

Chempagard 9

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SECTION 1 - IDENTIFICATION

1.1 Product Identifier

Product Name : *Chempagard 9*
 Manufacturer Product Number : *2004*

1.2 Other Means of Identification

Other Identifiers : *5 Gallon - INACTIVE*
55 Gallon

1.3 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Recommended Use : *Water soluble rust preventive.*
 Restrictions on Use : *None Identified*

1.4 Supplier Details

	Manufacturer Details	Supplier Details
Company Name	<i>Chem-Pak Inc</i>	<i>Chem-Pak Inc</i>
Address	<i>242 Corning Way, Martinsburg, WV 25405 - United States</i>	<i>242 Corning Way, Martinsburg, WV 25405 - United States</i>
Phone Number	<i>304-262-1880</i>	<i>304-262-1880</i>
Fax Number	<i>304-262-9643</i>	<i>304-262-9643</i>
Email	<i>msds@chem-pak.com</i>	<i>msds@chem-pak.com</i>
Website	<i>http://www.chem-pak.com</i>	<i>http://www.chem-pak.com</i>

1.5 24 hr Emergency Phone Number

Emergency Number : *800-255-3924*
Chem-Tel

SECTION 2 - HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

Asp. Tox. 1 H304 Health Hazards Aspiration hazard Category 1

2.2 Label Elements

Hazard Pictograms



Signal Word

Danger

Hazard Statements

H304 : May be fatal if swallowed and enters airways

Precautionary Statements

P301+P310 : If swallowed: Immediately call POISON CENTER
P331 : Do NOT induce vomiting.
P405 : Store locked up.
P501 : Dispose of contents/container to local regulations

2.3 Other Hazards Which Do Not Result In Classification

Hazards Not Otherwise Classified : *None Identified.*



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2.4 Unknown acute toxicity

12.81% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)
12.81% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)
19.25% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Vapours))

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substance / Mixture

Substance / Mixture : Mixture

3.2 Composition

Substance name	CAS Number	% wt*	Classification
Hydrotreated Heavy Naphthenic Distillate	64742-52-5	>= 60	Asp. Tox. 1, H304
2-(2-Butoxyethoxy)Ethanol	112-34-5	5 - 10	Eye Irrit. 2A, H319
Barium Sulfonate	7787-39-5	1 - 5	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation:vapour), H332
Solvent-Refined Light Paraffinic Distillate	64741-89-5	1 - 5	Asp. Tox. 1, H304
Hydrotreated Light Naphthenic Distillate	64742-53-6	1 - 5	Asp. Tox. 1, H304
Solvent-Dewaxed Heavy Paraffinic Petroleum Distillate	64742-65-0	1 - 5	Asp. Tox. 1, H304

Full text of hazard classes and H-statements : see section 16

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

SECTION 4 - FIRST-AID MEASURES

4.1 Description of First-Aid Measures

General Measures : Call a physician immediately.
Inhalation : Remove person to fresh air and keep comfortable for breathing.
Skin Contact : Wash skin with plenty of water.
Eye Contact : Rinse eyes with water as a precaution.
Ingestion : Do NOT induce vomiting. Call a physician immediately.
First-Aid Responder Protection : Wear adequate personal protective equipment based on the nature and severity of the emergency.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms of Exposure : None Identified.
Delayed Effects : No known delayed effects.
Immediate Effects : No known immediate effects.
Chronic Effects : No known chronic effects.
Target Organs : None Identified.

4.3 Indication of Immediate Medical Attention and Special Treatment

Notes to Physician : Treat symptomatically.
Specific Treatments/Antidotes : No Information Available.
Medical Conditions Aggravated : May aggravate personnel with pre-existing disorders associated with any of the Target Organs.

SECTION 5 - FIRE-FIGHTING MEASURES

5.1 Suitable Extinguishing Media

Extinguishing Media : Product is non-flammable. Use extinguishing media suitable for surrounding materials.
Unsuitable Media : Avoid extinguishing media unsuitable for surrounding materials.

5.2 Specific Hazards Arising from the Chemical or Mixture

Hazardous Combustion Products : Decomposition products may include: oxides of carbon, smoke, vapors. See also Section 10.6.
Specific Hazards During Firefighting : Contents are non-flammable. No known fire hazards.



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5.3 Special Protective Actions for Fire-Fighters

- Firefighting Instructions** : Product is non-flammable. Use extinguishing media suitable for surrounding materials.
- Protection during Firefighting** : Firemen should wear self-contained breathing apparatus with full face-piece operated in positive pressure mode.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

- For Non-Emergency Personnel** : No action should be taken involving any personnel without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering.
- For Emergency Personnel** : Use personal protection as recommended in Section 8. Observe precautions provided for non-emergency personnel above.

