

## Material Safety Data Sheet: UPPER HAND

Supersedes Date 08/18/2004

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## 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name UPPER HAND  
Product Code 5819  
Information on Manufacturer  
CHEMSEARCH DIV. OF NCH CORP.  
BOX 152170  
IRVING, TX 75015

Recommended Use Personal care  
Chemical Nature Emulsion of petroleum distillate and aqueous solution  
Emergency Telephone Number  
CHEMTREC® 800-424-9300

## 2. HAZARDS IDENTIFICATION

Emergency Overview  
Warning  
Causes eye irritation  
May be harmful if swallowed

Color Yellow	Physical State Liquid	Odor Pleasant Soapy
Potential Health Effects		
Principle Route of Exposure	Skin contact, Eye contact.	
Primary Routes of Entry	Inhalation.	
Acute Effects		
Eyes	Causes eye irritation.	
Skin	Repeated exposure may cause skin dryness or cracking.	
Inhalation	May cause central nervous system depression with nausea, headache, dizziness, vomiting, and incoordination.	
Ingestion	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.	
Chronic Effects	None known.	
Target Organ Effects	Central nervous system.	
Aggravated Medical Conditions	None known.	
Potential Environmental Effects	See Section 12 for additional Ecological information	

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No
Isopropyl myristate	110-27-0
Petroleum distillates, hydrotreated light	64742-47-8
Alcohols, C9-11, ethoxylated	68439-46-3
White mineral oil, solvent refined	8042-47-5
Polyethylene	9002-88-4

## 4. FIRST AID MEASURES

General Advice	Avoid breathing vapors, mist or gas.
Eye Contact	Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.
Skin Contact	No hazards which require special first aid measures.
Inhalation	If inhaled, remove to fresh air. Get medical attention if symptoms occur.
Ingestion	Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention if symptoms occur.
Notes to Physician	Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

Flash Point	> 201°F / > 94°C	Method	Seta closed cup
Autoignition Temperature	No information available		
Flammability Limits in Air % Petroleum distillates		Upper 8.8	Lower 0.5
Suitable Extinguishing Media			
Water spray, Foam, Carbon dioxide (CO2). Dry chemical.			
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, MSHA/NIOSH (approved or equivalent) and full protective gear.			
NFPA	Health 1	Flammability 1	Instability 0
HMIS	Health 1	Flammability 1	Instability 0

## 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	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	Pick up and transfer to properly labeled containers.
Neutralizing Agent	Not applicable

## 7. HANDLING AND STORAGE

Handling	Avoid breathing vapors, mist or gas.	
Storage	Store in original container. Keep container tightly closed in a dry and well-ventilated place. Do not freeze.	
Storage Temperature	Minimum 35°F / 2°C	Maximum 100°F / 38°C
Storage Conditions	Indoor X Outdoor	Heated Refrigerated

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

## Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH
Isopropyl myristate	No data available	no data available	no data available
Petroleum distillates, hydrotreated light	No data available	no data available	no data available
Alcohols, C9-11, ethoxylated	No data available	no data available	no data available
White mineral oil, solvent refined	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	IDLH 2500 mg/m <sup>3</sup> STEL 10 mg/m <sup>3</sup>
Polyethylene	No data available	no data available	no data available

## Engineering Measures

Ensure adequate ventilation.

## Personal Protective Equipment

## Eye/Face Protection

Safety glasses with side-shields.

## Skin Protection

None under normal processing.

## Respiratory Protection

None under normal processing.

## General Hygiene Considerations

Ensure that eyewash stations and safety showers are close to the workstation location.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid	Viscosity	Viscous
Color	Yellow	Odor	Pleasant Soapy
Appearance	Opaque	pH	8.6
Specific Gravity	0.86	Bulk Density	7.17
Evaporation Rate	0.28	Percent Volatile (Volume)	85.5
VOC Content (%)	0	VOC Content (g/l)	0
Vapor Pressure	18.6 mmHg @ 70 °F	Vapor Density	0.6
Solubility	Moderately soluble	Boiling Point/Range	>212

## 10. STABILITY AND REACTIVITY

## Chemical Stability

Stable. Hazardous polymerization does not occur.

