

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g), Rev. 2012 and GHS Rev 03.

Printing date 11/03/2014

Reviewed on 11/03/2014

1 Identification

- **Product identifier**
- **Trade name: Rapid Blanket Restorer**
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Rapid Blanket Restorer
P.O. Box 674
Chesterland, OH 44026
Phone: (330) 821-6326
Fax: (440) 256-6326
www.rapidblanket.com
- **Emergency telephone number:**
Chemtrec - 24 hour: (800) 424-9300
Only for spills, leaks, fires, exposures or accidents involving chemicals

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS08 Health hazard

| | | |
|-----------|------|--|
| Carc. 2 | H351 | Suspected of causing cancer. |
| STOT RE 2 | H373 | May cause damage to organs through prolonged or repeated exposure. |



GHS07

| | | |
|---------------|-----------|--|
| Acute Tox. 4 | H302 | Harmful if swallowed. |
| Skin Irrit. 2 | H315 | Causes skin irritation. |
| Eye Irrit. 2A | H319 | Causes serious eye irritation. |
| STOT SE 3 | H335-H336 | May cause respiratory irritation. May cause drowsiness or dizziness. |

- **Label elements**
- **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



GHS07



GHS08

- **Signal word** Warning
- **Hazard-determining components of labeling:**
methylene chloride
methanol
Hydroxypropyl Methylcellulose
- **Hazard statements**
Harmful if swallowed.
Causes skin irritation.
Causes serious eye irritation.

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Suspected of causing cancer.

May cause respiratory irritation. May cause drowsiness or dizziness.

May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

Do not breathe dust/fume/gas/mist/vapors/spray.

Use only outdoors or in a well-ventilated area.

Wear protective gloves.

Wear eye protection / face protection.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

If swallowed: Call a poison center/doctor if you feel unwell.

Specific treatment (see on this label).

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

IF exposed or concerned: Get medical advice/attention.

If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

Get medical advice/attention if you feel unwell.

Rinse mouth.

If on skin: Wash with plenty of water.

Take off contaminated clothing and wash it before reuse.

Store locked up.

Store in a well-ventilated place. Keep container tightly closed.

Dispose of contents/container in accordance with local/regional/national/international regulations.

Classification system:**NFPA ratings (scale 0 - 4)****HMS-ratings (scale 0 - 4)**

| | | |
|------------|---|----------------|
| HEALTH | 2 | Health = *2 |
| FIRE | 1 | Fire = 1 |
| REACTIVITY | 0 | Reactivity = 0 |

*** 3 Composition/information on ingredients****Chemical characterization: Mixtures****Description:** Mixture: consisting of the following components.**Dangerous Components:**

| | | |
|---------|--|--------|
| 75-09-2 | methylene chloride ⚠ Carc. 2, H351; STOT RE 2, H373; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335-H336 | 85-95% |
| 67-56-1 | methanol ⚠ Flam. Liq. 2, H225; ⚠ Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; ⚠ STOT SE 1, H370 | 1-5% |

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| | | |
|------------|---|------|
| 64741-41-9 | Naphtha (petroleum), heavy straight-run ⚠ Asp. Tox. 1, H304 | 1-3% |
| 7664-41-7 | ammonia, anhydrous ⚠ Flam. Liq. 3, H226; ⚠ Acute Tox. 3, H331; ⚠ Skin Corr. 1B, H314; ⚠ Aquatic Acute 1, H400; Flam. Gas 2, H221; Press. Gas, H280 | 1-2% |
| 9004-65-3 | Hydroxypropyl Methylcellulose ⚠ Acute Tox. 4, H302; Combustible Dust | 2-4% |

*** 4 First-aid measures**· **Description of first aid measures**· **General information:**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· **After inhalation:**

If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.

In case of unconsciousness, place patient securely on side position for transportation.

· **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

Remove contaminated clothes and shoes.

If skin irritation continues, consult a doctor.

· **After eye contact:**

If easy to do so, remove contact lenses if worn.

Rinse opened eye for at least 15 minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing:**

Do not induce vomiting unless directed to by medical personnel. Call a poison control center, emergency room or physician immediately for instructions. Never give anything by mouth to an unconscious person. If conscious, give large amounts of water. Seek immediate medical assistance.

· **Most important symptoms and effects, both acute and delayed** No further relevant information available.· **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

*** 5 Fire-fighting measures**· **Extinguishing media**· **Suitable extinguishing agents:**

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· **Special hazards arising from the substance or mixture**

Carbon Dioxide, Carbon Monoxide, Chlorine and Hydrogen Chloride.

· **Advice for firefighters**· **Protective equipment:**

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.

· **Additional information**

Sealed containers can build up pressure if exposed to heat and/or fire. Cool fire exposed containers with water.

*** 6 Accidental release measures**· **Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation

Wear protective equipment. Keep unprotected persons away.

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Avoid contact with skin, eyes and clothing.

- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (ie. sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

*** 7 Handling and storage**

- **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
Avoid contact with skin, eyes and clothing
- **Information about protection against explosions and fires:** Keep ignition sources away - Do not smoke.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Store in a cool, dry, well ventilated area away from direct sunlight and incompatible materials, detailed in Section 10.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Specific end use(s)** No further relevant information available.

