



RE: Spill at Rip Van Dam, et al mining claims

1 message

Skillern, Trez -FS <trez.skillern@usda.gov>

Fri, Oct 7, 2022 at 7:45 AM

To: "Box, Kamber -FS, FORT COLLINS, CO" <kamber.box@usda.gov>, "Melching, Chase - FS, BOULDER, CO" <Chase.Melching@usda.gov>, "Johnson, Mike- FS" <Michael.Johnson6@usda.gov>, "patrick.lennberg@state.co.us" <patrick.lennberg@state.co.us>
Cc: "McLaughlin, Kevin - FS" <kevin.mclaughlin2@usda.gov>, "McCaw, Allen- FS" <Jerry.Mccaw@usda.gov>

I have attached the MSDS (propylene glycol) with environmental precaution of an accidental release (page 2). It states when released into water or soil it readily biodegrades. Dry sand could be used to absorb the chemical and then place into a chemical waste container.

I'm heading into the field out of cell range, but will check back in when I return.

From: Box, Kamber -FS, FORT COLLINS, CO <kamber.box@usda.gov>

Sent: Thursday, October 6, 2022 6:14 PM

To: Melching, Chase - FS, BOULDER, CO <Chase.Melching@usda.gov>; Johnson, Mike- FS <Michael.Johnson6@usda.gov>; patrick.lennberg@state.co.us

Cc: McLaughlin, Kevin - FS <kevin.mclaughlin2@usda.gov>; McCaw, Allen- FS <Jerry.Mccaw@usda.gov>; Skillern, Trez -FS <trez.skillern@usda.gov>

Subject: RE: Spill at Rip Van Dam, et al mining claims

Hello Chase – Thank you for the call and conversation today. My primary concern is getting the spill taken care of as soon as possible to prevent any water contamination. This will depend on the chemicals that were spilled on site. Attached are some picture of the concerned area and in the appendix of the report are some maps of the site. Here is summary from our conversation:

- It sounds like there has been and continues to be illegal mining activity occurring along NFSR 287 (not open to the public) on the Boulder Ranger District of the ARP. Law enforcement along with Boulder and Jefferson County are working on the investigation.
- There are 2 different materials suspect to have been spilled onsite and could be hazardous, one from a blue drum and one from a red drum. These were discovered at the site on 10/4 at 1430.
- The county removed a stolen trailer from the site. The trailer contained 5to 7 additional blue and red 55gallon drums on 10/4 at 2200.
- It sounds like 1-55 gallon blue drum of the Intercool NFP-P is suspected to have been spilled, 1-55 gallon red drum of unknown contents was spilled, and there may also be 5 gallons of spilled gas from the pictures.
- Chase is contacting Boulder County to have the contents of the red drums removed off site in the stolen trailer tested so we know what was spilled.
- The blue drum contents is a product called Intercool NFP-P from the Interstate Chemical Company, Inc. The label states to contain a spill by diking, collect the spill and disposed of at a landfill or in accordance with applicable laws and regulations. Follow up is needed on this substance to check its volatility and what is needed for cleanup.
- There is evidence of a seasonal stream directly adjacent the spill of the blue drum and gas can.
- There is an active spring 20' to 30' from the spill location assumed to be running parallel to the gradient of the spill.
- The mine activity (all underground activity) is jurisdiction of the State of Colorado. All the above ground activity is on FS land and is jurisdiction of the FS.

I will follow up with the RO on our options.

Trez – Can you share any insight to this issue as it relate to the spilled contents and situation?

Chase – Let me know if I missed something and/or if there are further developments.