## Conditions to Avoid

None known.

## Incompatible Products

Strong oxidizing agents. Bases.

## Hazardous Decomposition Products

Alcohols. Carbon oxides.

## Possibility of Hazardous Reactions

None under normal processing

## 11. TOXICOLOGICAL INFORMATION

## Product Information

No information available

## Component Information

## Acute toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Isopropyl myristate	10000 mg/kg ( Rat )	5000 mg/kg ( Rabbit )	41 mg ( Rat )	no data available	no data available
Petroleum distillates, hydrotreated light	5000 mg/kg ( Rat )	2000 mg/kg ( Rabbit )	5.2 mg/L ( Rat ) 4 h	no data available	no data available
Alcohols, C9-11, ethoxylated	1378 mg/kg ( Rat )	2 g/kg ( Rabbit )	no data available	no data available	no data available
White mineral oil, solvent refined	5000 mg/kg ( Rat )	no data available	no data available	no data available	no data available
Polyethylene	no data available	no data available	no data available	no data available	no data available

## Chronic Toxicity

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Isopropyl myristate	no data available	no data available	no data available	no data available	no data available
Petroleum distillates, hydrotreated light	no data available	no data available	no data available	no data available	CNS, cardiovascular system
Alcohols, C9-11, ethoxylated	no data available	no data available	no data available	no data available	no data available
White mineral oil, solvent refined	no data available	no data available	no data available	no data available	no data available
Polyethylene	no data available	no data available	no data available	no data available	no data available

## Carcinogenicity

There are no known carcinogenic chemicals in this product

Component	ACGIH	IARC
Isopropyl myristate	not applicable	not applicable
Petroleum distillates, hydrotreated light	not applicable	not applicable
Alcohols, C9-11, ethoxylated	not applicable	not applicable
White mineral oil, solvent refined	not applicable	not applicable
Polyethylene	not applicable	not applicable

Component	NTP	OSHA	Other
Isopropyl myristate	not applicable	not applicable	not applicable
Petroleum distillates, hydrotreated light	not applicable	not applicable	not applicable
Alcohols, C9-11, ethoxylated	not applicable	not applicable	not applicable
White mineral oil, solvent refined	not applicable	not applicable	not applicable
Polyethylene	not applicable	not applicable	not applicable

## 12. ECOLOGICAL INFORMATION

## Product Information

No information available

## Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Isopropyl myristate	EC50> 100 mg/L Scenedesmus	LC50= 8400 mg/L Brachydanio rerio 96 h	no data available	EC50 = 100 mg/L 48 h	6

	subspicatus 72 h				
Petroleum distillates, hydrotreated light	no data available	LC50= 1740 mg/L Lepomis macrochirus 96 h LC50= 45 mg/L Pimephales promelas 96 h	no data available	LC50 = 4720 mg/L 96 h	N/A
Alcohols, C9-11, ethoxylated	no data available	no data available	no data available	no data available	N/A
White mineral oil, solvent refined	no data available	LC50> 10000 mg/L Lepomis macrochirus 96 h	no data available	no data available	6
Polyethylene	no data available	no data available	no data available	no data available	N/A

Persistence and Degradability

No information available

Bioaccumulation

No information available

Mobility

No information available

## 13. DISPOSAL CONSIDERATIONS

Product Disposal

Dispose of in accordance with local regulations

Container Disposal

Empty containers should be taken for local recycling, recovery or waste disposal

## 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 40n of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazardous Categorization

Acute Health Hazard	Chronic Health Hazard	Fire Hazard	Sudden Release of Pressure Hazard	Reactive Hazard
Yes	No	No	No	No

CERCLA

Component	Hazardous Substances RQs	CERCLA EHS RQs
Isopropyl myristate	Not applicable	Not applicable
Petroleum distillates, hydrotreated light	Not applicable	Not applicable
Alcohols, C9-11, ethoxylated	Not applicable	Not applicable
White mineral oil, solvent refined	Not applicable	Not applicable
Polyethylene	Not applicable	Not applicable

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

Non-controlled.

## 16. OTHER INFORMATION

Prepared By Mike McDowell  
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 Reason for Revision No information available  
 Glossary No information available  
 List of References No information available

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