



MATERIAL SAFETY DATA SHEET
671-01 / 671-032

Canutec 1-613-996-6666 (24 hours)

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product identification : 671-01 / 671-032
Product name : HSF 1 Extra cut advanced compound
Chemical family : Mixture
Supplier / Manufacturer : Auto-Chem Inc.
33 de Lyon
Repentigny, QC, Canada
J5Z 4Z3
Tel : 450-654-9292
Fax : 450-654-0633
www.autochem.com
Contact : Jean Dagenais

2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS	Percentage	Exposure limits
Acid treated light distillate	64742-14-9	7 – 13	TWA 5 mg/m ³ , ACGIH STEL 10 mg/m ³ , ACGIH TWA 5 mg/m ³ , OSHA IDLH 2055 mg/m ³ , NIOSH LD50 >2000 mg/kg, rabbit, dermal LD50 >5000 mg/kg, rat, oral LC50 >5000 ppm, rat
Naphtha hydrotreated	64742-48-9	3 – 7	LD50 >10000 mg/kg, rat, oral LD50 >3200 mg/kg, rabbit, oral
Aluminium oxide	1344-28-1	10 – 30	PEL 10.5 mg/m ³ OSHA TWA TLV 10 mg/m ³ (dust)
Isopropanol	67-63-0	3 – 7	200 ppm TWA-ACGIH 400 ppm STEL-ACGIH LD50 >4710 mg/kg, rat, oral LD50 > 12870 mg/kg, rabbit, dermal LC50 12000 ppm, 8 hrs, rat
White mineral oil	8042-47-5	3 – 7	LD50 50000 mg/kg, rat, oral LD50 2000 mg/kg, rabbit, dermal
1,2,3-Propanetriol	56-81-5	3 – 7	LD50 2000 mg/kg, rat, oral TLV TWA 10 mg/m ³ , ACGIH
Kaolin clay	66402-68-4	5 – 10	PEL TWA 10 mg/m ³ , OSHA TLV TWA 10 mg/m ³ , ACGIH

3. HAZARDS IDENTIFICATION

Routes of entry: Dermal contact. Eye contact. Inhalation. Ingestion.

Potential acute health effects :

Eye contact : Vapours are moderately irritating to the eyes.

Skin contact : Not a primary skin irritant after exposure of short duration.

Inhalation : Vapours are moderately irritating to respiratory passages. In rare case, may sensitize heart muscle causing heart arrhythmia.
Ingestion : Harmful if swallowed. May cause gastro-intestinal upset.

Potential chronic health effects :

Eye contact : None known.
Skin contact : Dermatitis, may defat the skin, allergic reactions.
Inhalation : Prolonged or repeated inhalation can cause coughing, shortness of breath, dizziness and intoxication, nausea and central nervous system depression.
Ingestion : Harmful if swallowed.

4. FIRST AID MEASURES

Eyes : Rinse immediately with water or a saline solution for 15 to 20 minutes, lifting upper and lower eyelids. Remove contact lenses. Obtain medical attention if irritation develops.
Skin : In case of direct contact, rinse with running water 15 to 20 minutes. Remove contaminated clothing and wash with soap and water.
Inhalation : Remove person to fresh air. In case of respiratory failure, give artificial respiration. In case of respiratory distress, obtain medical attention.
Ingestion : Do not induce vomiting. Never give anything by mouth to an unconscious or convulsing person. In case of respiratory or cardiac arrest, start cardio-pulmonary resuscitation and obtain medical attention.

5. FIRE FIGHTING MEASURES

Flash point : Not available.
Auto-ignition temperature : Not applicable.
Flammability limits – air (%) : Not available.
Extinguishing media : Carbon dioxide, water spray. Dry chemical foam water can be used to cool exposed containers.
Protective equipment : Self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals.
Hazardous combustion materials : Silicon oxides, carbon oxides, nitrous oxydes, formaldehydes.
Recommendations : Remove containers from area if safe to do so. Do not disperse with high pressure water jets. Dam water run-off. Cool containers with water.
Notes : Organic components can ignite once water has evaporated.

6. ACCIDENTAL RELEASE MEASURES

Restrict access to spill area to qualified personnel. Insure to have adequate ventilation. Do not touch spilled product. Prevent product from entering sewers or waterways. Stop leak if safe to do so.
Small spill : Dam area if necessary. Pump (if possible) and store in appropriate container. Contain and absorb product with suitable absorbing material. Store residues in closed containers identified for elimination.
Large spill : Dam area if necessary. Pump (if possible) and store in appropriate container. Contain and absorb product with suitable absorbing material. Store residues in closed containers identified for elimination.