6.2 Environmental Precautions

- Environmental Precautions** : Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

6.3 Methods and Materials for Containment and Cleaning up

- Containment Procedures** : Released content may be contained with oil/solvent absorbent pads, booms, and/or absorbents.
- Cleanup Procedures** : Soak up material with inert absorbent and place in safety containers for proper disposal.
- Other Information** : Not Available.
- Prohibited Materials** : Not Available.

SECTION 7 - HANDLING AND STORAGE

7.1 Precautions for Safe Handling

- General Handling Precautions** : KEEP OUT OF THE REACH OF CHILDREN.
- Hygiene Recommendations** : Do not eat, drink or smoke when using this product. Wash hands thoroughly after use.

7.2 Conditions for Safe Storage Including Any Incompatibilities

- Storage Requirements** : Keep containers closed when not in use. Do not store in open or unlabelled containers.
- Incompatibilities** : Segregate storage away from materials indicated in Section 10.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

Hydrotreated Heavy Naphthenic Distillate (64742-52-5)

ACGIH	ACGIH TWA (ppm)	5 mg/m ³ Oil Mist
OSHA	OSHA PEL (TWA) (mg/m ³)	10 mg/m ³ Oil Mist
California	California PEL (TWA) (mg/m ³)	5 mg/m ³

Solvent-Refined Light Paraffinic Distillate (64741-89-5)

ACGIH	ACGIH TWA (ppm)	5 mg/m ³ Oil Mist
OSHA	OSHA PEL (TWA) (mg/m ³)	10 mg/m ³ Oil Mist
California	California PEL (TWA) (mg/m ³)	5 mg/m ³

Hydrotreated Light Naphthenic Distillate (64742-53-6)

ACGIH	ACGIH TWA (ppm)	5 mg/m ³ Oil Mist
OSHA	OSHA PEL (TWA) (mg/m ³)	10 mg/m ³ Oil Mist
California	California PEL (TWA) (mg/m ³)	5 mg/m ³

Solvent-Dewaxed Heavy Paraffinic Petroleum Distillate (64742-65-0)

ACGIH	ACGIH TWA (ppm)	5 mg/m ³ Oil Mist
OSHA	OSHA PEL (TWA) (mg/m ³)	10 mg/m ³ Oil Mist
California	California PEL (TWA) (mg/m ³)	5 mg/m ³



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2-(2-Butoxyethoxy)Ethanol (112-34-5)

ACGIH	ACGIH TWA (mg/m ³)	10 ppm
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8.2 Exposure Controls

Engineering Measures	: Use only with adequate ventilation.
Personal Protective Equipment	
Eye / Face Protection	: Safety glasses with side shields are recommended as a minimum for any type of industrial chemical handling.
Hand Protection	: Chemical-resistant gloves, tested according to ASTM F903-17.
Remarks	: Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to the place of work.
Skin and Body Protection	: For brief contact, no precautions other than clean body-covering clothing should be needed.
Respiratory Protection	: An approved respirator with an organic vapor cartridge may be permissible under certain circumstances where airborne concentrations are expected to exceed occupational exposure limits. If needed, compliance with OSHA standard 29 CFR 1910.134 is necessary.
Compliance	: If needed, compliance with OSHA standard 29 CFR 1910.134 is necessary.
Other Protective Equipment	: Safety showers and eye-wash stations should be available in the workplace near where the material will be used.
Environmental Exposure Controls	: Avoid release to the environment.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

9.1 Physical Properties

Boiling Point	> 231.00 °C	Melting / Freezing Point	> -70.00 °C
Flash Point, Liquid	> 73.00 °C		
Explosive Limits	LEL: 0.85 UEL: 24.60 vol %	Autoignition Temperature, Liquid	> 204.00 °C
Flammability	Non-Flammable Liquid	Density	0.915 g/cm ³
Molecular Weight	Not Available	Weight	7.636 lbs/gal
Vapor Pressure	Not Available	pH	Not Available
Vapor Density	Not Available	Evaporation Rate (nBac=1)	Not Available
Viscosity	Not Available	Partition Coefficient (Log Pow)	Not Available
Odor Threshold	Not Available	Refractive Index	Not Available
Physical State	Liquid	Heat Of Combustion	Not Available
Appearance / Color	Clear Yellow to Amber	Water Solubility	Not Available
Odor	Mild.	Decomposition Temperature	Not Available

9.2 Environmental Properties

Percent Volatile	5.02 % wt	VOC Regulatory	0.00 g/L (0.00 lbs/gal)
Percent VOC	0.00 % wt	VOC Actual	0.00 g/L (0.00 lbs/gal)
Percent HAP	0.00 % wt	HAP Content	0.00 g/L (0.00 lbs/gal)
Global Warming Potential	0.00 GWP	Maximum Incremental Reactivity	0.1440 g O3/g
Ozone Depletion Potential	0.00 ODP		

SECTION 10 - STABILITY AND REACTIVITY

10.1 Reactivity

Reactivity : No specific test data related to reactivity is available for this products or its ingredients.

