

Cross Oil Material Safety Data Sheet

Cross Oil – Packaging Division

484 East 6th Street
Smackover, AR USA
71762

Emergency:

870-881-8700, Ext. 1163

Information:

870-881-8700

Fax:

870-864-8656

Revision Date:

06/20/2011

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product: Penetrating Oil
CAS Registry Number: Not applicable for mixtures
Synonyms: Gard Penetrating Oil, Spray Lubricant, Rust Preventative
Item Number: -
Generic/Chemical Name: -
Product Type: Aerosol

SECTION 2 COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENTS	CAS #	%	ACGIH TWA	OSHA PEL	OSHA STEL	OTHER
Severely Hydro-treated Heavy Naphthenic Distillate	64742-52-5	35-40	5 mg/m3	5 mg/m3	n/a	n/a
Heptane	142-82-5	35-40	400 ppm	400 ppm	n/a	n/a
Oleic Acid	112-80-1	10-15	NE	NE	n/a	n/a
Propane	74-98-6	5-10	NE	1000 ppm	n/a	n/a
Isobutane	75-28-5	5-10	NE	NE	n/a	n/a
Molybdenum Disulfide	1317-33-5	1	10 mg/m3	10 mg/m3	n/a	n/a

ABBREVIATIONS:

NE: None Established NA: Not Applicable (1): "STEL" Guidelines ND: Not Determined

SECTION 3 HAZARDS IDENTIFICATION

WARNING: Not applicable.

Eye Contact: Considered as an eye irritant. May cause severe eye irritation. Symptoms may include stinging, watering, redness, and swelling. Vapors may irritate eyes.

Skin Contact: Moderate to severe skin irritation may occur. Repeated contact may cause moderate to severe dermatitis. Chronic symptoms may include drying, swelling, scaling, blistering, cracking, and severe tissue damage. May cause allergic skin reaction in susceptible individuals. A single prolonged skin exposure is not likely to result in harmful amounts. Repeated excessive contact may cause product to be absorbed by the skin to produce CNS depression effects.

Inhalation: Breathing high concentrations of vapor may cause respiratory irritation, euphoria, excitation or giddiness, headache, nausea, vomiting, abdominal pain, loss of appetite, fatigue, muscular weakness, staggering gait, and CNS depression, (which includes disorientation, drowsiness, and disorientation).

PENETRATING OIL

Page 1 of 6

Cross Oil Material Safety Data Sheet

vertigo, memory loss, visual disturbances, difficulty with breathing convulsions, unconsciousness, paralysis, coma, and even death).

Ingestion:	Not likely as an aerosol but, if swallowed, it can be harmful or fatal. ASPIRATION HAZARD. Irritation of gastrointestinal tissues: symptoms can include pain, vomiting, abdominal tenderness, nausea, blood in vomitus, and blood in feces. Blood disorders: Symptoms can include a general feeling of unhealthiness, weakness, and fatigue. Heart effects: Can include arrhythmia, heart attack, and death. Kidney damage: Symptoms can include reduced urine volume, loss of appetite, weight gain, red urine, back pain, painful urination, and lethargy. Central nervous system effects: Symptoms can include emotional changes, lack of coordination, delirium, tremors, sensory loss and coma. Aspiration pneumonitis: Symptoms can include coughing, difficulty breathing, wheezing, pneumonia, and coughing up blood. Liver damage: Symptoms can include yellow skin, tenderness of abdomen, abdominal distension, lethargy, fever, and death.
Systemic And Other Effects	None known

SECTION 4 FIRST AID MEASURES

Eye Contact:	In case of contact, immediately flush eyes with large amounts of water for at least 15 minutes, lifting upper and lower eyelids. If irritation or other symptoms persist, call a physician.
Skin Contact:	In case of contact, immediately wash skin with large amounts of soap and water. Remove contaminated clothing. If irritation is severe, call a physician immediately. Wash clothing before reuse. Destroy or properly dispose of contaminated shoes.
Inhalation:	If inhaled, move person to non-contaminated air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen. Call a physician immediately if symptoms persist.
Ingestion:	Ingestion is not likely as an aerosol but, if ingested, do not induce vomiting . Never give anything by mouth to an unconscious person. Call a physician immediately. Keep victim on their left side, with their head down to prevent aspiration. Gastric lavage should be only considered by medical personnel following intubation with a cuffed endotracheal tube.

SECTION 5 FIRE FIGHTING MEASURES

Flash Point:	Not determined.
Upper Flammable Limit:	9.5%
Lower Flammable Limit:	1.2%
Extinguishing Media:	As appropriate for combustibles in area.

