

**Material Safety Data Sheet: SUPER CHEMSOLV**

Supersedes Date 11/22/2005

Issuing Date 04/24/2009

**1. PRODUCT AND COMPANY IDENTIFICATION**

**Product Name** SUPER CHEMSOLV  
**Recommended Use** Cleaning agent  
**Information on Manufacturer**  
 CHEMSEARCH DIV. OF NCH CORP.  
 BOX 152170  
 IRVING, TX 75015

**Product Code** 0300  
**Chemical Nature** Solvent mixture  
**Emergency Telephone Number**  
 CHEMTREC® 800-424-9300

**2. HAZARDS IDENTIFICATION**

**Emergency Overview**  
 Warning  
 Causes eye irritation  
 Causes skin irritation  
 May be harmful if inhaled  
 Harmful or fatal if swallowed

|  |   |                   |
|--|---|-------------------|
| <b>Color</b> Colorless                 | <b>Physical State</b> Liquid  | <b>Odor</b> Sweet |
| <b>Potential Health Effects</b>        | Skin contact, Eye contact, Inhalation.  |                   |
| <b>Principle Route of Exposure</b>     | Inhalation, Skin Absorption.  |                   |
| <b>Primary Routes of Entry</b>         |   |                   |
| <b>Acute Effects</b>                   | Causes eye irritation.  |                   |
| <b>Eyes</b>                            | Causes skin irritation. Repeated exposure may cause skin dryness or cracking. Product may be absorbed through the skin in harmful amounts.  |                   |
| <b>Skin</b>                            |   |                   |
| <b>Inhalation</b>                      | May cause irritation of respiratory tract. Inhalation may cause central nervous system effects. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. |                   |
| <b>Ingestion</b>                       | Ingestion may cause gastrointestinal irritation, nausea, vomiting, and diarrhea. Causes headache, drowsiness or other effects to the central nervous system. Aspiration hazard. May be fatal if swallowed and enters airways.       |                   |
| <b>Chronic Effects</b>                 | Prolonged or repeated inhalation may cause damage to the lungs, Liver and kidney injuries may occur.  |                   |
| <b>Target Organ Effects</b>            | Central nervous system, Peripheral Nervous System (PNS), Respiratory system, Heart, Liver, Kidney.  |                   |
| <b>Aggravated Medical Conditions</b>   | Skin disorders, Respiratory disorders, Neurological disorders, Liver disorders, Kidney disorders.   |                   |
| <b>Potential Environmental Effects</b> | See Section 12 for additional Ecological information.   |                   |

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

| Component                                 | CAS-No     |
|---|------------|
| Petroleum distillates, hydrotreated light | 64742-47-8 |
| n-Propyl bromide                          | 106-94-5   |
| tert-Butyl alcohol                        | 75-65-0    |

**4. FIRST AID MEASURES**

**General Advice** Avoid contact with skin, eyes, and clothing. 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** Wash off immediately with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention if irritation develops and persists. Wash contaminated clothing before re-use.

**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 immediately. Never give anything by mouth to an unconscious person.

**Notes to Physician** Aspiration hazard if swallowed - can enter lungs and cause damage.

**5. FIRE-FIGHTING MEASURES**

|  |                   |  |
|--|-------------------|--|
| <b>Flash Point</b> > 201°F / > 94°C  | <b>Method</b>     | Seta closed cup                            |
| <b>Autoignition Temperature</b> No information available.  |                   |  |
| <b>Flammability Limits in Air %</b> Solvent mixture.   | <b>Upper</b> 12.7 | <b>Lower</b> 0.7                           |
| <b>Suitable Extinguishing Media</b>  |                   |  |
| Foam. Carbon dioxide (CO2). Dry chemical. Water spray.   |                   |  |
| <b>Specific Hazards Arising from the Chemical</b>  |                   |  |
| Solvent vapors are heavier than air and may spread along floors. Vapors may ignite and explode. Material can create slippery conditions. |                   |  |
| <b>Protective Equipment and Precautions for Firefighters</b>   |                   |  |
| As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.   |                   |  |
| <b>NFPA</b>  | <b>Health</b> 2   | <b>Flammability</b> 1 <b>Instability</b> 0 |
| <b>HMIS</b>  | <b>Health</b> 2   | <b>Flammability</b> 1 <b>Instability</b> 0 |

**6. ACCIDENTAL RELEASE MEASURES**

**Personal Precautions** Use personal protective equipment. Ensure adequate ventilation. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.

