Material Safety Data Sheet

Conforms to OSHA Hazard Communication Standard (HCS) (29 CFR 1910.1200 / revised 2024)

ZChek-801 CART OIL

Section 1: Product and Company identification

1.1 Product Name: ZChek- 801 Cart Oil

1.2 Product Use: Magnetic Particle Inspection Process.

1.3 Manufacturer Information: ZChem Specialities Private Limited.
Sy No11/2/6, Puradapalya village, Tavarekere Hobli Bangalore,Karnataka-562130, India

1.4 Supplier : ZChem Specialities USA LLC
1115 E cottonwood Ln, Suite 150, Casa Grande, AZ 85122

1.5 Emergency Telephone Number: +91-9959963334

Section 2: Hazards Identification

OSHA/HCS STATUS
This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE
Asp. Tox. 1; H304, May be fatal if swallowed and enters airways.

2.2. Label Elements
Hazardous symbol



Signal word	:	Danger
Hazard statement(s)	:	May be fatal if swallowed and enters airways. (H304)
Precautionary statement(s)	:	
General	:	-
Prevention	:	-
Response	:	IF SWALLOWED: Immediately call a POISON CENTER/doctor. (P301+P310) Do NOT induce vomiting. (P331)
Storage	:	-
Disposal	:	Dispose of contents/container in accordance with local regulation (P501)
Additional labelling	:	Not applicable.

2.3. OTHER HAZARDS

Section 3: Information and Ingredients

3.1. SUBSTANCES

Not applicable. This product is a mixture.

3.2. MIXTURES

Product/substance	Identifiers	%w/w	Classification	Note
Distillates (petroleum), hydrotreated light	CAS No.: 64742-47-8	95-100%	Asp. Tox. 1, H304	[19]

Where the concentration of an ingredient is expressed as a range the exact concentration has been withheld as a trade secret.

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

OTHER INFORMATION

[19] UVCB = Unknown or variable composition, complex reaction products or of biological materials

Section 4: First Aid Measures

4.1. DESCRIPTION OF FIRST AID MEASURES

General information	:	If breathing is irregular, drowsiness, loss of consciousness or cramps: Call 911 and give immediate treatment (first aid). Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.
Inhalation	:	Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.
Skin contact	:	Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners. If skin irritation occurs: Get medical advice/attention.
Eye contact	:	If in eyes: Flush eyes immediately with plenty of water or isotonic water (20-30 °C) for at least 5 minutes and continue until irritation stops. Remove contact lenses. Contact a doctor. Continue flushing during transport.
Ingestion	:	IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do not induce vomiting! If vomiting occurs, keep head facing down so that vomit does not get into the lungs. Call a doctor or ambulance. Symptoms of chemical pneumonia can appear after several hours. People who have swallowed the product should therefore be kept under medical attention for at least 48 hours.
Burns	:	Not applicable.

4.2. MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

This product contains substances that can cause chemical pneumonia if swallowed
Symptoms of chemical pneumonia may appear after several hours.

4.3. INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

IF exposed or concerned: Get immediate medical advice/attention.

INFORMATION TO MEDICS

Bring this safety data sheet or the label from this product

Section 5: Fire Fighting Measures

5.1. EXTINGUISHING MEDIA

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.
Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

5.2. SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire extinguishing water to enter the sewage system and nearby surface waters.

5.3. ADVICE FOR FIREFIGHTERS

Wear self-contained breathing apparatus and protective clothing to prevent contact.

Section 6: Accidental Release Measures

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Avoid direct contact with spilled substances.
Contaminated areas may be slippery.

6.2 ENVIRONMENTAL PRECAUTIONS

Avoid discharge to lakes, streams, sewers, etc.
Keep unauthorized persons away from the spill

6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. REFERENCE TO OTHER SECTIONS

See section 13 “Disposal considerations” on handling of waste.
See section 8 "Exposure controls/personal protection" for protective measures.

Section 7: Handling and Storage

7.1 PRECAUTIONS FOR SAFE HANDLING

Avoid direct contact with the product.
Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material	:	Always store in containers of the same material as the original container.
Storage conditions	:	No specific requirements
Incompatible materials	:	Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. SPECIFIC END USE(S)

This product should only be used for applications quoted in section 1.2.