*** 8 Exposure controls/personal protection**

- **Additional information about design of technical systems:** No further data; see section 7.
- **Control parameters**

Components with occupational exposure limits:**75-09-2 methylene chloride**

| | |
|-----|--|
| PEL | Short-term value: 125 ppm Long-term value: 25 ppm see 29 CFR 1910.1052 |
| REL | See Pocket Guide App. A |
| TLV | Long-term value: 174 mg/m ³ , 50 ppm BEI |

67-56-1 methanol

| | |
|-----|--|
| PEL | Long-term value: 260 mg/m ³ , 200 ppm |
| REL | Short-term value: 325 mg/m ³ , 250 ppm Long-term value: 260 mg/m ³ , 200 ppm Skin |
| TLV | Short-term value: 328 mg/m ³ , 250 ppm Long-term value: 262 mg/m ³ , 200 ppm Skin; BEI |

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| | |
|--|---|
| 7664-41-7 ammonia, anhydrous | |
| PEL | Long-term value: 35 mg/m ³ , 50 ppm |
| REL | Short-term value: 27 mg/m ³ , 35 ppm Long-term value: 18 mg/m ³ , 25 ppm |
| TLV | Short-term value: 24 mg/m ³ , 35 ppm Long-term value: 17 mg/m ³ , 25 ppm |
| · Ingredients with biological limit values: | |
| 75-09-2 methylene chloride | |
| BEI | 0.3 mg/L urine end of shift Dichloromethane (semi-quantitative) |
| 67-56-1 methanol | |
| BEI | 15 mg/L urine end of shift Methanol (background, nonspecific) |

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Use adequate exhaust ventilation to prevent inhalation of product vapors.

· **Breathing equipment:**

NIOSH/MSHA or EN approved respiratory protection is recommended for use in airborne concentrations exceeding exposure limits.

· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Select glove material based on penetration times, rates of diffusion and degradation.

· **Material of gloves** Chemical resistant

· **Penetration time of glove material**

The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.

· **Eye protection:** Tightly sealed goggles

* 9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form:

Liquid

Color:

Not determined.

· **Odor:**

Not determined

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- **Specific Gravity:** 1.3
- **Odor threshold:** 25-50 ppm
- **pH-value @ 20 °C (68 °F):** 10.9
- **Change in condition**
 - Melting point/Melting range:** Not determined.
 - Boiling point/Boiling range:** 105 ° F
- **Flash point:** Not applicable.
- **Flammability (solid, gaseous):** Not applicable.
- **Ignition temperature:**
 - Decomposition temperature:** Not determined.
- **Auto igniting:** Product is not selfigniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Explosion limits:**
 - Lower:** 13.0 Vol %
 - Upper:** 22.0 Vol %
- **Vapor pressure @ 24 °C (75 °F):** 400 mm Hg
- **Density:**
 - Relative density** Not determined.
 - Vapour density** Not determined.
 - Evaporation rate** <1 (Ether=1)
- **Solubility in / Miscibility with Water:** Slightly soluble.
- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
 - Dynamic:** Not determined.
 - Kinematic:** Not determined.
- **Solvent content:**
 - Organic solvents:** 92.5 %
 - VOC content:** 98 %
- **Other information** No further relevant information available.

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***10 Stability and reactivity**

- **Reactivity** No further relevant information available.
- **Chemical stability** Stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:** Decomposition products may produce carbon monoxide and carbon dioxide, hydrogen chloride, chlorine gas and phosgene.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** Contact with amines, reactive metals such as aluminum and magnesium, strong alkalies and strong oxidizing agents.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

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11 Toxicological information· **Information on toxicological effects**· **Acute toxicity:**· **LD/LC50 values that are relevant for classification:****75-09-2 methylene chloride**

Oral LD50 1600 mg/kg (rat)

Inhalative LC50/4 h 88 mg/l (rat)

67-56-1 methanol

Oral LD50 5628 mg/kg (rat)

Dermal LD50 15800 mg/kg (rabbit)

7664-41-7 ammonia, anhydrous

Oral LD50 350 mg/kg (rat)

Inhalative LC50/4 h 2000 mg/l (rat)

· **Primary irritant effect:**· **on the skin:** Irritant to skin and mucous membranes.· **on the eye:**

Irritating effect.

Causes serious eye irritation.

· **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

Harmful

Irritant

· **Carcinogenic categories**· **IARC (International Agency for Research on Cancer)**

75-09-2 methylene chloride

2B

· **NTP (National Toxicology Program)**

75-09-2 methylene chloride

R

· **OSHA-Ca (Occupational Safety & Health Administration)**

75-09-2 methylene chloride

12 Ecological information· **Toxicity**· **Aquatic toxicity:** No further relevant information available.· **Persistence and degradability** No further relevant information available.· **Bioaccumulative potential** No further relevant information available.· **Mobility in soil** No further relevant information available.· **Additional ecological information:**· **General notes:**

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

· **Results of PBT and vPvB assessment**· **PBT:** Not applicable.· **vPvB:** Not applicable.· **Other adverse effects** No further relevant information available.

