# Blanket Fix

## 1 PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier:** Blanket Fix
**SDS Number:** J5010
**Revision Date:** 8/16/2021
**Version:** 2108
**Internal ID:** J5010
**Product Use:** Blanket Restorer for Lithograhic Printing

**Vendor Details:** RBP Chemical Technology, Inc.
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Milwaukee, WI 53214

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## 2 HAZARDS IDENTIFICATION

### Classification of the Substance or Mixture

**GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):**

Health, Skin corrosion/irritation, 2
Health, Serious Eye Damage/Eye Irritation, 2 A
Health, Specific target organ toxicity - Single exposure, 3
Health, Carcinogenicity, 2
Health, Specific target organ toxicity - Repeated exposure, 2
Environmental, Hazards to the aquatic environment - Acute, 3

### GHS Label Elements, Including Precautionary Statements

**GHS Signal Word:** WARNING

**GHS Hazard Pictograms:**

**GHS Hazard Statements:**

H315 - Causes skin irritation
H319 - Causes serious eye irritation
H336 - May cause drowsiness or dizziness
H351 - Suspected of causing cancer
H373 - May cause damage to organs through prolonged or repeated exposure
H402 - Harmful to aquatic life

**GHS Precautionary Statements:**

P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P260 - Do not breathe dust, fume, gas, mist, vapors, or spray.
P264 - Wash skin thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P273 - Avoid release to the environment.
P280 - Wear protective gloves, eye and face protection, and protective clothing.
P303+361+353 - IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P308+313 - IF exposed or concerned: Get medical advice/attention.
P332+313 - If skin irritation occurs: Get medical advice/attention.
P337+313 - If eye irritation persists: Get medical advice/attention.

P403+233 - Store in a well ventilated place. Keep container tightly closed.
P405 - Store locked up.
P501 - Dispose of contents and container in accordance with local, national, and international regulations.

## Hazards not Otherwise Classified (HNOC) or not Covered by GHS

Symptoms of poisoning may even occur several hours; therefore medical observations should occur for at least 48 hours after accidental exposure.

**Percentage of components with Unknown Acute Toxicity:**
Oral: 95%
Dermal: 95%
Inhalation: 95%

## 3 COMPOSITION/INFORMATION OF INGREDIENTS

| CAS# | % | Chemical Ingredients: Chemical Name: |
|---|---|---|
| 75-09-2 | 85-95% | Methylene chloride |
| 67-56-1 | 1-5% | Methanol |
| 7664-41-7 | <2% | Ammonia, anhydrous |

*Components not listed are either non-hazardous or are below reportable limits. *A specific chemical identity and/or percentage of composition has been withheld as a trade secret. Any concentration shown as a range is to protect confidentiality, or is due to batch variation.

## 4 FIRST AID MEASURES

**Inhalation:** IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately.

**Skin Contact:** IF ON SKIN: Remove immediately all contaminated clothing. Immediately flush skin with plenty of water. Get medical attention immediately. Wash contaminated clothing before reuse.

**Eye Contact:** IF IN EYES: Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Tilt head to avoid contaminating unaffected eye. Get immediate medical attention.

**Ingestion:** IF SWALLOWED: If fully conscious, drink large quantities of water. Rinse mouth. Do not induce vomiting. Get medical attention immediately. Call a poison center or physician. Remove dentures if any. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway.

**Most important symptoms/effects, acute and delayed:** Vapors have a narcotic effect and may cause headache, fatigue, dizziness and nausea. May cause drowsiness or dizziness and central nervous system (CNS) depression. May cause skin irritation including redness, cracking, and defatting. See Section 11 - Toxicological information.

**Indication of immediate medical attention and special treatment needed:** Provide general supportive measures and treat symptomatically. In case of shortness of breath, give oxygen.

**General information:** In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. For personal protection, see Section 8 of the SDS. Wash contaminated clothing before reuse.

## 5 FIRE FIGHTING MEASURES

Suitable extinguishing media: Water fog or fine spray. Dry chemical fire extinguishers. Carbon dioxide fire extinguishers. Foam. Water fog, applied gently may be used as a blanket for fire extinguishment.

Unsuitable extinguishing media: no data available

Special hazards arising from the substance or mixture Hazardous combustion products: During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating. Combustion products may include and are not limited to: Hydrogen chloride. Carbon monoxide. Carbon dioxide. Combustion products may include trace amounts of:

Phosgene. Chlorine.

