac Tech	Gel Breaker	Organic hydroperoxide	75-91-2	<5		<0.00003%	
FTCC SI-224	Frac Tech	Scale Inhibitor	Sodium Polyacrylate Solution	Non-Hazardous	Proprietary		Proprietary	
B-10	Frac Tech	High pH Buffer	Potassium carbonate	584-08-7	30-48%		0.0002-0.0004%	
			Potassium hydroxide	1310-58-3	5-20%		0.00003-0.0002%	
BXL-3	Frac Tech	Cross-linking Agent	Proprietary Materials	-	Proprietary		Proprietary	
			Crystalline Silica	14805-60-7	<0.2		<0.00002%	
BXL-2	Frac Tech	Borate Crosslinker	Sodium metaborate	10555-76-7	0-25%		0.0-0.00005%	
			Boric acid	10043-35-3	0-15%		0.0-0.00003%	
			Potassium hydroxide	1310-58-3	3-12%		0.000006-0.00003%	
PROP - 40/70 White	Frac Tech	Fracture Prop	Silica	-	-		10.3%	
PROP - 20/40 White	Frac Tech	Fracture Prop	Silica	-	-		88.6%	
Water - H2O	-	Carrier/Base Fluid	-	-	100.0%		98.6%	841,636 gals/20,039 bbls

*Total Water Volume sources may include fresh water, produced water, and/or recycled water

** Information is based on the maximum potential for concentration and thus the total may be over 100%

All component information listed was obtained from the supplier's Material Safety Data Sheets (MSDS). As such, the Operator is not responsible for inaccurate and/or incomplete information. Any questions regarding the content of the MSDS should be directed to the supplier who provided it. The Occupational Safety and Health Administration's (OSHA) regulations govern the criteria for the disclosure of this information. Please note that Federal Law protects "proprietary", "trade secret", and "confidential business information" and the criteria for how this information is reported. MSDS is subject to 29 CFR 1910.1200(i) and Appendix D.

Google

dazomet

Search

Everything

Images

Maps

Videos

News

Shopping

More

Bismarck, ND
Change location

Show search tools

Dazomet - toxicity, ecological

www.pesticideinfo.org Chemical

Dazomet - identification, toxicity, u

regulatory information. Note. See V

Dazomet | Pesticides | US EP

www.epa.gov/oppsrrd1/reregistration

Jul 13, 2005 - Conventional Pesticid

(friedman.dana@epa.gov). 703-347-

(PDF) US EPA - **Dazomet** RED F

www.epa.gov/oppsrrd1/REDs/factsheet

File Format: PDF/Adobe Acrobat - Qu

Jul 10, 2008 - the RED document for b

Concurrent to EPA's review of the soil

dazomet data sheet

www.alanwood.net/pesticides/dazomet

dazomet data sheet, from the Compend

IUPAC and CAS systematic names, mol

Basamid G for Turf - Fumigant - C

www.certisusa.com/pest_management...

Basamid (active ingredient dazomet) is a

applied to the top of soils or incorporated i

(PDF) **EVALUATION REPORT. DAZO**

www.fao.org/ag/AGP/AGPP/Pesticidi/Specs

File Format: PDF/Adobe Acrobat - Quick Vie

FAO SPECIFICATIONS AND EVALUATION

PRODUCTS. **DAZOMET** Tetrahydro-3,5-di

Dazomet - International Chemical Sa

hazard.com/msds/mf/cards/file/0786.html

DAZOMET 3,5-Dimethyl-1,3,5-thiadiazine-2-thione Tetrahydro-3,5-dimethyl-1,3,5-

thiadiazine-2-thione Dimethylformocarbthialdine C5H10N2S2 Molecular ...

Chemical Identification and Use for Dazomet

Basic Identification Information About This Chemical

Chemical Name:

Dazomet

CAS Number:

533-74-4

U.S. EPA PC Code:

035602

835602

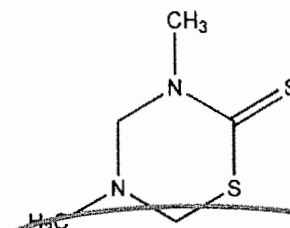
CA DPR Chem Code:

233

Molecular Weight:

162.27

Molecular Structure:



Use Type:

☒ Fumigant ☒ Fungicide ☒ Nematicide

Chem Class:

☒ Unclassified

☒ [View Related Chemicals](#)

Additional Resources About This Chemical Class and Use Type

See the [Global Pesticide Resources](#) page for many additional links.

Historical Use of this Chemical

Top five crops and sites for this pesticide in California

☒ Right of Way ☒ Soil Preplant ☒ Landscape ☒ Prunes ☒ Ornamental Turf

☒ [View All Crops and Sites](#)

Other Names for this Chemical

About Chemical Synonyms

00233 (CA DPR Chem Code Text), 00233 (CA DPR Chem Code), 035602 (US EPA PC Code Text), 233 (CA DPR Chem Code), 233 (CA DPR Chem Code), 533-74-4 (CAS number), 533744, 533744 (CAS number without hyphens), 835602 (US EPA PC Code Text), 835602 (US EPA PC Code), Dazomet, Fume, MITC precursor, Mylone, Tetrahydro-3,5-dimethyl-2H-1,3,5-thiadiazine-2-thione