**Environmental Precautions**  
**Methods for Containment**  
**Methods for Cleaning Up**  
**Neutralizing Agent**

Do not flush into surface water or sanitary sewer system.  
 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).  
 Pick up and transfer to properly labeled containers.  
 Not applicable.

**7: HANDLING AND STORAGE**

**Handling**  
**Storage**  
**Storage Temperature**  
**Storage Conditions**

Avoid contact with skin, eyes, and clothing. Avoid breathing vapors or mists.  
 Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.  
**Minimum** 35°F / 2°C  
**Maximum** 120°F / 49°C  
**Indoor** X      **Outdoor**      **Heated**      **Refrigerated** X

**8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Exposure Guidelines**

| Component                                 | ACGIH TLV         | OSHA PEL                                   | NIOSH  |
|---|-------------------|--|--|
| Petroleum distillates, hydrotreated light | No data available | No data available                          | No data available  |
| n-Propyl bromide                          | TWA: 10 ppm       | No data available                          | No data available  |
| tert-Butyl alcohol                        | TWA: 100 ppm      | TWA: 100 ppm<br>TWA: 300 mg/m <sup>3</sup> | IDLH: 1600 ppm<br>STEL 450 mg/m <sup>3</sup><br>STEL 150 ppm<br>TWA: 100 ppm<br>TWA: 300 mg/m <sup>3</sup> |

**Engineering Measures**  
**Personal Protective Equipment**  
**Eye/Face Protection**  
**Skin Protection**  
**Respiratory Protection**  
**General Hygiene Considerations**

Ensure adequate ventilation, especially in confined areas  
 Safety glasses with side-shields.  
 Wear suitable protective clothing, Impervious gloves.  
 In case of inadequate ventilation wear respiratory protection.  
 Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use.

**9: PHYSICAL AND CHEMICAL PROPERTIES**

|                                  |                 |                         |                       |
|----------------------------------|-----------------|-------------------------|-----------------------|
| <b>Physical State</b>            | Liquid          | <b>Viscosity</b>        | Non viscous           |
| <b>Color</b>                     | Colorless       | <b>Odor</b>             | Sweet                 |
| <b>Appearance</b>                | Transparent     | <b>pH</b>               | Not applicable        |
| <b>Specific Gravity</b>          | 1.14            | <b>Evaporation Rate</b> | 7.4 (Butyl acetate=1) |
| <b>Percent Volatile (Volume)</b> | 100             | <b>VOC Content (%)</b>  | 100                   |
| <b>VOC Content (g/l)</b>         | 1140            | <b>Vapor Pressure</b>   | 74.3 mmHg @ 70 °F     |
| <b>Vapor Density</b>             | 4.2 (Air = 1.0) | <b>Solubility</b>       | Insoluble             |
| <b>Boiling Point/Range</b>       | 167°F / 75°C    |                         |                       |

**10: STABILITY AND REACTIVITY**

**Chemical Stability**  
**Conditions to Avoid**  
**Incompatible Products**  
**Hazardous Decomposition Products**  
**Possibility of Hazardous Reactions**

Stable. Hazardous polymerization does not occur.  
 Heat, flames, and sparks.  
 Strong oxidizing agents, Strong bases, Rubber products, Powdered metals, Light and/or alkaline metals.  
 Carbon oxides, Nitrogen oxides (NOx), Fumes of bromine, Hydrogen bromide, Hydrocarbons.  
 None under normal processing.