Unusual Fire and Explosion Hazards: Container may vent and/or rupture due to fire. Although this material does not have a flash point, it can burn at room temperature. Vapors are heavier than air and may travel a long distance and accumulate in low lying areas.

Special protective equipment for firefighters: Wear positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots, and gloves). If protective equipment is not available or not used, fight fire from a protected location or safe distance.

## 6 ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment, and Emergency Procedures:**

Use Personal Protective Equipment to clean up spills. Do not touch or walk through spilled materials. As an immediate precautionary measure, isolate spill or leak area. This product contains components that are hazardous to aquatic life. Keep out of drains, sewers, ditches, and waterways.

**Methods for Containment and Clean-Up**

**Small Spill:** Absorb spill with vermiculite or other inert material (such as sand or other non-combustible material) and transfer to containers for later disposal.

**Large Spill:** Dike far ahead of liquid for later disposal. Use absorbent pads to contain. Collect up and place in a chemical waste container for disposal. Clean surface thoroughly to remove residual contamination.

**Other Information:** See Section 13 for waste disposal. US Regulations may require reporting spills of hazardous materials. See Section 15: Regulatory Information for details on reportable quantities, if any.

## 7 HANDLING AND STORAGE

**Handling Precautions:** Do not swallow. Avoid contact with eyes, skin, and clothing. Do not breathe vapor. Wash thoroughly after handling. Keep container closed. Use with adequate ventilation. Containers, even those that have been emptied, can contain vapors. Do not cut, drill, grind, weld, or perform similar operations on or near empty containers. Do not enter confined spaces unless adequately ventilated. To avoid uncontrolled emissions, vent vapor from container to storage tank. Vapors of this product are heavier than air and lethal concentrations of vapors can collect in low, confined and unventilated spaces such as tanks, pits, small rooms and even in equipment (degreasers) that is used for degreasing metal parts. Do not enter these confined spaces where vapors of this product are suspected unless special breathing apparatus is used and an observer is present for assistance

**Storage Requirements:** Store under cover in a dry, clean, cool, well ventilated place away from sunlight. Do not handle or store near an open flame, heat, or sources of ignition. Keep container tightly closed when not in use. Do not store in Zinc, Aluminum, Aluminum alloys, or Plastic.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of mist below their respective threshold limit value.

**Personal Protective Equipment:** Respiratory protection: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Hand protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye/Face protection: Tightly fitting safety goggles. Face-shield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection: Wear appropriate chemical-resistant clothing.

**Exposure Guidelines for Components:**

Methylene chloride (75-09-2)
- ACGIH TLV: 50 ppm TWA
- ACGIH TLV: STEL no data available
- OSHA PEL: 25 ppm TWA
- OSHA PEL: 125 ppm STEL
- NIOSH: TWA no data available
- NIOSH: STEL no data available
- Other: not applicable

Methanol (67-56-1)
- ACGIH TLV: 200 ppm TWA
- ACGIH TLV: 250 ppm STEL

OSHA PEL: 200 ppm (260 mg/m3) TWA
OSHA PEL: 250 ppm (325 mg/m3) STEL
NIOSH: 200 ppm (260 mg/m3) TWA
NIOSH: 250 ppm (325 mg/m3) STEL
Other: not applicable

Ammonia, anhydrous (7664-41-7)
ACGIH TLV: 25 ppm TWA
ACGIH TLV: 35 ppm STEL
OSHA PEL: 50 ppm (35 mg/m3) TWA
OSHA PEL: 35 ppm (27 mg/m3) STEL
NIOSH: 25 ppm (18 mg/m3) TWA
NIOSH: 35 ppm (27 mg/m3) STEL
Other: not applicable

## 9 PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|---|---|---|---|
| **Appearance:** | Clear | | |
| **Physical State:** | Liquid | **Odor:** | Mild |
| **Odor Threshold:** | 25-50 ppm | **Solubility:** | Slight |
| **Spec Grav./Density:** | 1.017 | **Freezing/Melting Pt.:** | No data available. |
| **Viscosity:** | No data available. | **Flash Point:** | NONE |
| **Boiling Point:** | 105 F | **Octanol:** | No data available. |
| **Flammability:** | Non-flammable | **Vapor Density:** | No data available. |
| **Vapor Pressure:** | 400 nn Hg @ 75 F | **VOC:** | 98% |
| **pH:** | 10.9 | **Bulk Density:** | No data available. |
| **Evap. Rate:** | <1 (Ether=1) | **Auto-Ignition Temp:** | No data available. |
| **Decomp Temp:** | No data available. | **UFL/LFL:** | 22%/14% |

## 10 STABILITY AND REACTIVITY

**Reactivity:** Material does not pose a significant reactivity hazard.
**Chemical Stability:** Product is stable under normal temperature and pressure (25C; 1 atm).
**Conditions to Avoid:** Reactive metals; Incompatible Materials.
**Materials to Avoid:** (Incompatible Materials): Amines; Aluminum; Magnesium; Magnesium; Strong Oxidizing Agents. Alkalies;
**Hazardous Decomposition:** Carbon Monoxide/Dioxide. Hydrogen Chloride; Chlorine; Phosgene
**Hazardous Polymerization:** (Hazardous Reactions): Will not occur.

