Cognis Corporation

Material Safety Data Sheet

SDS no. : 321451

ROADRANGER HLA

Revision: 06/17/2009
printing date: 06/17/2009

1. Chemical product and company identification

Product name:
ROADRANGER HLA
Supplier
Cognis Corporation
5051 Estecreek Drive
Cincinnati, OH 45232-1446
Phone: +1 (866) 910-0598
Fax-no.: +1 (513) 482-3576

Emergency Information Chemtrec:
+1-800-424-9300

2. Composition / information on ingredients

General chemical description:
Proprietary hydraulic fluid

COMPONENT:	CAS-No.	CONCENTRATION (Wt. %):
Proprietary component(s)		100

3. Hazards identification

EMERGENCY OVERVIEW

Caution:	Causes eye irritation. May be harmful if inhaled.

Delivery state:
liquid

State:
clear
liquid

Odor:
little intrinsic odour

Color(s):
amber

Routes of entry:
Skin contact

Potential Health Acute Effects:
Inhalation:
Prolonged or excessive inhalation may cause respiratory tract irritation.

Skin contact:
May cause slight irritation.

Eye contact:
May cause eye irritation.

Ingestion:
May be harmful if swallowed in large quantities.

Existing conditions aggravated by exposure:
May aggravate existing skin, eye and respiratory conditions.

Potential Chronic Health Effects:
None known

4. First aid measures

After inhalation:
After inhalation of spray mist: seek medical advice.
Move to fresh air.

After skin contact:
Wash thoroughly with soap and water.
If adverse health effects develop seek medical attention.
Wash clothing before reuse.

After eye contact:
Rinse immediately with plenty of running water (for 10 minutes). Seek medical attention if necessary.

After ingestion:
Do not induce vomiting.
If vomiting occurs naturally, keep airway clear.
Seek medical advice.

5. Fire fighting measures

Flash point:
343,4 °F (173.00 °C)
;; Flash Point, Pensky-Martens

Autoignition temperature:

Not determined

Flammable/Explosive limits:
Lower limits:
Not applicable
Upper limits:
Not applicable

Suitable extinguishing media:
fine water spray
Carbon dioxide.
Foam.
extinguishing powder

Improper extinguishing media:
High pressure waterjet

Special protection equipment for firefighters:
Wear self-contained breathing apparatus.
Wear full protective clothing.

Unusual fire or explosion hazards:
Water may spread fire (product floats on water).

Hazardous combustion products:
Carbon dioxide., carbon monoxide, phosphorus oxides, Sulphur oxides, nitrogen oxides

6. Accidental release measures

General information:
Danger of slipping on spilled product.
Clean up spills immediately.
Avoid open flames and sources of ignition.

Personal precautions:
Ensure cleanup is performed only by trained personnel wearing appropriate personal protective clothing and equipment.

Environmental precautions:

Prevent further leakage or spillage if safe to do so.
Do not empty into drains / surface water / ground water.

Process for cleaning and take-up:

Contain by diking then pump into suitable containers.
Soak up small spills with absorbent material and place in labeled containers for recovery or disposal.

7. Handling and storage

Handling:

Handling advice:

Open and handle container with care.
Avoid open flames.
Do not use as an aerosol.

Storage:

General storage advice:

Avoid container damage while handling and storing.
Avoid heating to decomposition.

Storage conditions to keep:

Store in a cool place in closed original container.
Keep away from heat and direct sunlight.

8. Exposure controls / personal protection

Indication for system design:

Ensure adequate ventilation.

Components with specific control parameters for workplace:

Valid for NAFTA Region (CA, US, MX)

Name on list	Basis	Type	Value	Category	Remarks
OIL MIST, MINERAL	ACGIH	Time Weighted Average (TWA).	5 mg/m^3		
OIL MIST, MINERAL	ACGIH	Short Term Exposure Limit (STEL):	10 mg/m^3		

Personal protection measures:

Respiratory protection:

Not applicable with adequate ventilation.
NIOSH/MSHA approved respirator if necessary.

Hand protection:
Neoprene gloves

Eye protection:
Wear tight fitting goggles.

Skin protection:
Wear suitable protective clothing.

9. Physical and chemical properties

General description:

Delivery state:	liquid
State:	clear liquid
Odor:	little intrinsic odour
Color(s):	amber

Designation	Value	Method
pH-value	Not determined	
Specific gravity	0.8500	
Solubility in Water	Insoluble	no information

10. Stability and reactivity

Stability:

Dangerous decomposition products:
Carbon dioxide.
Sulphur oxides
nitrogen oxides
phosphorus oxides
Irritating gases

Decomposition advices:
No decomposition if used according to specifications.

Reactivity:

Materials to avoid:
Strong Oxidizers

Hazardous polymerization:
Will not occur

11. Toxicological information

General toxicological information:

No toxicity information available or testing conducted on this product.

Any toxicological information included in this section is based upon data associated with the components or an analogous product.

12. Ecological information

General ecological information:

The ecological evaluation of the product is based on data from the raw material and/or comparable substances.

Acute fish toxicity:

LC50 > 100 mg product/l.

Acute bacterial toxicity:

EC50 > 100 mg product/l.

13. Disposal considerations

Waste disposal of product:

This product, if disposed as shipped, is not a hazardous waste as specified in 40 CFR 261.

Waste disposal with the approval of the responsible local authority.

14. Transport information

General information:

Not hazardous according to RID, ADR, ADNR, IMDG, IATA-DGR, CFR and TDG.

The transport information provided represents the regulatory transport classification of the product without consideration to packaging, quantity, or modal restrictions and exceptions. It is the user's responsibility to determine the appropriate packaging and modal requirements and/or limitations for the product quantity being shipped.

15. Regulatory information

TSCA Inventory Status: This product and/or all of its components are either included on or exempt from the TSCA Inventory of Chemical Substances.

SARA 311/312 Hazard Categories:	Immediate Health
TSCA 12(b) Components:	none
SARA 313 Toxic Chemicals:	US. EPA Emergency Planning and Community Right-To-Know Act (EPCRA) SARA Title III Section 313 Toxic Chemicals (40 CFR 372.65) - Supplier Notification Required Zinc compounds CAS: 0-00-0
SARA 302 Extremely Hazardous Substances:	none
CERCLA Hazardous Chemicals:	none
California Proposition 65:	No California Proposition 65 listed chemicals are known to be present.

16. Other information

NFPA Rating (US)	Value
Health	2
Fire	1
Reactivity	1
Special Hazard	

HMIS Rating (US)	Value
Health	2
Flammability	1
Reactivity	1

All information, recommendations, and suggestions appearing herein concerning our product are based upon tests and data believed to be reliable. However, it is the user's responsibility to determine the safety, toxicity, and suitability for his own use of the product described herein. Since the actual use by others is beyond our control, no guarantee, express or implied, is being made as to the effects of such use, the results obtained, or the safety and toxicity of the product nor is their any assumed liability arising out of use, by others, of the product referred to herein. The information herein is not to be construed as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.