**11: TOXICOLOGICAL INFORMATION**

**Product Information**      No information available.

**Component Information**

**Acute toxicity**

| Component                                 | LD50 Oral          | LD50 Dermal           | LC50 Inhalation                     | Dralze Test       | Other             |
|---|--------------------|-----------------------|-------------------------------------|-------------------|-------------------|
| 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 |
| n-Propyl bromide                          | 3600 mg/kg ( Rat ) | no data available     | 253 g/m <sup>3</sup> ( Rat ) 30 min | no data available | no data available |
| tert-Butyl alcohol                        | 2733 mg/kg ( Rat ) | 2000 mg/kg ( Rabbit ) | 9700 ppm ( Rat ) 4 h                | no data available | no data available |

**Chronic Toxicity**

| Component                                 | Mutagenicity      | Sensitization     | Developmental Toxicity | Reproductive Toxicity | Target Organ Effects                               |
|---|-------------------|-------------------|------------------------|-----------------------|--|
| Petroleum distillates, hydrotreated light | no data available | no data available | no data available      | no data available     | CNS, cardiovascular system                         |
| n-Propyl bromide                          | no data available | no data available | no data available      | no data available     | CNS, PNS, heart, liver, kidney, respiratory system |
| tert-Butyl alcohol                        | no data available | no data available | no data available      | no data available     | CNS  |

**Carcinogenicity**

| Component                                 | ACGIH          | IARC           | NTP            | OSHA           | Other          |
|---|----------------|----------------|----------------|----------------|----------------|
| Petroleum distillates, hydrotreated light | not applicable | not applicable | not applicable | not applicable | not applicable |
| n-Propyl bromide                          | not applicable | not applicable | not applicable | not applicable | not applicable |

|                    |                |                |                |                |                |
|--------------------|----------------|----------------|----------------|----------------|----------------|
| tert-Butyl alcohol | not applicable | not applicable | 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 |
|---|--|--|------------------------|-----------------------|---------|
| Petroleum distillates, hydrotreated light | no data available                            | LC50= 1740 mg/L Lepomis macrochirus 96 h<br>LC50= 45 mg/L Pimephales promelas 96 h | no data available      | LC50 = 4720 mg/L 96 h | N/A     |
| n-Propyl bromide                          | no data available                            | LC50= 67.3 mg/L Pimephales promelas 96 h   | no data available      | no data available     | N/A     |
| tert-Butyl alcohol                        | EC50= 1000 mg/L Scenedesmus subspicatus 72 h | LC50= 6410 mg/L Pimephales promelas 96 h   | EC50 > 10000 mg/L 17 h | EC50 = 933 mg/L 48 h  | 0.35    |

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 contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40n of the Code of Federal Regulations, Part 372:

| Component          | CAS-No  | Weight % | SARA 313 - Threshold Values |
|--------------------|---------|----------|-----------------------------|
| tert-Butyl alcohol | 75-65-0 | 1-5      | 1.0                         |

**SARA 311/312 Hazardous Categorization**

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

**CERCLA**

| Component                                 | Hazardous Substances RQs | CERCLA EHS RQs |
|---|--------------------------|----------------|
| Petroleum distillates, hydrotreated light | Not applicable           | Not applicable |
| n-Propyl bromide                          | Not applicable           | Not applicable |
| tert-Butyl alcohol                        | 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  
 D2B Toxic materials.



**16. OTHER INFORMATION**

Prepared By Dan Hollas  
 Supersedes Date 11/22/2005  
 Issuing Date 04/13/2009  
 Reason for Revision No information available.  
 Glossary No information available.

**List of References.**

No information available.

**CHEMSEARCH DIV. OF NCH CORP. assumes no responsibility for personal injury or property damage caused by the use, storage, or disposal of the product in a manner not recommended on the product label. Users assume all risks associated with such unrecommended use, storage or disposal of the product. The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.**