Cross Oil Material Safety Data Sheet

Special Fire Fighting Procedures:	Wear self-contained breathing apparatus when fighting fires containing or around this product. Shut off all sources of ignition, if possible. Keep exposed containers cool with water spray to prevent rupture. Evacuate all non-trained personnel. Wear full protective clothing, including helmet. Ventilate area. Contain spill and dike, if possible. For leaks or spills that have not ignited, water spray can be used to disperse the flammable vapor and protect personnel attempting to stop the leak. Do not use direct stream of water because product will float and can be reignited on surface of water.
Unusual Fire and Explosion Hazards:	Firefighters should wear SCBA's in a positive pressure mode with full face shield. Vapors are heavier than air and may travel long distances and accumulate in low areas or spread along ground away from handling site. Eliminate all sources of ignition as vapor may ignite. Carbon oxides may be formed.
By-products of Combustion:	Not determined
Auto-ignition Temperature:	Not determined
Explosion Data:	Not determined. Care should always be exercised in dust/mist areas.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Spill Procedures (Land):	Ventilate area,-especially low places where heavy vapors might collect. Extinguish all ignition sources. Contain spill. Cover with inorganic absorbent material. Collect spilled material. Clean up residue. Place in an approved DOT container for disposal. Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personnel protective equipment.
Spill Procedures (Water):	Remove from surface by skimming or with suitable adsorbents. If a large spill occurs notify appropriate authorities.
Waste Disposal Method:	When disposing of unused contents, the preferred options are to send to licensed reclaimers or permitted incinerators. Any disposal practice must be in compliance with federal, state, and local laws and regulations.
Regulatory Information:	Since regulations vary, consult applicable regulations or authorities before disposal. In the event of an uncontrolled release of this material, from the container, the user should determine if release is reportable.

SECTION 7 HANDLING AND STORAGE

Handling Procedures:	Read label before using. Do not smoke when handling or using this product. Do not cut on empty containers as they may contain vapors that are flammable.
Storage Procedures:	Store in tightly sealed containers. Keep away from heat, sparks & open flame. Do not get in eyes, on skin or clothing. Do not breathe vapor or mist. Do not store or transfer to an unmarked container. Do not store in direct sunlight. Store containers below 120°F.
Additional Information:	No additional information.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

PENETRATING OIL

Page 3 of 6

484 E. 6TH STREET • SMACKOVER, AR 71762 • PHONE 870-881-8700 • FAX 870-864-8656

Cross Oil Material Safety Data Sheet

Respiratory Protection:	If workplace exposure limit(s) of product or any component is exceeded (see Section two), a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specified conditions (see your safety equipment supplier). Engineering or administrative controls should be implemented to reduce exposure.
Eye Protection:	Chemical splash goggles in compliance with OSHA regulations are advised; OSHA regulations also permit other type of safety glasses (consult your safety equipment supplier)
Hand Protection:	For brief contact, no precautions should be needed. When prolonged or frequently repeated contact could occur, use protective gloves such as; polyvinyl alcohol or polyethylene.
Other Protection:	To prevent repeated or prolonged skin contact, use protective clothing impervious to this product. Selection of specific items such as gloves, boots, apron, or full body suit will depend on operation.
Local Control Measures:	Control airborne concentrations below the exposure limits in section two. Use only with adequate ventilation. Local exhaust ventilation may be necessary for some operations. Lethal concentrations may exist in areas with poor ventilation.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure:	70 psig (Standard Temperature and Pressure, 25°C at 1 ATM)
Gravity by ASTM D 1298:	
API Gravity	n/a
Specific Gravity @ 15.6°C	0.7600
Density @ 15.6°C	n/a
Solubility	Not soluble
Percent Volatile:	> 50% wt
Vapor Density, Air = 1:	Heavier than
Evaporation Rate, n-Butyl Acetate = 1:	Faster than
Odor:	Faint ethereal odor
Appearance:	Oily black liquid
Viscosity by ASTM D 445:	
cSt at 40°C (104°F)	n/a
cSt at 100°C (212°F)	n/a
Boiling Point:	Not determined.
Pour Point (°C):	
by ASTM D 97	n/a
Molecular Weight:	Not determined.

SECTION 10 STABILITY AND REACTIVITY

PENETRATING OIL

Page 4 of 6

484 E. 6TH STREET • SMACKOVER, AR 71762 • PHONE 870-881-8700 • FAX 870-864-8656

Cross Oil Material Safety Data Sheet

Stability:	Stable, avoid open flames and high temperature (above 120°F) and direct sunlight.
Conditions To Avoid:	Avoid high temperatures and product contamination.
Incompatibility With Other Materials:	Strong oxidizers, such as liquid chlorine, hydrogen peroxide, strong acids or alkalines.
Decomposition Products:	Carbon monoxide and carbon dioxide.
Hazardous Polymerization:	Will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

Oral Toxicity:	No data available.
Dermal Toxicity:	No data available.
Inhalation Toxicity:	No data available.
Dermal Sensitization:	Prolonged or repeated contact may make skin more sensitive to other skin sensitizers. Based on data from similar materials.
Chronic Toxicity:	No data available.
Carcinogenicity:	No data available.
Mutagenicity:	No data available.
Reproductive Toxicity:	No data available.
Teratogenicity:	No data available.
Other:	No data available.