Section 8: Exposure Control

8.1. CONTROL PARAMETERS

No substances are listed with a permissible exposure limit (ref: 29 CFR 1910.1000 TABLE Z-1)

8.2. EXPOSURE CONTROLS

Apply general control to prevent unnecessary exposure

General recommendations	:	Smoking, drinking and consumption of food is not allowed in the work area.
Exposure scenarios	:	There are no exposure scenarios implemented for this product.
Exposure limits	:	Occupational exposure limits have not been defined for the substances in this product.
Appropriate technical measures	:	Apply standard precautions during use of the product. Avoid inhalation of vapours.
Hygiene measures	:	In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Pay special attention to hands, forearms and face.
Measures to avoid environmental exposure	:	Keep damming materials near the workplace. If possible, collect spillage during work.

INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT

Generally : Use only protective equipment with a recognized certification mark. e.g. the UL

Respiratory Equipment:

Type	Class	Colour	Standards	
In case of inadequate ventilation wear respiratory protection.Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.				

Skin protection : No specific requirements.

Hand protection :

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
Nitrile	0,38	> 480	EN374-2, EN16523-1, EN388	

Eye protection :

Type	Standards	
Safety glasses	EN166	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Physical state	:	Liquid
Color	:	Pale yellow
Odor	:	Mild
Odor threshold (ppm)	:	No data available
pH	:	Neutral
Density (g/cm^3)	:	0.81 (68 °F)
Relative density	:	0.81 (68 °F)
Kinematic viscosity	:	2.2-2.9 centistokes (104 °F)
Particle characteristics	:	Not applicable - product is a liquid

PHASE CHANGES

Melting point/freezing point (°F)	:	No data available
Softening point/range (°F)	:	Does not apply to liquids.
Boiling point (°F)	:	>446
Boiling point (°C)	:	>230
Vapor pressure	:	No data available
Relative vapor density	:	No data available
Decomposition temperature (°F)	:	No data available

DATA ON FIRE AND EXPLOSION HAZARDS

Flash point (°F)	:	> 200
Flash point (°C)	:	>93.3
Flammability (°F)	:	The material is not combustible.
Auto-ignition temperature (°F)	:	No data available
Explosion limits (% v/v)	:	No relevant or available data due to the nature of the product.

SOLUBILITY

Solubility in water	:	Insoluble
n-octanol/water coefficient (LogKow)	:	No data available
Solubility in fat (g/L)	:	No data available

9.2. OTHER INFORMATION

VOC (g/L)	:	234
Other physical and chemical parameters	:	No data available
Oxidizing properties	:	No data available

SECTION 10: STABILITY AND REACTIVITY

10.1. REACTIVITY

No data available.

10.2. CHEMICAL STABILITY

The product is stable under the conditions, noted in section 7 “Handling and storage”.

10.3. POSSIBILITY OF HAZARDOUS REACTIONS, INCLUDING THOSE ASSOCIATED WITH FORESEEABLE EMERGENCIES

None known.

10.4. CONDITIONS TO AVOID

Do not expose to any forms of heat (e.g. solar radiation).
May lead to excess pressure.

10.5. INCOMPATIBLE MATERIALS

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

10.6. HAZARDOUS DECOMPOSITION PRODUCTS

Under normal conditions of storage and use, hazardous decomposition products should not be produced

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. INFORMATION ON TOXICOLOGICAL EFFECTS

ACUTE TOXICITY

Product/substance	:	Distillates (petroleum), hydrotreated light
Species	:	Rat
Route of exposure	:	Oral
Test	:	LD50
Result	:	> 5000 mg/kg

Product/substance	:	Distillates (petroleum), hydrotreated light
Species	:	Rabbit
Route of exposure	:	Dermal
Test	:	LD50
Result	:	> 5000 mg/kg

Product/substance	:	Distillates (petroleum), hydrotreated light
Species	:	Rat
Route of exposure	:	Inhalation
Test	:	LC50 (4 hours)
Result	:	> 5000 mg/m^3

SKIN CORROSION/IRRITATION

Based on available data, the classification criteria are not met.