10.2 Chemical Stability

Chemical Stability : This product is stable.

10.3 Possibility of Hazardous Reactions

Hazardous Reactions : Under normal conditions of storage and use, hazardous reactions are not expected to occur.



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10.4 Conditions to Avoid

Conditions to Avoid : None Identified.

10.5 Incompatible Materials

Materials to Avoid : Strong Oxidizing Agents, Strong Acids, Bases, Calcium Hypochlorite, Perchloric Acid.

10.6 Hazardous Decomposition Products

Thermal Decomposition : Aldehydes.

SECTION 11 - TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects

Hydrotreated Heavy Naphthenic Distillate (CAS: 64742-52-5 / EC: 265-156-6)

LD50 Oral (Rat)	> 5000 mg/kg (ChemInfo)
LD50 Dermal (Rabbit)	> 2000 mg/kg (ChemInfo)
LC50 Inhalation (Rat)	2180 ml/m ³

Solvent-Refined Light Paraffinic Distillate (CAS: 64741-89-5 / EC: 265-156-6)

LD50 Oral (Rat)	> 5000 mg/kg (ChemInfo)
LD50 Dermal (Rabbit)	> 5000 mg/kg (ChemInfo)
LC50 Inhalation (Rat)	2180 ml/m ³

Hydrotreated Light Naphthenic Distillate (CAS: 64742-53-6 / EC: 265-156-6)

LD50 Oral (Rat)	> 5000 mg/kg (ChemInfo)
LD50 Dermal (Rabbit)	> 2000 mg/kg (ChemInfo)
LC50 Inhalation (Rat)	2180 ml/m ³ (RTECS)

Solvent-Dewaxed Heavy Paraffinic Petroleum Distillate (CAS: 64742-65-0 / EC: 265-156-6)

LD50 Oral (Rat)	> 5000 mg/kg (ChemInfo)
LD50 Dermal (Rabbit)	> 5000 mg/kg (ChemInfo)

2-(2-Butoxyethoxy)Ethanol (CAS: 112-34-5 / EC: 203-961-6)

LD50 Oral (Rat)	5660 mg/kg (RTECS)
LD50 Dermal (Rabbit)	4120 mg/kg (IUCLID)

Routes Of Exposure : Eye Contact, Ingestion, Skin Contact, Inhalation.

Delayed and Immediate Effects and Also Chronic Effects from Short and Long Term Exposure : See Section 4.2

Skin Corrosion/Irritation : Not classified

Eye Damage/Irritation : Not classified

Respiratory or Skin Sensitization : Not classified

Germ Cell Mutagenicity : Not classified

Reproductive Toxicity : Not classified

STOT-Single Exposure : Not classified

STOT-Repeated Exposure : Not classified

Aspiration Hazard : May be fatal if swallowed and enters airways.

Carcinogen Data : None of the ingredients in the product are listed with OSHA, IARC, NTP or ACGIH as being a suspected or known carcinogen in a concentration greater than 0.1% by weight.

SECTION 12 - ECOLOGICAL INFORMATION

12.1 Ecotoxicity and Ecological Properties

Hydrotreated Heavy Naphthenic Distillate (64742-52-5)

LC50 Fish	> 5000 mg/l Rainbow Trout - 96hr
EC50 Daphnia	> 1000 mg/l Water Flea - 48hr



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Hydrotreated Heavy Naphthenic Distillate (64742-52-5)

Persistence and Degradability	Biodegradability in water: no data available.
Log Pow	> 6.5
Bioaccumulative Potential	No bioaccumulation data available.

Solvent-Refined Light Paraffinic Distillate (64741-89-5)

LC50 Fish	> 5000 mg/l Rainbow Trout - 96hr
EC50 Daphnia	> 1000 mg/l Water Flea - 48hr
Persistence and Degradability	Biodegradability in water: no data available.
Log Pow	> 6.5
Bioaccumulative Potential	No bioaccumulation data available.

Hydrotreated Light Naphthenic Distillate (64742-53-6)

LC50 Fish	> 5000 mg/l Rainbow Trout - 96hr
EC50 Daphnia	> 1000 mg/l Water Flea - 48hr
Persistence and Degradability	Biodegradability in water: no data available.
Log Pow	> 6.5
Bioaccumulative Potential	No bioaccumulation data available.

Solvent-Dewaxed Heavy Paraffinic Petroleum Distillate (64742-65-0)

LC50 Fish	> 5000 mg/l Rainbow Trout - 96hr
EC50 Daphnia	> 1000 mg/l Water Flea - 48hr
Persistence and Degradability	Biodegradability in water: no data available.
Log Pow	> 6.5
Bioaccumulative Potential	No bioaccumulation data available.

