Safety Data Sheet

Revision Date: 02-11-2016
Product Code: 21064

1. IDENTIFICATION

Product Name	**CHEM-O-PON REDUCER 180/4**
Product Code	21064
Document ID	G21064
Revision Number	1
Prior Version Date	None
Intended Use	Solvent, Containing Petroleum Distillates
Restrictions On Use	For Industrial Use Only
Chemical Family	Solvent Mixture/Thinner
Chemical Manufacturer / Importer	Hempel (USA), Inc. Jones-Blair Division 2728 Empire Central Dallas, TX 75235 1-214-353-1600
Emergency Telephone Number:	ChemTrec Center 1-800-424-9300 **International:** 703-527-3887

2. HAZARD(S) IDENTIFICATION

Classification of the chemical in accordance with paragraph (d) of §1910.1200;

Hazard Pictograms

GHS Classification

Serious Eye Damage/Eye Irritation Category 1
Skin Corrosion/Irritation Category 2
Carcinogenicity Category 2
Reproductive Toxicity Category 2
Specific Target Organ Systemic Toxicity (STOT) - Repeated Exposure Category 2
Flammable Liquid Category 3
Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 3
Acute Toxicity - Inhalation Vapour Category 4
Acute Toxicity - Oral Category 4

Signal Word

Danger

Hazard Statements

Flammable liquid and vapour. Harmful if swallowed or if inhaled. Causes skin irritation. Causes serious eye damage. May cause respiratory irritation. May cause drowsiness or dizziness. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure.

Precautionary Statements

Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, sparks, open flames and hot surfaces. No smoking. Ground/bond container and receiving

	equipment. Use explosion-proof electrical, ventilating, and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe dust, fume, mist, vapours or spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves, protective clothing, eye protection and face protection. Use personal protective equipment as required.
Response	IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical attention. Immediately call a POISON CENTER or physician. Get medical attention if you feel unwell. Rinse mouth. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash before reuse. In case of fire: Use alcohol resistant foam, carbon dioxide, dry chemical, or water spray for extinction.
Storage	Store locked up. Store in a cool, well-ventilated place. Keep container tightly closed.
Disposal	Dispose of contents and container in accordance with all local, regional, national and international regulations.
Hazards Not Otherwise Classified (HNOC)	Not applicable

Additional Information

Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Component	CAS #	%
Xylene	1330-20-7	40 - 60
n-Butyl alcohol	71-36-3	10 - 30
4-Methyl-2-pentanone	108-10-1	10 - 30
Ethylbenzene	100-41-4	5 - 10
Ethylene glycol mono-n-butyl ether	111-76-2	3 - 7
Toluene	108-88-3	0.1 - 1

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

Inhalation	Remove individual to fresh air after an airborne exposure if any symptoms develop as a precautionary measure.
Eye Contact	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.
Skin Contact	Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.
Ingestion	If swallowed, do not induce vomiting. Get medical attention immediately. Induce vomiting as a last measure. Induced vomiting may lead to aspiration of the material into the lungs potentially causing chemical pneumonitis that may be fatal.

Most Important Acute Symptoms and Effects	Not Available
Most Important Delayed Symptoms and Effects	Not Available
Special treatment needed:	No additional first aid information available

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water spray or fog may also be effective for extinguishing if swept across the base of the fire. Water can also be used to absorb heat and minimize fire damage.
Unsuitable Extinguishing Media	No data available
Fire and/or Explosion Hazards	Vapors may be ignited by sparks, flames or other sources of ignition if material is above the flash point giving rise to a fire (Class B). Vapors are heavier than air and may travel to a source of ignition and flash back. Container may explode in heat of fire.
Hazardous Combustion Products	Carbon dioxide, Carbon monoxide, Sulfur containing gases, Toxic fumes, Hydrocarbons, Toxic gases
Special Protective Equipment and Precautions for Fire-Fighters	Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Flammable component(s) of this material may be lighter than water and burn while floating on the surface. Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures	Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section VIII of this SDS. Additional precautions may be necessary based on special circumstances created by the spill including the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill.
Methods and Material for Containment and Cleaning Up	Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Dike with suitable absorbent material. Gather and store in a sealed container pending disposal. Shut off ignition sources; including electrical equipment and flames. Do not allow smoking in the area.