Thank you,



Kamber Box
Forest Engineer

Forest Service

Arapaho and Roosevelt National Forests
and Pawnee National Grassland

p: 509-675-5405
kamber.box@usda.gov

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Caring for the land and serving people

From: Melching, Chase - FS, BOULDER, CO <Chase.Melching@usda.gov>
Sent: Thursday, October 6, 2022 10:34 AM
To: Johnson, Mike- FS <Michael.Johnson6@usda.gov>; Box, Kamber -FS, FORT COLLINS, CO <kamber.box@usda.gov>; patrick.lennberg@state.co.us
Cc: McLaughlin, Kevin - FS <kevin.mclaughlin2@usda.gov>
Subject: RE: spill at Rip Van Dam, et al mining claims

Good morning,

Attached are some of the several photos I took yesterday. Also it should be noted that they may still be working as yesterday morning one of the members of the crew attempted to access the site.

My cell phone is 970-294-2359 if you would like to call and go over everything.

Chase Melching
Law Enforcement Officer



U.S. Forest Service

Arapaho/Roosevelt National Forest

Boulder Ranger District

P: 303-541-2513

F: 303-541-2515

chase.melching@usda.gov

[2140 Yarmouth Ave.](#)

Boulder, CO 80301

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Caring for the land and serving people

From: Johnson, Mike- FS <Michael.Johnson6@usda.gov>

Sent: Wednesday, October 5, 2022 11:35

To: Box, Kamber -FS, FORT COLLINS, CO <kamber.box@usda.gov>; patrick.lennberg@state.co.us

Cc: McLaughlin, Kevin - FS <kevin.mclaughlin2@usda.gov>; Melching, Chase - FS, BOULDER, CO <Chase.Melching@usda.gov>

Subject: spill at Rip Van Dam, et al mining claims

Kamber,

Chase Melching (law enforcement officer) will be contacting you about a spill on National Forest.

He is planning to visit the site today to get pictures and possibly getting the name of the chemical from the 55 gallon drums.

Patrick,

When we get pictures, we'll forward to you as well.

Over the weekend, these folks drug (quite literally) a stolen travel trailer with 55 gallon drums up to the site.

I looked at your report again, looks like you already know some stuff up there.

Kevin,

You, Matt, Ed and I will need to talk.

The private land owner (Eric Harms) would like to install a gate across the road.

In the short term, Chase and I talked and we think Eric should park his truck in the road to block if he or his wife are home.

And allow emergency vehicle access as needed.

Chase,

I attached a copy of the report after the State visited the site.

Thanks, Mike



Mike Johnson
Lands and Minerals Staff

Forest Service

Boulder Ranger District

c: 970-531-9609
michael.johnson6@usda.gov

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Caring for the land and serving people

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Intercool NFP - Interstate Chem.pdf
2387K

MATERIAL SAFETY DATA SHEET

Customer's Use



Date Issued: 01/13/2005

MSDS No: ICC-02134

Date-Revised: 03/09/2011

Revision No: 15

INTERCOOL NFP

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: INTERCOOL NFP

GENERAL USE: Heat Transfer Fluid

PRODUCT DESCRIPTION: Inhibited Propylene Glycol

PRODUCT CODE: 242200

PRODUCT FORMULATION NAME: INTERCOOL NFP

CHEMICAL FAMILY: Glycol

GENERIC NAME: Inhibited Propylene Glycol

ACTIVE INGREDIENT(S): Propylene Glycol; Corrosion Inhibitors and Buffers

MANUFACTURER

Interstate Chemical Company, Inc.
Corporate Headquarters-Hermitage
2797 Freedland Road
Hermitage, PA 16148

Emergency Contact: F. James Corbett,
Director of Quality & EH&S

E-Mail: 724-981-3771

Product Stewardship: 800-422-2436

Alternate Emergency Phone: 724-981-3771

Transportation: 800-422-2436

Service Number: 800-422-2436

24 HR. EMERGENCY TELEPHONE NUMBERS
800-ICC-CHEM

COMMENTS: This product contains propylene glycol which is on the FDA's GRAS (GENERALLY REGARDED AS SAFE) list. Dispose of in accordance with all applicable local, state, and federal regulations. For assistance with your waste management/environmental service needs including waste disposal and recycling, please contact Interstate Chemical Environmental Services at 800-422-2436 ext. 1703 or email us at environmentalservices@interstatechemical.com

2. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

EYES: May cause irritation.