## 11 TOXICOLOGICAL INFORMATION

**Likely Routes of Exposure:**
Ingestion, Inhalation, Eye Contact, Skin Contact.

**Symptoms:**

**Inhalation:** In confined or poorly ventilated areas, vapor can readily accumulate and can cause unconsciousness and death. Vapor may cause irritation of the upper respiratory tract. May cause carboxyhemoglobinemia, thereby impairing the blood's ability to transport oxygen. Minimal anesthetic or narcotic effects may be seen in the range of 500 - 1000 ppm methylene chloride. Progressively higher levels over 1000 ppm may cause dizziness, drunkenness, and as low as 10,000 ppm, unconsciousness and death. These high levels may also cause cardiac arrhythmias (irregular heartbeats).

**Eye Contact:** May cause moderate eye irritation, which may be slow to heal. May cause slight corneal injury. Vapor may cause eye irritation experienced as mild discomfort and redness.

**Skin Contact:** Brief contact may cause moderate skin irritation with local redness. May cause more severe response on covered skin (under clothing, gloves). Prolonged contact may cause skin burns. Symptoms may include pain, severe local redness, swelling, and tissue damage. Extensive skin contact with methylene chloride, such as immersion, may cause an intense burning sensation, followed by a cold, numb feeling which will subside after contact. May cause drying and flaking of the skin.

**Ingestion:** Low toxicity if swallowed. Small amounts swallowed incidentally as a result of normal handling operations are not likely to cause injury; however, swallowing larger amounts may cause injury.

**Acute Toxicity:**
**Inhalation:** Methylene Chloride (75-09-2): LC50 rat - 52,000 mg/m3
Methanol (67-56-1): LC50 - rat - 4 h - 128.2 mg/l
Ammonia, anhydrous (7664-41-7): LC50 - rat - 4 h - 2000 ppm

**Dermal:** Methylene Chloride (75-09-2): LD50 rat - > 2,000 mg/kg
Methanol (67-56-1): LD50 - rabbit - 17,100 mg/kg
Ammonia, anhydrous (7664-41-7): LD50 no data available

**Oral:** Methylene Chloride (75-09-2): LD50 rat - > 2,000 mg/kg
Methanol (67-56-1): LDLO - Human - 143 mg/kg; LD50 - rat - 1,187 - 2,769 mg/kg
Ammonia, anhydrous (7664-41-7): LD50 no data available

**Skin Corrosion:** Irritating to skin.

**Serious Eye Damage/ Eye Irritation:** Irritating to eyes.

**Sensitization:** no data available

**Germ Cell Mutagenicity:** rat DNA damage

**Carcinogenicity:** Carcinogenicity - rat - Inhalation: Tumorigenic: Carcinogenic by RTECS criteria. Endocrine: Tumors. Limited evidence of carcinogenicity in animal studies. Suspected human carcinogens
IARC: 2B - Group 2B: Possibly carcinogenic to humans (Methylene chloride)
NTP: Reasonably anticipated to be a human carcinogen (Methylene chloride)
OSHA: OSHA specifically regulated carcinogen (Methylene chloride)

**Reproductive/ Developmental Toxicity:** no data available

**Specific Target Organ Toxicity:**
**Single Exposure:** May cause respiratory irritation. May cause drowsiness or dizziness.

**Repeated Exposure:** Inhalation - May cause damage to organs through prolonged or repeated exposure. - Central nervous system Oral - May cause damage to organs through prolonged or repeated exposure. - Liver, Blood

**Aspiration Hazard:** no data available

## 12 ECOLOGICAL INFORMATION

**Component data:**
Methylene chloride (75-09-2)
Toxicity:
fish LC50 - Pimephales promelas (fathead minnow) - 193.00 mg/l - 96 h.
NOEC - Cyprinodon variegatus (sheepshead minnow) - 130 mg/l - 96 h
daphnia and other aquatic invertebrates EC50 - Daphnia magna (Water flea) - 1,682.00 mg/l - 48 h.

