

Safety Data Sheet

Pierce

SECTION I - IDENTIFICATION

PRODUCTNAME: RELEASE
PRODUCTCODE: 1742
PRODUCTUSE: PenetratingLubricant
COMPANYNAME: Banner Labs, Inc.
COMPANYADDRESS:P O BOX 41388HOUSTON,TX77241
COMPANYPHONE: 713-896-8778
EMERGENCYPHONE: 800-880-0015

SECTIONII-HAZARDSIDENTIFICATION

CLASSIFICATION: DissolvedGas

SkinIrritant: Category 2

Eye Irritant: Category 2b

Carcinogenicity: Category 2

HAZARDSTATEMENT(S): WARNING:Containsgasunderpressure; May explodeifheated. Causes skinandeyeirritation.

Suspectedofcausingcancer.

This product containsthefollowingpercentageofchemicalsofunknowntoxicity: 0%

PRECAUTIONARYSTATEMENTS: Keepawayfromheat,sparks,openflames,andhotsurfaces.-Nosmoking. Pressurized container:Donotpierce orburn,evenafteruse. Protectfromsunlight. Donotexposetotemperaturesexceeding50C/122F. Store in a well-ventilated place. Wash handsthoroughlyafterhandling. Wearprotectivegloves. Ifonskin:Washwithplentyof water. If skinirritation occurs: Get medical attention. Takeoffcontaminatedclothingandwashbefore reuse. Ifineyes: Rinse cautiously withwaterforseveral minutes. Removecontact lenses,ifpresent andeasy todo. Continuerinsing. Ifeyeirritation persists: Get medical attention. Obtain specialinstructionsbeforeuse. Donohandle until all safety precautions have been read andunderstood.

Wearprotectivegloves,eye protection,andprotectiveclothing. Ifexposedorconcerned: Get medical advice or attention.

Storelockedup. Dispose ofcontentsandcontainerinaccordancewith local, state, andnational regulations.



SYMBOL:

HAZARDS NOT OTHERWISE CLASSIFIED:N/A

SECTIONIII-COMPOSITION/INFORMATIONONINGREDIENTS

HAZARDOUSINGREDIENT	CASNUMBER	PERCENT
Carbon Dioxide	124-38-9	3-7%
Mineral Seal Oil	64741-44-2	7-13%
Tetrachloroethylene	127-18-4	60-100%
SorbitanMonooleate	1338-43-8	1-5%

SECTION IV - FIRST AID MEASURES

EYES: If ineyes: Rinse cautiously withwater for several minutes. Removecontact lenses,ifpresent andeasy todo. Continuerinsing.

If eye irritation persists: Get medical attention.

INGESTION: Rinsemouthwithwater.Donot inducevomitingunlessdirectedby medical authority.Seekmedical attention.

INHALATION: Ifinhaled: Removepersontofreshairandkeepcomfortableforbreathing. Call apoissoncenterordocorifyoufeel unwell.

SKIN: If onskin: Washwith plenty ofwater. If skinirritation occurs: Get medical attention.

ACUTEHEALTHHAZARDS: Eyes: redness,tearing,blurredvision

Skin: defattingand dermatitis

Oral: abdominal irritation,nausea,vomiting,anddiarrhea

CHRONICHEALTHHAZARDS: Possiblecancercausingagent andoverexposuremay alsoincludedamagetokidneys,liver, dizziness,headache,nausea,mentalconfusion,visualdisturbances,dermatitis,lungs,blood,or central nervous system.

NOTETOPHYSICIAN: Donot administeradrenalineorepinephrinetoavictimofchlorinatedsolvent poisoning. This product containsingredients that may beanticipatedtobeacarcinogen.

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SECTION V – FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Use appropriate media for surrounding fire.

UNSUITABLE EXTINGUISHING MEDIA: N/A

SPECIAL FIRE FIGHTING PROCEDURES: Wear NIOSH approved Self Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires. Use water spray only to cool exposed containers.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Contents under pressure. Exposure to temperatures above 120°F may cause bursting.

HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon, chlorine, hydrogen chloride and phosphine.

SECTION VI – ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTIVE EQUIPMENT: Refer to section VIII for proper Personal Protective Equipment.

SPILL: Use absorbent on spill, sweep to clean. Dispose in accordance with local, state and federal laws. Small releases may be wiped up with wiping material.

