Safety Data Sheet: MANCO M-P SAE 80W90

Supercedes Date 03/09/2018 **Issuing Date** 10/26/2018

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name MANCO M-P SAE 80W90
Recommended use Lubricant
Information on Manufacturer
CERTIFIED LABS, DIV. OF NCH CORP.
BOX 152170
IRVING, TEXAS 75015

Product Code 0021
Chemical nature Petroleum Distillates
Emergency Telephone
(212)379-7110
Telephone inquiry
972-579-2477

2. HAZARD IDENTIFICATION

Color Amber **Physical state** Liquid **Odor** Oily

GHS Classification

Physical Hazards
None

Health Hazard
None

Other hazards
None

Labeling
Signal Word
Not classified

3. COMPOSITION / INFORMATION ON INGREDIENTS

The product contains no substances which at their given concentration, are considered to be hazardous to health.

4. FIRST AID MEASURES

General advice Avoid contact with skin, eyes and clothing. Avoid breathing mist.
Eye Contact No hazards which require special first aid measures.
Skin Contact No hazards which require special first aid measures.
Inhalation No hazards which require special first aid measures.
Ingestion No hazards which require special first aid measures.
Notes to physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point Not applicable **Method** Not applicable
Flammability Limits in Air %: Not applicable. **Upper:** No data available **Lower:** No data available
Suitable Extinguishing Media
Water spray. Carbon dioxide (CO2). Foam. Dry chemical. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Specific hazards arising from the chemical
Material can create slippery conditions.
Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, NOHSC (approved or equivalent) and full protective gear.

NFPA	**Health** 0	**Flammability** 1	**Instability** 0
HMIS -	**Health** 0	**Flammability** 1	**Instability** 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Use personal protective equipment. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.
Environmental precautions Do not flush into surface water or sanitary sewer system.
Methods for Containment Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth,

	diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
Methods for Cleaning Up	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Neutralizing Agent	Not applicable.

7. HANDLING AND STORAGE

Handling	Avoid contact with skin, eyes and clothing. Avoid breathing mist.						
Storage	Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.						
Storage Temperature	**Minimum**	5 °F / -15 °C		**Maximum**	150 °F / 66 °C		
Storage Conditions	**Indoor**	X	**Outdoor**	**Heated**		**Refrigerated**	

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines	This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
Engineering Measures	Ensure adequate ventilation, especially in confined areas. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.
Personal Protective Equipment	
Eye/Face Protection	Safety glasses with side-shields.
Skin Protection	For prolonged or repeated contact, use protective gloves with appropriate chemical resistance.
Respiratory Protection	In case of inadequate ventilation wear respiratory protection.
General Hygiene Considerations	Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid	**Viscosity**	153.39 cSt @ 40°C, 17.162 cSt @ 100°C
Color	Amber	**Odor**	Oily
Odor Threshold	Not applicable	**Appearance**	Transparent
pH	Not applicable	**Specific Gravity**	0.883
Evaporation Rate	0 (BuAc = 1)	**Percent Volatile (Volume)**	0
VOC Content (%)	0	**VOC Content (g/L)**	0
Vapor Pressure	No information available	**Vapor Density**	10.2 (Air=1)
Solubility	Immiscible	**n-Octanol/Water Partition**	No data available
Melting Point/Range	No data available	**Decomposition Temperature**	No data available
Boiling Point/Range	Not applicable	**Flammability (solid, gas)**	No data available
Flash Point	Not applicable	**Method**	Not applicable
Autoignition Temperature	No information available.		
Flammability Limits in Air %:	Not applicable	**Upper:** No data available **Lower:** No data available	

10. STABILITY AND REACTIVITY

Chemical Stability	Stable. Hazardous polymerization does not occur.
Conditions to Avoid	None known.
Incompatible Products	Strong oxidizing agents.
Decomposition Temperature	No data available
Hazardous Decomposition Products	Carbon oxides, Nitrogen oxides (NOx), Oxides of phosphorus, Sulfur oxides, Aldehydes, Hydrogen sulfide.
Possibility of Hazardous Reactions	None under normal processing.

11. TOXICOLOGICAL INFORMATION

Product Information	No information available.

The following values are calculated based on chapter 3.1 of the GHS document

Oral LD50	No information available
Dermal LD50	No information available
Inhalation LC50	
Gas	No information available
Mist	No information available
Vapor	No information available
Principle Route of Exposure	Skin contact, Eye contact, Inhalation.
Primary Routes of Entry	Skin Absorption.
Acute Effects:	

Eyes	Low hazard for usual industrial or commercial handling.
Skin	Low hazard for usual industrial or commercial handling.
Inhalation	Low hazard for usual industrial or commercial handling.
Ingestion	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Chronic Toxicity:	No information available.
Target Organ Effects:	No information available.
Aggravated Medical Conditions	No information available.
Component Information	No information available.
Acute Toxicity	No information available.
Chronic Toxicity	No information available.
Carcinogenicity	There are no known carcinogenic substances in this product.

12. ECOLOGICAL INFORMATION

Product Information	No information available.
Component Information	No information available.
Persistence and Degradability	No information available.
Bioaccumulation	No information available.
Mobility	No information available.

13. DISPOSAL CONSIDERATIONS

Product Disposal	Dispose of contents/container in accordance with local regulation.
Container Disposal	Empty containers should be taken for local recycling, recovery, or waste disposal. Do not re-use empty containers.

14. TRANSPORT INFORMATION

DOT	Not regulated
TDG	Not regulated
ICAO	Not regulated
IATA	Not regulated
IMDG/IMO	Not regulated

15. REGULATORY INFORMATION

Inventories

TSCA	Complies
DSL	Complies

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazardous Categorization

See Section 2

CERCLA

16. OTHER INFORMATION

Prepared By	Pamela Starkey
Supercedes Date	03/09/2018
Issuing Date	10/26/2018
Reason for Revision	No information available.
Glossary	No information available.
List of References.	No information available.

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