Methanol (67-56-1)
Toxicity:
fish mortality LC50 - Lepomis macrochirus (Bluegill) - 15,400.0 mg/l - 96 h.
NOEC - Oryzias latipes - 7,900 mg/l - 200 h
daphnia and other aquatic invertebrates EC50 - Daphnia magna (Water flea) - > 10,000 mg/l - 48 h.
algae Growth inhibition EC50 - Scenedesmus capricornutum (fresh water algae) - 22,000 mg/l -96 h
Persistence and degradability: Biodegradability aerobic Result: 72 % - rapidly biodegradable
Bioaccumulative potential: Bioaccumulation Cyprinus carpio (Carp) - 72 d at 20 °C Bioconcentration factor (BCF): 1.0
Mobility in soil: Will not adsorb on soil.
PBT and vPvB assessment: Results of PBT This substance is not considered to be persistent, bioaccumulating nor toxic (PBT)., This assessment substance is not considered to be very persistent nor very bioaccumulating (vPvB).
Other adverse effects: Biochemical Oxygen 600 - 1,120 mg/g Demand (BOD)
Chemical Oxygen 1,420 mg/g Demand (COD)

Ammonia, anhydrous (7664-41-7)
Toxicity:
daphnia and other aquatic invertebrates LC50 - Daphnia magna (Water flea) - 25.4 mg/l - 48 h.

**Product Data**:
Persistence and degradability: no data available
Bioaccumulative potential: no data available
Mobility in soil: no data available
Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted
Other adverse effects: no data available

## 13 DISPOSAL CONSIDERATIONS

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

## 14 TRANSPORT INFORMATION

Not regulated as dangerous goods

IATA: UN1593, DICHLOROMETHANE, 6.1, III, 663

## 15 REGULATORY INFORMATION

[%] RQ (CAS#) Substance - Reg Codes

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[85-95%] RQ(1000LBS), Methylene chloride (75-09-2) CERCLA, HAP, MASS, NJHS, NRC, OSHAWAC, PA, PRIPOL, PROP65, SARA313, TOXICPOL, TOXICRCRA, TSCA, TXAIR, TXHWL

[1-5%] RQ(5000LBS), Methanol (67-56-1) CERCLA, HAP, MASS, NJHS, OSHAWAC, PA, PROP65, SARA313, TOXICRCRA, TSCA, TXAIR, TXHWL

[<2%] RQ(100LBS), Ammonia, anhydrous (7664-41-7) CERCLA, CSWHS, EHS302, EPCRAWPC, MASS, NJEHS, NJHS, OSHAPSM, OSHAWAC, PA, SARA313, TSCA, TXAIR

**WARNING**

This product can expose you to chemicals including Dichloromethane (Methylene chloride), which is known to the State of California to cause cancer, and Methanol, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

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Regulatory Code Legend
-----------------------------------------------------------------
RQ = Reportable Quantity
CERCLA = Superfund clean up substance
HAP = Hazardous Air Pollutants
MASS = MA Massachusetts Hazardous Substances List
NJHS = NJ Right-to-Know Hazardous Substances
NRC = Nationally Recognized Carcinogens
OSHAWAC = OSHA Workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances
PRIPOL = Clean Water Act Priority Pollutants
PROP65 = CA Prop 65
SARA313 = SARA 313 Title III Toxic Chemicals
TOXICPOL = Clean Water Act Toxic Pollutants
TOXICRCRA = RCRA Toxic Hazardous Wastes (U-List)
TSCA = Toxic Substances Control Act
TXAIR = TX Air Contaminants with Health Effects Screening Level
TXHWL = TX Hazardous Waste List
CSWHS = Clean Water Act Hazardous substances
EHS302 = Extremely Hazardous Substance
EPCRAWPC = EPCRA Water Priority Chemicals
NJEHS = NJ Extraordinarily Hazardous Substances
OSHAPSM = OSHA Chemicals Requiring process safety management
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## 16 OTHER INFORMATION

This document was composed and approved by qualified RBP Chemical Technology Inc. personnel. Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained herein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Individuals should make a determination as to the suitability of the information for their particular purpose(s). The above information is not claiming characteristics of the product in terms of legal claims of performance / guarantee. This information only describes safety measures and no liability may arise from the use or application of the product described herein. This information is given in good faith and based on our current knowledge of the product.

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Supersedes: 06/25/2019

Revision Date: 8/16/2021