WASTE DISPOSAL: Dispose of in accordance with federal, state, and local regulations.

RCRA STATUS: Waste solvent likely considered hazardous, under RCRA, however products should be fully characterized prior to disposal (40 CFR 261).

SECTION VII – HANDLING AND STORAGE

HANDLING AND STORAGE: Protect from sunlight. Store in a well ventilated place. Do not expose to temperatures exceeding 50°C/122°F. Pressurized container: Do not pierce or burn, even after use. Store locked up.

OTHER PRECAUTIONS: Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warning and precautions listed for the product. Keep out of the reach of children

INCOMPATIBILITY: Strong acids, strong alkalis, strong oxidizing agents, chemically active metals, such as aluminum, barium, lithium, sodium, magnesium, potassium, titanium, beryllium, concentrated nitric acid some plastics, rubbers, and coatings.

SECTION VIII – EXPOSURE CONTROLS/PERSONAL PROTECTION

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH TLV
Carbon Dioxide	5000 ppm	5000 ppm
Mineral Seal Oil	5mg/m ³	5mg/m ³
Tetrachloroethylene	25ppm	100ppm
Sorbitan Monooleate	Not Established	Not Established

ENGINEERING CONTROLS / VENTILATION: Material is heavier than air. Material may concentrate in low lying areas. Normal, forced ventilation required to meet TLV requirements. Local exhaust ventilation is generally preferred.

RESPIRATORY PROTECTION: Wear NIOSH/MSHA approved organic vapor respiratory protection if used in confined, poorly ventilated areas.

PERSONAL PROTECTIVE EQUIPMENT: Safety glasses, Gloves, and Synthetic apron.

ADDITIONAL MEASURES: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear, Colorless Spray

ODOR: Chlorinated-mint solvent odor

ODOR THRESHOLD: N/D

BOILING POINT: >188°F (87°C)

FREEZING POINT: N/D

FLAMMABILITY: Not considered a flammable aerosol or an extremely flammable aerosol by OSHA (29 CFR 1910.1200)

FLASH POINT: N/D

AUTOIGNITION TEMPERATURE: N/D

LOWER FLAMMABILITY LIMIT: N/D

UPPER FLAMMABILITY LIMIT: N/D

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VAPORPRESSURE(mmHg): 59
VAPORDENSITY(AIR=1): >2
EVAPORATIONRATE: >3(Fast)
SPECIFICGRAVITY(H2O=1): 1.52
pH: N/A
SOLIDS(%): 0%
SOLUBILITY IN WATER: 0%
PARTITIONCOEFFICIENT:n-OCTANOL/WATER(K_{ow}):N/D
VOLATILITYINCLUDINGWATER(%): 100%
VOLATILEORGANICCOMPOUNDS(VOC): 0%
DIELECTRICSTRENGTH(Volts): N/D
DECOMPOSITIONTEMPERATURE: >400°C
VISCOSITY: N/D

SECTION X – STABILITY AND REACTIVITY DATA

REACTIVITY:Chemically active metals and bases.
CHEMICAL STABILITY: Stable
CONDITIONSTOAVOID: Temperaturesgreaterthan122°Fmay causebursting.
INCOMPATIBILITY: Strongacids,strongalkalis,strongoxidizingagents,chemically activemetals,suchasaluminum,barium, lithium,sodium,magnesium,potassium, titanium, beryllium,concentrated nitric acid some plastics,rubbers,andcoatings.
HAZARDOUSDECOMPOSITIONORBY-PRODUCT: Oxidesofcarbon,chlorine, hydrogenchlorideandphosgene.
POSSIBLEHAZARDOUSREACTIONS: NoneKnown

