



MATERIAL SAFETY DATA SHEET

Trade Name: FLOWLINE PHPA A30L RD

Revision Date: 01-Jan-2008

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade Name: FLOWLINE PHPA A30L RD

Generic Description: Xanthan Gum

Emergency Telephone (24 hr.): 1-800-324-0777

Supplied by: HiTech Fluid Systems Ltd.
1800, 505 - 3rd Street S.W.
Calgary, AB T2P 3E6
Tel: 403.547.2906
Fax: 403.547.3129
www.hitechfluid.com

2. COMPOSITION/INFORMATION ON THE COMPONENTS

Chemical Family: Anionic water-soluble polymer.

3. HAZARDOUS IDENTIFICATION

Aqueous solutions or powders that become wet render surfaces extremely slippery

4. FIRST AID MEASURES

Inhalation: Remove person to fresh air. Get medical attention for any breathing difficulty.

Skin Contact: Wash with water and soap as a precaution. In case of skin irritation, consult a physician.

Eye Contact: Rinse thoroughly with plenty of water. In case of persistent eye irritation, consult a physician.

Ingestion: No hazards which require special first aid measures.

5. FIRE FIGHTING MEASURES

Fire Extinguishing Media: Water, water spray, foam, dry powder, carbon dioxide (CO₂).

Special Fire-Fighting Precautions: Aqueous solutions or powders that become wet render surfaces extremely slippery.

Protective Equipment for Firefighters: No special protective equipment required.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: No special precautions required.

Environmental Precautions: Avoid contaminating water.

Methods for Cleaning Up: Do not flush with water. Clean up promptly by scoop or vacuum. Keep in suitable and closed containers for disposal. After cleaning, flush away traces with water

MATERIAL SAFETY DATA SHEET

Trade Name: FLOWLINE PHPA A30L RD

Page 2/4

7. HANDLING AND STORAGE

Handling: Avoid contact with skin and eyes. Avoid dust formation. Do not breathe dust. Wash hands before breaks and at the end of workday.

Storage: Keep in a dry, cool place (0 - 35°C).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Use local exhaust if dusting occurs. Natural ventilation is adequate in absence of dusts.

Personal Protection Equipment

Respiratory Protection: Dust safety masks are recommended where concentration of total dust is more than 10 mg/m³.

Hand Protection: Rubber gloves

Eye Protection: Safety glasses with side shields. Do not wear contact lenses.

Skin and Body Protection: No special protective clothing required.

Hygiene Measures: Wash hands before breaks and immediately after handling the product. Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Granular Powder

Colour: White

Odour: None

pH: 4 – 9 @ 5 g/l

Melting Point (°C): Not applicable

Flash Point: Not applicable

Autoignition Point (°C): Not applicable

Vapor Pressure (mm Hg): Not applicable

Bulk Density: See Technical Bulletin

Water Solubility: See Technical Bulletin

Viscosity (mPa s): See Technical Bulletin

10. STABILITY AND REACTIVITY

Stability: Product is stable, no hazardous polymerization will occur.

Materials to Avoid: Oxidizing agents may cause exothermic reactions.

Hazardous Decomposition: Thermal decomposition may produce: carbon oxides and nitrogen oxides (NO_x).

MATERIAL SAFETY DATA SHEET

Trade Name: FLOWLINE PHPA A30L RD

Page 3/4

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

- Oral:** LD50/oral/rat > 5000 mg/kg
- Dermal:** The results of testing on rabbits showed this material to be non-toxic even at high dose levels.
- Inhalation:** This product is not expected to be toxic by inhalation.

Irritation

- Skin:** The results of testing on rabbits showed this material to be non-irritating to the skin.
- Eyes:** Testing conducted according to the Draize technique showed the material produces no corneal or iridial effects and only slight transitory conjunctival effects similar to those which all granular materials have on conjunctivae.

Sensitization: The results of testing on guinea pigs showed this material to be non-sensitizing.

Chronic Toxicity: A two-year feeding study on rats did not reveal adverse health effects. A one-year feeding study on dogs did not reveal adverse health effects.

12. ECOLOGICAL INFORMATION

- Fish:** LC50/Fathead minnows/96 hours > 1000 mg/L
- Algae:** EC50/72h/Selenastrum capricornutum/96 hours > 500 mg/L

Bioaccumulation: The product is not expected to bioaccumulate

Persistence / Degradability: Not readily biodegradable

13. DISPOSAL CONSIDERATIONS

Waste from Residues / Unused Products: Dispose of material in accordance with all local, state and federal regulations.

Contaminated Packaging: Rinse empty containers with water and use the rinse water to prepare the working solution. Can be landfilled or incinerated, when compliance with local regulations.

14. TRANSPORT INFORMATION

Not regulated by the Department of Transportation

15. REGULATORY INFORMATION

RCRA Status: Not a hazardous waste.

Hazardous Waste Number: Not applicable

Reportable Quantity (40 CFR 302): Not applicable

Threshold Planning Quantity (40 CFR 355): Not applicable

HMIS & NFPA Ratings	HMIS	NFPA
Health:	1	1
Flammability:	0	0
Reactivity:	0	0

MATERIAL SAFETY DATA SHEET

Trade Name: FLOWLINE PHPA A30L RD

Page 4/4

16. OTHER INFORMATION

Abbreviations:

N/A:	Denotes no applicable information found or available.
CAS#:	Chemical Abstracts Service Number.
ACGIH:	American Conference of Governmental Industrial Hygienists.
NIOSH:	National Institute for Occupational Safety & Health.
OSHA:	Occupational Safety and Health Administration.
TLV:	Threshold Limit Value
PEL:	Permissible Exposure Limit
STEL:	Short Term Exposure Limit.
NTP:	National Toxicology Program.
IARC:	International Agency for Research on Cancer
LC50:	Lethal Concentration 50%
LD50:	Lethal Dose 50%
BOD:	Biological Oxygen Demand

Disclaimer:

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