7. HANDLING AND STORAGE

Precautions for Safe Handling	Harmful or irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. Follow all protective equipment recommendations provided in Section VIII. Use spark-proof tools and explosion-proof equipment. As with all chemicals, good industrial hygiene practices should be followed when handling this material. Wash thoroughly after handling. Do not get in eyes, on skin and clothing. Use non-sparking tools when opening or closing containers. Ground and bond containers when transferring material. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Remove contaminated clothing and wash before reuse.
Conditions for Safe Storage	Store in a cool dry place. Keep container(s) closed. Keep away from sources of ignition.
Materials to Avoid/Chemical	Oxidizing agents, Alkaline earth metals, Acids, Caustics (bases, alkalis)

Incompatibility

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

Chemical Component	OSHA PEL	ACGIH TLV-TWA	ACGIH STEL
Xylene	100 ppm TWA; 435 mg/m³ TWA	100 ppm TWA; 434 mg/m³ TWA	150 ppm STEL; 651 mg/m3 STEL
n-Butyl alcohol	100 ppm TWA; 300 mg/m3 TWA	20 ppm TWA; 61 mg/m3 TWA	
Methyl Isobutyl Ketone	100 ppm TWA; 410 mg/m3 TWA	50 ppm TWA; 205 mg/m3 TWA	75 ppm STEL; 307 mg/m3 STEL
Ethylbenzene	100 ppm TWA; 435 mg/m³ TWA	100 ppm TWA; 434 mg/m³ TWA	125 ppm STEL; 543 mg/m³ STEL
Butoxy Ethanol	50 ppm TWA; 240 mg/m³ TWA	20 ppm TWA; 97 mg/m³ TWA	

Appropriate Engineering Controls Local exhaust ventilation or other engineering controls may be required when handling or using this product to avoid overexposure. Engineering controls must be designed to meet the OSHA chemical specific standard in 29 CFR 1910. Explosion proof exhaust ventilation should be used.

Respiratory Protection General or local exhaust ventilation is the preferred means of protection. In cases where ventilation is inadequate, respiratory protection may be required to avoid overexposure. Follow respirator manufacturer's directions for respirator use.

Eye Protection Wear safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Have an eye wash station available.

Skin Protection Where use can result in skin contact, practice good personal hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work. Clothing suitable to prevent skin contact.

Other Protective Equipment Nitrile Impervious rubber

General Hygiene Conditions Follow all protective equipment recommendations provided in Section VIII. Use spark-proof tools and explosion-proof equipment. As with all chemicals, good industrial hygiene practices should be followed when handling this material. Wash thoroughly after handling. Do not get in eyes, on skin and clothing. Use non-sparking tools when opening or closing containers. Ground and bond containers when transferring material. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Remove contaminated clothing and wash before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance
- **Physical State** Liquid
- **Color** Colorless

Odor Ketone
Odor Threshold No data available
pH No data available
Melting Point/Freezing Point (℉/℃) No data available / No data available
Initial Boiling Point and Boiling Range
- **Low (℉)** 237.0
- **High (℉)** 342.0

Flash Point (℉/℃) 97 / 36
Evaporation Rate 1.60 (n-Butyl Acetate = 1.0)

Flammability (solid, gas)	No data available
Upper Flammable/Explosive Limit	11.2
Lower Flammable/Explosive Limit	1.0 %
Vapor Pressure	20.00 mbar
Vapor Density	4.00 (air = 1)
Relative Density	0.864
Solubility in Water	Low; 10-39%
Partition coefficient: n-octanol/water	No data available
Auto-ignition Temperature	No data available
Decomposition Temperature:	No data available
Volatiles, % by volume	100.00
Volatiles, % by weight	100.00
Volatile Organic Chemicals (g/L)	
(Regulatory, Calculated)	836.90
(Actual, Calculated)	836.90
Density	7.11 - 7.31 lbs./Gal

10. STABILITY AND REACTIVITY

Chemical stability	Stable under normal conditions.
Possibility of Hazardous Reactions	No data available
Conditions to Avoid	Sparks, open flame, other ignition sources, and elevated temperatures. Contamination.
Incompatible Materials	Oxidizing agents, Alkaline earth metals, Acids, Caustics (bases, alkalis)
Hazardous Decomposition Products	Carbon dioxide, Carbon monoxide, Sulfur containing gases, Toxic fumes, Hydrocarbons, Toxic gases

11. TOXICOLOGICAL INFORMATION

Routes of Exposure
Inhalation
Skin contact
Eye contact
Skin absorption
Ingestion

Immediate (Acute) Health Effects by Route of Exposure

Inhalation Irritation	Causes nose and throat irritation.
Inhalation Toxicity	Vapor harmful. May affect the brain or nervous system causing dizziness, headache or nausea.
Skin Contact	Can cause moderate skin irritation.
Skin Absorption	May be harmful if absorbed through skin.
Eye Contact	Causes eye irritation.
Ingestion Toxicity	Harmful if swallowed. Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal.