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*** 13 Disposal considerations**

- **Waste treatment methods**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Observe all federal, state and local environmental regulations when disposing of this material.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **UN-Number**
- **DOT, ADR, IMDG, IATA** UN1593
- **UN proper shipping name**
- **DOT** Dichloromethane
- **ADR** UN1593 Dichloromethane
- **IMDG, IATA** DICHLOROMETHANE
- **Transport hazard class(es)**

- **DOT**



- **Class** 6.1 Toxic substances
- **Label** 6.1

- **ADR, IMDG, IATA**



- **Class** 6.1 Toxic substances
- **Label** 6.1
- **Packing group**
- **ADR** III
- **IMDG, IATA** II
- **Environmental hazards:**
- **Marine pollutant:** No
- **Special precautions for user** Warning: Toxic substances
- **EMS Number:** F-A,S-A
- **Segregation groups** Liquid halogenated hydrocarbons
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

- **Transport/Additional information:**

- **ADR**
- **Excepted quantities (EQ)** Code: E1
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 1000 ml
- **UN "Model Regulation":** UN1593, Dichloromethane, 6.1, III

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15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

· **Section 355 (extremely hazardous substances):**

7664-41-7 ammonia, anhydrous

· **Section 313 (Specific toxic chemical listings):**

75-09-2 methylene chloride

67-56-1 methanol

7664-41-7 ammonia, anhydrous

· **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

· **Proposition 65**· **Chemicals known to cause cancer:**

75-09-2 methylene chloride

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients are listed.

· **Chemicals known to cause developmental toxicity:**

67-56-1 methanol

· **Carcinogenic categories**· **EPA (Environmental Protection Agency)**

75-09-2 methylene chloride

L

· **TLV (Threshold Limit Value established by ACGIH)**

75-09-2 methylene chloride

A3

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

75-09-2 methylene chloride

· **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms**

GHS07 GHS08

· **Signal word** Warning· **Hazard-determining components of labeling:**

methylene chloride

methanol

Hydroxypropyl Methylcellulose

· **Hazard statements**

Harmful if swallowed.

Causes skin irritation.

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Causes serious eye irritation.
 Suspected of causing cancer.
 May cause respiratory irritation. May cause drowsiness or dizziness.
 May cause damage to organs through prolonged or repeated exposure.












Precautionary statements

Do not breathe dust/fume/gas/mist/vapors/spray.
 Use only outdoors or in a well-ventilated area.
 Wear protective gloves.
 Wear eye protection / face protection.
 Wash thoroughly after handling.
 Do not eat, drink or smoke when using this product.
 Obtain special instructions before use.
 Do not handle until all safety precautions have been read and understood.
 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 If swallowed: Call a poison center/doctor if you feel unwell.
 Specific treatment (see on this label).
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 IF exposed or concerned: Get medical advice/attention.
 If skin irritation occurs: Get medical advice/attention.
 If eye irritation persists: Get medical advice/attention.
 Get medical advice/attention if you feel unwell.
 Rinse mouth.
 If on skin: Wash with plenty of water.
 Take off contaminated clothing and wash it before reuse.
 Store locked up.
 Store in a well-ventilated place. Keep container tightly closed.
 Dispose of contents/container in accordance with local/regional/national/international regulations.

National regulations:

The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.

State Right to Know

| | | |
|------------|---|--------|
| 75-09-2 | methylene chloride  Carc. 2, H351; STOT RE 2, H373;  Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335-H336 | 85-95% |
| 9004-65-3 | Hydroxypropyl Methylcellulose  Acute Tox. 4, H302; Combustible Dust | 2-4% |
| 67-56-1 | methanol  Flam. Liq. 2, H225;  Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331;  STOT SE 1, H370 | 1-5% |
| 64741-41-9 | Naphtha (petroleum), heavy straight-run  Asp. Tox. 1, H304 | 1-3% |
| 7664-41-7 | ammonia, anhydrous  Flam. Liq. 3, H226;  Acute Tox. 3, H331;  Skin Corr. 1B, H314;  Aquatic Acute 1, H400; Flam. Gas 2, H221; Press. Gas, H280 | 1-2% |

All ingredients are listed.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied and shall not

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establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

· **Date of preparation / last revision** 11/03/2014 / 2

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Flam. Gas 2: Flammable gases, Hazard Category 2

Press. Gas: Gases under pressure: Compressed gas

Flam. Liq. 2: Flammable liquids, Hazard Category 2

Flam. Liq. 3: Flammable liquids, Hazard Category 3

Acute Tox. 3: Acute toxicity, Hazard Category 3

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A

Carc. 2: Carcinogenicity, Hazard Category 2

STOT SE 1: Specific target organ toxicity - Single exposure, Hazard Category 1

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2

Asp. Tox. 1: Aspiration hazard, Hazard Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - AcuteHazard, Category 1

· *** Data compared to the previous version altered.**

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