SECTION 12 ECOLOGICAL INFORMATION

Environmental Toxicity:	This material may be toxic to aquatic organisms and should be kept out of sewage and drainage systems and all bodies of water.
Environmental Fate:	No data available.

SECTION 13 DISPOSAL CONSIDERATIONS

Waste Disposal:	Under RCRA it is the responsibility of the user of the product to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state, and local laws.
Disposal Consideration:	Place used, contaminated, or excess material into disposable containers and dispose of in a manner consistent with local and state regulations. Contact local environmental or health authorities for approved disposal of this material. Most used oil is reclaimed or incinerated.

SECTION 14 TRANSPORT INFORMATION

U.S. DOT Information

Bulk Shipping Description:	Does not apply to bulk shipping.
Non-Bulk Shipping Description:	Does not apply to non-bulk shipping.
Identification Number:	Not applicable.
Hazard Classification:	Not applicable.

PENETRATING OIL

Page 5 of 6

484 E. 6TH STREET • SMACKOVER, AR 71762 • PHONE 870-881-8700 • FAX 870-864-8656

Cross Oil Material Safety Data Sheet

Other: See 49 CFR for additional requirements for descriptions, allowed modes of transport, and packaging. For more information concerning spills during transport, consult latest DOT Emergency Response Guidebook for Hazardous Materials Incidents, DOT P 5800.3.

SECTION 15 REGULATORY INFORMATION

Clean Water Act/Oil Pollution Act: Under Section 311 of the Clean Water Act (40 CFR 110) and the Oil Pollution Control Act of 1990, this material is considered an oil. Any spills or discharges that produce a visible sheen or film on surface of water, or in waterways, ditches, or sewers leading to surface water must be reported. Contact the National Response Center at 800-424-8802.

TSCA: All components of this material are listed in the U.S. TSCA Inventory.

Other TSCA: Not applicable.

SARA Title III:

Section 302/304	Extremely Hazardous Substances:	None
Section 311/312	<u>Hazard Categorization:</u>	
	Acute (immediate health effects):	Yes
	Chronic (delayed health effects):	No
	Fire (hazard):	No
	Reactivity (hazard):	No
	Pressure (sudden release hazard):	No

Section 313 Toxic Chemicals: No

CERCLA:

For stationary sources - reportable quantity:	Not determined.
Due to:	Not applicable.
For moving sources - reportable quantity:	Not determined.
Due to:	Not applicable.

Recommend contacting the local authorities in the event of any type of spill to determine local reporting requirements and also to aid in the cleanup.

California Prop. 65: No

Massachusetts Right To Know Yes

Pennsylvania Right To Know Yes

New Jersey Right To Know Yes

Heptane
Propane
Isobutane
Molybdenum Disulfide

Note: Refer to Section 1 for Composition concentration and CAS numbers.

SECTION 16 OTHER INFORMATION

	NFPA 704	NPCA-HMIS	KEY
HEALTH:	1	1	0 = Minimal
FIRE:	3	3	1 = Slight
REACTIVITY:	0	0	2 = Moderate
SPECIFIC HAZARD:	NONE	N/A	3 = Serious
PROTECTION INDEX:	N/A	B	4 = Severe

Precautionary Labels: NONE REQUIRED

PENETRATING OIL

Page 6 of 6

Cross Oil Material Safety Data Sheet

This product may be formulated in part with components purchased from other companies. In many instances, especially when proprietary or trade secret materials are used, Cross Packaging must rely upon information provided by the material manufacturers or distributors.

Prepared by: David Collins
File: Penetrating Oil

INFORMATION PROVIDED IN THIS MSDS IS CONSIDERED ACCURATE AND RELIABLE BASED ON INFORMATION ISSUED FROM INTERNAL AND OUTSIDE SOURCES TO THE BEST OF CROSS PACKAGING'S KNOWLEDGE; HOWEVER, CROSS PACKAGING MAKES NO REPRESENTATIONS, GUARANTEES OR WARRANTIES, EXPRESSED OR IMPLIED, OF MERCHANTABILITY OR FITNESS FOR THE PARTICULAR PURPOSE, REGARDING THE ACCURACY OF SUCH INFORMATION OR THE RESULT TO BE OBTAINED FROM THE USE THEREOF, OR AS TO THE SUFFICIENCY OF INFORMATION HEREIN PRESENTED. CROSS PACKAGING ASSUMES NO RESPONSIBILITY FOR INJURY TO RECIPIENT OR TO THIRD PERSONS OR FOR ANY DAMAGE TO ANY PROPERTY AND RECIPIENT ASSUMES ALL SUCH RISKS.