SECTION XI – TOXICOLOGICAL INFORMATION

TOXICOLOGICALINFORMATION: Tetrachloroethylene (127-18-4)LD₅₀(Oral,Rat)2629mg/kg; LD₅₀(Dermal,Rabbit)>3228 mg/kg; LD₅₀(IPR,Mouse)4700mg/kg; LC₅₀(Inhalation,Mouse,4hr)5200ppm; LC₅₀(Inhalation,Rat,8hr)34200mg/m³
ROUTESOFENTRY: Eyes,Ingestion,Inhalation,Skin
EYES: Causessevereirritation,redness,tearing,pain,visual disturbance,may causeeyedamage.
INGESTION: Causes gastrointestinal irritation,headaches,nausea,diarrhea,vomiting,abdominalcramps.
INHALATION: Irritationtorespiratory tract,dizziness,headache,nausea,depressionofcentral nervoussystem,prolongedexposure may causeunconsciousness,heart effects,livereffects,kidneyeffects,anddeath.
SKIN: Irritationlikely,rednessandpain. May causelocalizeddefatting,blisteringwithprolongedskincontact. May beabsorbed throughtheskin.
MEDICALCONDITIONAGGRAVATED: Excessiveexposurewillaggravatepre-existingdisordersofeyes,skin,respiratory,liver, kidney,cardiovascularsystem,pulmonaryillnesses,or centralnervoussystem.
ACUTEHEALTHHAZARDS: Eyes: redness,tearing,blurredvision
Skin: defattingand dermatitis
Oral: abdominal irritation,nausea,vomiting,anddiarrhea
CHRONICHEALTHHAZARDS: Possiblecancercausingagent andoverexposuremay alsoincludedamagetokidneys,liver, dizziness,headache,nausea,mentalconfusion,visualdisturbances,dermatitis,lungs,blood,or central nervous system.
CARCINOGENICITY: OSHA: Yes ACGIH:A2-Suspected NTP: 2- Anticipated
IARC:2A-Probable **OTHER:** CAProp65

SECTION XII – ECOLOGICAL INFORMATION

ECOLOGICALINFORMATION: Tetrachloroethylene (127-18-4)LC₅₀(FatheadMinnow,96hr)18.4mg/L; (Daphnia,48hr)18 mg/L;(RainbowTrout,96hr)5mg/L;(BluegillSunfish,96hr)13mg/L
BIODEGRADABILITY: Component orcomponentsofthis product arenot biodegradable.
BIOACCUMULATION: Thisproductisnotexpectedtobioaccumulate.
SOIL MOBILITY: This product is mobile insoil.
OTHERECOLOGICALHAZARDS: This material is toxic toaquatic life.

SECTION XIII – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Disposeofinaccordancewithfederal, state, and local regulations.
RCRASTATUS: Waste solvent likely consideredhazardous,underRCRA,howeverproductshouldbefullycharacterizedpriorto disposal (40CFR 261).

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SECTION XIV - TRANSPORTATION INFORMATION

PROPSHIPPINGNAME: Aerosols,Ltd.Qty.

HAZARDCLASS/DIVISION: 2.2 (6.1)

UN/NANUMBER: UN1956

PACKAGINGGROUP: N/A

AIRSHIPMENT

PROPSHIPPINGNAME: Forbiddenby USDOTRegulations

HAZARDCLASS/DIVISION: N/A

UN/NANUMBER: N/A

SHIPPINGBYWATER:

VESSEL (IMO/IMDG)

PROPSHIPPINGNAME: Aerosols,Ltd.Qty.

HAZARDCLASS/DIVISION: 2.2 (6.1)

UN/NANUMBER: UN1956

ENVIRONMENTALHAZARDSWATER: Marine Pollutant

SECTION XV - REGULATORY INFORMATION

TSCA STATUS: All Chemicals are listed or exempt.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): Tetrachloroethylene (127-18-4)

Reportable Quantity = 100 lbs.

SARA 311/312 HAZARD CATEGORIES: Acute Health, Chronic Health.

SARA 313 REPORTABLE INGREDIENTS: Tetrachloroethylene (127-18-4)

STATE REGULATIONS: Tetrachloroethylene (127-18-4) is known to the state of California to cause cancer.

INTERNATIONAL REGULATIONS: Tetrachloroethylene (127-18-4) WHMIS (Canada) Class D-1B: Material causing immediate and serious toxic effects (TOXIC). Class D-2A: Material causing other toxic effects (VERY TOXIC).

NFPA HEALTH: 2

HMIS HEALTH: 2

NFPA FLAMMABILITY: 1

HMIS FLAMMABILITY: 1

NFPA REACTIVITY: 0

HMIS REACTIVITY: 0

NFPA OTHER: None

HMIS PROTECTION: C

SECTION XVI - ADDITIONAL INFORMATION

PREPARATION BY: Jonathon Jarvis

DATE PREPARED: 12/13/2013

REVISION DATE: 11/24/2014

N/A = Not Applicable; N/D = Not Determined

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