SKIN: May cause skin irritation.

INGESTION: Relatively non-toxic. Ingestion of sizable amount (over 100ml) may cause some gastrointestinal upset and temporary central nervous system depression. Effects appear more

severe in individuals with kidney problems

INHALATION: Vapor inhalation is generally not a problem unless heated or misted.

8. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Vol. %	CAS
Propylene Glycol	> 90	57-55-6
Corrosion Inhibitors and Buffers	< 10	mixture
Yellow Dye	< 1	6417-85-2

9. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

SKIN: Remove contaminated clothing. Wash with soap and water. Get medical attention.

INGESTION: Not expected to require first aid measures. Give several glasses of water to drink to dilute. If large amounts were swallowed, get medical advice.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

10. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: (210°F) ASTM D56

FLAMMABLE LIMITS: 2.6 to 12.5

AUTOIGNITION TEMPERATURE: (700°F)

EXTINGUISHING MEDIA: Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.

OTHER CONSIDERATIONS: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode. Move exposed containers from fire area, if it can be done without risk. Use water to keep fire-exposed containers cool.

11. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Absorb liquid and place in sealed container for disposal.

LARGE SPILL: Ventilate area of leak or spill. Remove all sources of ignition. Contain and recover liquid when possible. Do not flush to sewer.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: When released into water, this material is expected to readily biodegrade.

LAND SPILL: When released into the soil, this material is expected to readily biodegrade.

AIR SPILL: When released into the air, this material is expected to have a half-life between 1 and 10 days.

GENERAL PROCEDURES: Ventilate area of leak or spill. Remove all sources of ignition. Wear

appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Use non-sparking tools and equipment. Collect liquid in an appropriate container or absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust. Do not flush to sewer!

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Protect container from physical damage. Store in a cool, dry, ventilated area away from sources of heat, moisture, and incompatible substances. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product.

HANDLING: Store in adequate storage area at ambient temp.

STORAGE: Store in a cool dry place. Keep from freezing.

SHELF LIFE: Greater than one year when stored in its original container at the recommended storage temperature with the bungs closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear safety glasses with side shields (or goggles) and a face shield.

SKIN: For brief contact, no precautions other than clean body-covering clothing should be needed. When prolonged or frequently repeated contact could occur, use chemical protective clothing made from butyl rubber. Selection of specific items such as gloves, boots, apron, full-body suit, etc. will depend on local operation.

RESPIRATORY: For most conditions, no respiratory protection should be needed, however, in dusty atmospheres, use a NIOSH approved dust respirator.

PROTECTIVE CLOTHING: Where splashing is possible, full chemically resistant protective clothing and boots may be required.

WORK HYGIENIC PRACTICES: Establish good personal hygiene and work practices. Always wash hands and face before eating, drinking or smoking. Provide safety shower and eye wash station in work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Chemical Name	Solubility in Water	Specific Gravity
Propylene Glycol	Complete	1.036

PHYSICAL STATE: Liquid

ODOR: Odorless

APPEARANCE: Clear, yellow liquid.

COLOR: Fluorescent yellow

pH: 8.0 to 9.5

PERCENT VOLATILE: Not Determined

VAPOR PRESSURE: ~ 0.129 mmHg at (77°F)

VAPOR DENSITY: ~ 2.6 (Air=1)

BOILING POINT: ~ (370°F)

FREEZING POINT: < -60°C Freezing Point Chart

MELTING POINT: -60°C

FLASHPOINT AND METHOD: (210°F) ASTM D56

SOLUBILITY IN WATER: Miscible

EVAPORATION RATE: < 1 (n-Butyl Acetate=1) Room Temperature

DENSITY: ~ 8.74 lbs/gal at (60°F)

SPECIFIC GRAVITY: ~ 1.048 (water=1) at 20°C

VISCOSITY #1: ~ 20 Centipoise at (68°F)

COMMENTS: The information in this section is calculated from specific known information about this product. This information should not be used as exact test results or specifications. The information is provided as typical properties for this product.

0. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

STABILITY: Stable under ordinary conditions of use and storage.

POLYMERIZATION: Product will not undergo polymerization.

CONDITIONS TO AVOID: Oxidizing materials.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide and carbon monoxide may form when heated to decomposition. Aldehydes or lactic, pyruvic or acetic acids may also be formed.

INCOMPATIBLE MATERIALS: Heat, flames, ignition sources and incompatibles.

1. TOXICOLOGICAL INFORMATION

ACUTE

Chemical Name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)
Propylene Glycol	20 g/kg (rats)	20.8 g/kg, Rabbit

DERMAL LD₅₀: 20.8 g/kg (rabbit)

ORAL LD₅₀: 20 g/kg (rat)

GENERAL COMMENTS: Oral rat LD50: 20g/kg. Skin rabbit LD50: 20.8g/kg. Irritation: Eye rabbit/Draize, 500 mg/24H mild.

2. ECOLOGICAL INFORMATION

CHEMICAL FATE INFORMATION: When released into the soil, this material is expected to readily biodegrade. When released into the soil, this material is expected to leach into groundwater. When released into water, this material is expected to readily biodegrade. When released into the air, this material is expected to be readily degraded by reaction with photochemically produced hydroxyl radicals. When released into the air, this material is expected to have a half-life between 1 and 10 days.

3. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Whatever cannot be saved for recovery of recycling should be managed in an appropriate and approved waste disposal facility.

EMPTY CONTAINER: Dispose of container and unused contents in accordance with federal, state and local requirements.

4. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not Regulated by DOT

CANADA TRANSPORT OF DANGEROUS GOODS

SHIPPING NAME: Not regulated

5. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

FIRE: No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** No

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA REGULATORY: The components of this blend are listed on the EPA TSCA Inventory of Chemical Substances.

TSCA STATUS: All ingredients in this mixture are in compliance with TSCA.

CANADA

WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM): Not listed on the toxic substances in schedule 1 of the Canadian Environmental Protection Act, 1999 (CEPA 1999).

6. OTHER INFORMATION

REASON FOR ISSUE: Updated MSDS

APPROVED BY: F. James Corbett **TITLE:** Director of Quality & EH&S

PREPARED BY: F. James Corbett

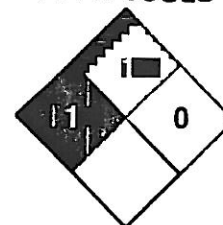
INFORMATION CONTACT: 800-422-2436 x 1136

REVISION SUMMARY: Revision #: 15. This MSDS replaces the December 16, 2008 MSDS.,
Any changes in information are as follows: In Section 1: Reason for IssueIn Section 2: Emergency
Overview - Immediate Concerns, Physical Appearance, Potential Health Effects - SkinIn Section
8: Skin Protection, Eyes-Face Protection, Respiratory Protection, Clothing ProtectionIn Section
9: Boiling Point (Operator), Density (lbs), Specific Gravity (Operator), Vapor Density (Operator),
Lbs/gal (Operator), Evaporation Rate Conditions, Viscosity (Operator), Weight per Volume,
Weight per Volume (Unit)In Section 11: Dermal LD50 (Value), Dermal LD50 (Unit), Oral LD50
(Value), Oral LD50 (Unit)In Section 15: TSCA Regulatory

HMIS RATING

HEALTH:	1
FLAMMABILITY:	1
PHYSICAL HAZARD:	0
PERSONAL PROTECTION:	B

NFPA CODES



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