Long-Term (Chronic) Health Effects

Carcinogenicity	Possible cancer hazard. Contains ethylbenzene which may cause cancer based on animal data. (Risk of cancer depends on duration and level of exposure.)
Reproductive and Developmental Toxicity	Xylene may cause adverse reproductive and/or developmental effects. Pregnant women may be at an increased risk from exposure. Contains butoxy ethanol which has been shown to cause harm to the fetus in laboratory animal studies. The relevance of these findings to humans is uncertain.
Mutagenicity	Xylene has been shown to be positive in mutagenicity assays.
Inhalation	NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system

damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

Skin Absorption Upon prolonged or repeated exposure, harmful if absorbed through the skin. May cause minor systemic damage.

Product Toxicology Data

Dermal Acute Toxicity Estimate (ATE) 2,561.73 mg/kg

Component Toxicology Data

Chemical Component	Oral LD50	Dermal LD50	Inhalation LC50
Xylene	Oral LD50 Rat 3523 mg/kg	Dermal LD50 Rabbit 1100 mg/kg	Inhalation LC50 (4h) Rat 11.00 mg/L
n-Butyl alcohol	Oral LD50 Rat 790 mg/kg	Dermal LD50 Rat 3400 mg/kg	Inhalation LC50 (4h) Rat 24.24 mg/L
4-Methyl-2-pentanone	Oral LD50 Rat 2080 mg/kg	Dermal LD50 Rabbit > 2000 mg/kg	Inhalation LC50 (4h) Rat 8.20 - 16.40 mg/L
Ethylbenzene	Oral LD50 Rat 3500 mg/kg	Dermal LD50 Rabbit 5510 mg/kg	Inhalation LC50 (4h) Rat 17.00 mg/L
Ethylene glycol mono-n-butyl ether	Oral LD50 Rat 1300 mg/kg	Dermal LD50 Rabbit > 2000 mg/kg	Inhalation LC50 (6h) Rat > 500.00 ppm

Carcinogen Information

Chemical Name	IARC Carcinogen	OSHA Carcinogen	NTP Carcinogen
4-Methyl-2-pentanone	2B		
Ethylbenzene	2B		

12. ECOLOGICAL INFORMATION

Ecotoxicity (aquatic and terrestrial, where available) No data available

Mobility in soil No data available

13. DISPOSAL CONSIDERATIONS

Safe Handling of Waste Refer to other sections of this SDS to determine the toxicity and physical characteristics of the material to determine the proper waste identification and disposal in compliance with applicable regulations.

14. TRANSPORT INFORMATION

This section provides basic shipping classification information and does not contain all regulatory transportation details. Refer to all applicable regulations for domestic, international, air, vessel and ground transportation requirements and restrictions.

DOT Basic Description: Paint Related Material
Hazard Class: 3
UN Number: UN1263
Packing Group: III
Other: This product qualifies for a limited quantity exception per CFR173.150(b)(3) for inner containers <= 1.3 gallons (5L) and total gross package wt <= 66 lbs (30kg).

Marine Pollutant: No

15. REGULATORY INFORMATION

Safety Data Sheet

TSCA Status All components of this product are either listed on the TSCA Inventory; or, are not subject to the inventory notification requirements.

Regulated Components

SARA EHS Chemicals	**CAS #**	**%**
Not applicable		

CERCLA

Xylene (mixed isomers)	1330-20-7	40 - 60
n-Butyl alcohol	71-36-3	10 - 30
Methyl Isobutyl Ketone	108-10-1	10 - 30
Ethyl Benzene	100-41-4	5 - 10

SARA 313

Xylene (mixed isomers)	1330-20-7	40 - 60
n-Butyl alcohol	71-36-3	10 - 30
Methyl Isobutyl Ketone	108-10-1	10 - 30
Ethylbenzene	100-41-4	5 - 10
Ethylene glycol mono-n-butyl ether	111-76-2	3 - 7

SARA 311/312

Health (Acute):	Y
Health (chronic):	Y
Fire (Flammable):	Y
Pressure:	N
Reactivity:	N

U. S. State Regulations:

California Prop 65 Chemicals

Cancer	**CAS #**	**%**
Methyl Isobutyl Ketone	108-10-1	10 - 30
Ethyl Benzene	100-41-4	5 - 10
Benzene	71-43-2	0.001- 0.01
Reproductive		
Methyl Isobutyl Ketone	108-10-1	10 - 30
Toluene	108-88-3	0.1 - 1
Benzene	71-43-2	0.001- 0.01

Canadian Regulations:

CEPA DSL:	The components of this product ARE listed on the Canadian Domestic Substances List.
WHMIS Hazard Class:	B2 D2A

16. OTHER INFORMATION

Revision Date	02-11-2016
Disclaimer	This SDS has been prepared in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200) and Canada's Controlled Product Regulations (CPR). To the best of our knowledge the information contained herein is accurate. Determination of safe handling, application and use of this material is the responsibility of the end user. This information is furnished without warranty, expressed or implied.