Barium Sulfonate (7787-39-5)

Bioaccumulative Potential	No bioaccumulation data available.
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2-(2-Butoxyethoxy)Ethanol (112-34-5)

LC50 Fish	1300 mg/l Bluegill Sunfish - 96h
EC50 Daphnia	> 100 mg/l Water Flea - 48hr
EC50 Other Aquatic Organisms	> 100 mg/l Green Algae - 96hr
Persistence and Degradability	Readily biodegradable in water. Biodegradable in the soil. No (test) data on mobility of the substance available. Photodegradation in the air.
Biochemical Oxygen Demand	0.25 g O ₂ /g substance
Chemical Oxygen Demand	2.08 g O ₂ /g substance
Theoretical Oxygen Demand	2.173 g O ₂ /g substance
Biodegradation	58 % 28 Days
BCF Fish	0.46 (BCF)
Log Pow	0.56 (Experimental Value)
Bioaccumulative Potential	Low potential for bioaccumulation (Log Kow < 4).
Log Koc	1

SECTION 13 - DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Waste Disposal	: Although this product is non-hazardous, contamination from a variety of means is possible. Waste stream classification can change with product use and location. . It is the responsibility of the user to determine the proper storage, transportation, treatment, and/or disposal methodologies for spent materials and residues at the time of disposition. All waste must be disposed of in compliance with the respective national, federal, state, and/or local regulations.
Waste Disposal Of Packaging	: Consult with your local landfill to determine if empty small containers can be disposed of along with regular trash pickup. For disposal of large containers (typically 10 gallons or larger), or for containers not suitable for landfill, a licensed reconditioner should be used.
Landfill Precautions	: Not Available.
Incineration Precautions	: Not Available.

SECTION 14 - TRANSPORTATION INFORMATION



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14.1 UN Number	DOT (USA)	IATA (AIR)	IMDG (OCEAN)
UN Number	NONE	NONE	NONE
14.2 UN Proper Shipping Name	DOT (USA)	IATA (AIR)	IMDG (OCEAN)
UN Proper Shipping Name	Non-Regulated Material	Non-Regulated Material	Non-Regulated Material
14.3 Transport Hazard Class(es)	DOT (USA)	IATA (AIR)	IMDG (OCEAN)
Transport Hazard Class(es)	None	None	None
EmS Code	Not Applicable	Not Applicable	Not Applicable
14.4 Packing Group	DOT (USA)	IATA (AIR)	IMDG (OCEAN)
Packing Group	None	None	None
14.5 Environmental Hazards	DOT (USA)	IATA (AIR)	IMDG (OCEAN)
Marine Pollutant	No	No	No
14.6 Special Precautions			
Precautions	None Identified		
14.7 Transport in Bulk			
Remarks	Not applicable for product as supplied		

SECTION 15 - REGULATORY INFORMATION

15.1 Federal Regulations

- SARA Section 313** : This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.
- TSCA Section 12(b)** : This product or mixture is not known to contain a chemical or chemicals subject to the export notification requirements of section 12(b) of the Toxic Substances Control Act (TSCA) and 40 CFR Part 707, subpart D
- CERCLA Reportable Quantity** : This product or mixture is not known to contain a chemical or chemicals subject to the release reporting requirements of section 102 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)

15.2 State Regulations

- California Proposition 65** : This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm
- State Right-to-Know Lists** : None of the ingredients are known to appear on any state Right to Know list

SECTION 16 - OTHER INFORMATION

Indication of changes

Section	Changed item	Change
1	Supersedes	Added
1	SDS US Regulation reference	Added
1	Revision date	Modified
1	Date of issue	Modified
8.2	Compliance	Added
8.2	Remarks	Added
8.2	Hand Protection	Added
9	Relative vapor density at 20 °C	Added
9	Appearance	Added
9	Melting point	Modified
9	Explosive limits (vol %)	Modified
9	Auto-ignition temperature	Modified
14	User Precautions	Added
14	EmS Code (Column 15 in IMDG Book 2)	Added



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Full Text of H-Statements

H Code	H Phrase
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H319	Causes serious eye irritation
H332	Harmful if inhaled

Disclaimer of Liability

The information contained herein is based upon data provided to us by our suppliers, and reflects our best judgement. However, no warranty of merchantability, fitness for any use, or any other warranty or guarantee is expressed or implied regarding the accuracy of such data, or the results to be obtained from use thereof. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar, we do not assume any responsibility for the results of such application. This information is furnished upon the condition that the persons receiving it shall make their own determinations of the suitability of the material for any particular use. Although certain hazards are described herein, we cannot guarantee these are the only hazards that exist.