SERIOUS EYE DAMAGE/IRRITATION

Based on available data, the classification criteria are not met.

RESPIRATORY SENSITISATION

Based on available data, the classification criteria are not met.

SKIN SENSITISATION
Based on available data, the classification criteria are not met.

GERM CELL MUTAGENICITY
Based on available data, the classification criteria are not met.

CARCINOGENICITY
Based on available data, the classification criteria are not met.

REPRODUCTIVE TOXICITY
Suspected of damaging the unborn child.

STOT-SINGLE EXPOSURE
Based on available data, the classification criteria are not met.

STOT-REPEATED EXPOSURE
Based on available data, the classification criteria are not met.

ASPIRATION HAZARD
May be fatal if swallowed and enters airways.

LONG TERM EFFECTS
None known.

OTHER INFORMATION
None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1. TOXICITY
No data available.

12.2. PERSISTENCE AND DEGRADABILITY
Based on available data, the classification criteria are not met.

12.3. BIOACCUMULATIVE POTENTIAL
Based on available data, the classification criteria are not met.

12.4. MOBILITY IN SOIL
No data available.

12.5. RESULTS OF PBT AND VPVB ASSESSMENT
This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. OTHER ADVERSE EFFECTS

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

RCRA HAZARDOUS WASTE ("P" AND "U" LIST) (40 CFR 261)

None of the components are listed

SPECIFIC LABELLING

CONTAMINATED PACKING

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	UN / ID	UN proper shipping name	Hazard class(es)	PG*	Env**	Other information:
DOT	-		Transport hazard class: Not regulated for transport	-	No	See below for additional information.
IMDG	-		Transport hazard class: Not regulated for transport	-	No	See below for additional information.
IATA	-		Transport hazard class: Not regulated for transport	-	No	See below for additional information.

* Packing group
** Environmental hazards

ADDITIONAL INFORMATION

DOT / See -172.101 Hazardous Materials Table for any information on special provisions, requirements, or warnings in connection with transport. See -172.602, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport.
IMDG / See section 3.2.1, for any information on special provisions, requirements, or warnings in connection with transport.
IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with transport.

14.1. SPECIAL PRECAUTIONS FOR USER
Not applicable.

14.2. TRANSPORT IN BULK ACCORDING TO IMO INSTRUMENTS
No data available.

SECTION 15: REGULATORY INFORMATION

15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

15.2. U.S. FEDERAL REGULATIONS

TSCA (the non-confidential portion):	Distillates (petroleum), hydrotreated light is listed
Clean Air Act:	None of the components are listed
EPCRA Section 302	None of the components are listed
EPCRA Section 304:	None of the components are listed
EPCRA section 313:	None of the components are listed
CERCLA:	None of the components are listed
Hazardous chemical inventory reporting:	This product is subject to Tier II reporting.

STATE REGULATIONS

California / Prop. 65:	See product label for Prop 65 Statement (if applicable)
Massachusetts / Right To Know Act:	None of the components are listed
New Jersey / Right To Know Act:	None of the components are listed
New York / Right To Know Act:	None of the components are listed
Pennsylvania / Right To Know Act:	None of the components are listed

NEPA

Health hazard: 1
Fire hazard: 1
Instability hazard: 0

15.4. RESTRICTIONS FOR APPLICATION
Restricted to professional users.

15.5. DEMANDS FOR SPECIFIC EDUCATION
No specific requirements.

15.6. ADDITIONAL INFORMATION
Not applicable.

15.7. CHEMICAL SAFETY ASSESSMENT

No

15.8. SOURCES

OSHA Hazard Communication Standard (29 CFR 1910.1200)

SECTION 16: OTHER INFORMATION

FULL TEXT OF H-PHRASES AS MENTIONED IN SECTION 3

H304, May be fatal if swallowed and enters airways

THE FULL TEXT OF IDENTIFIED USES AS MENTIONED IN SECTION 1

None known.

Disclaimer

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