7. HANDLING AND STORAGE

Handling : So not breathe vapours or aerosols. Avoid contact with eyes or skin by wearing appropriate equipment. Avoid contact with incompatible materials. Wash after handling the product. Wash contaminated clothing before reuse. Empty containers may contain residue. Dispose according to existing regulations.

Storage : Store in a cool and dry area, well ventilated and away from incompatible materials. Prevent from freezing.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Engineering controls : General ventilation is recommended.

Personal protection equipment for routine handling :

Eye : Safety glasses.
Skin : Long sleeves.
Gloves : Impervious gloves.
Inhalation : If needed, use a NIOSH/MSHA approved mask.

Personal protection equipment for spills :

Eyes : Safety glasses or goggles.
Skin : Long sleeves.
Gloves : Impervious gloves.
Inhalation : If needed, use a NIOSH/MSHA approved mask. If working in an enclosed space, an autonomous breathing mask is required.

Note : These precautions are for room temperature handling. Use at elevated temperatures of aerosol spray applications may require added protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state : Viscous liquid.
Colour : Yellow, opaque.
Odour : Alcohol
pH @ 1% : 9.00
Relative density (g/cm³) : 1.12
Boiling point : Not available.
Freezing point : Not available.
Vapour pressure : Not available.
Volatiles (weight) : Not available.
Solubility (water) : Partial.
VOC (%) : Not determined.
Viscosity (cps) : 5000.

10. STABILITY AND REACTIVITY

Chemical stability : Stable.
Hazardous polymerization : None known.
Conditions to avoid : Excessive heat.
Materials to avoid : Strong oxidants, strong acids and alkalis.
Dangerous decomposition products : Carbon oxides, nitrous oxides.

11. TOXICOLOGICAL INFORMATION

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Potential acute health effects :

Eye contact : Vapours are moderately irritating to the eyes.

Skin contact : Not a primary skin irritant after exposure of short duration.

Inhalation : Vapours are moderately irritating to respiratory passages. In rare case, may sensitize heart muscle causing heart arrhythmia.

Ingestion : Harmful if swallowed. May cause gastro-intestinal upset.

Potential Chronic Health Effects:

Carcinogenic effects: None known.

Mutagenic effects: None known.

Teratogenic effects: None known.

12. ECOLOGICAL INFORMATION

Ingredient	CAS	Test	Species
1,2,3-propanetriol	56-81-5	LC50 >5000 mg/L, 24 hrs	Carassius auratus
		LC0 >250 mg/L	Leuciscus idus
		LC100 51000 mg/L	Oncorhynchus mikyss
		EC50 >10000 mg/L, 24 hrs	Daphnia magna
		EC0 >500 mg/L, 24 hrs	Daphnia magna
		NOEC >10000 mg/L, 48 hrs	Chlmonas paramaecium
		NOEC 3200 mg/L, 72 hrs	Entosiphon sulcatum
		NOEC >10000 mg/L, 16 hrs	Pseudomonas putida
		NOEC >10000 mg/L, 20 hrs	Uronema parduzci
		NOEC 2900 mg/L	Microcystis aeruginosa
EC0 >10000 mg/L	Scenedesmus quadricauda		

Do not allow product or firefighting water runoff to enter sewers or waterways. Block sewers and ditches. Areas affected by a spill must be cleaned to their original condition or to the satisfaction of the authorities.

13. DISPOSAL CONSIDERATIONS

Waste disposal method : Dispose according to municipal, provincial and federal regulations.
Contaminated packaging : According to municipal, provincial and federal regulations.

14. TRANSPORT INFORMATION

Not regulated for transport.

15. REGULATORY INFORMATION

WHIMS : D2B Materials having other toxic effects.

DSL : All components of this product are either on the Domestic Substance List (DSL), the Non-Domestic Substance List (NDSL) or exempt.

TSCA : U.S. TSCA Inventory Status : All components of this product are either on the Toxic Substances Control Act Inventory List or exempt.

16. OTHER INFORMATION

Prepared by : Auto-Chem Inc.

Date : Sept. 2015

Notice to reader :

All information appearing herein is based upon data obtained from the manufacturer and/or recognized technical sources. While the information is believed to be accurate, Auto-Chem makes no representations as to its accuracy or sufficiency. Conditions of use are beyond Auto-Chem's control and therefore users are responsible to verify this data under their own operation conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling and disposal of the product, or from the publication or use of, or reliance upon, information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or in any other process.