

**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  
**DANGER**  
 Causes skin irritation  
 Causes eye irritation  
 May be harmful if inhaled  
**May be harmful if swallowed**

Color Colorless

Physical State Liquid

Odor sweet

Potential Health Effects

Principle Route of Exposure

Skin contact, Eye contact, Inhalation,  
 Inhalation, Skin Absorption.

Primary Routes of Entry

Acute Effects

Eyes

Causes eye irritation.

Skin

Causes skin irritation. Repeated exposure may cause skin dryness or cracking. Product may be absorbed through the skin in harmful amounts.

Inhalation

May cause irritation of respiratory tract. Inhalation may cause central nervous system effects. May cause central nervous system depression. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Ingestion

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration hazard if swallowed - can enter lungs and cause damage. May be fatal if swallowed and enters airways.

Chronic Toxicity

Prolonged or repeated inhalation may cause damage to the lungs. Liver and kidney injuries may occur. Contains a known or suspected reproductive toxin.

Target Organ Effects

Central nervous system, Peripheral Nervous System (PNS), Heart, Liver, Kidney, Reproductive System, Respiratory system, Skin, Neurological disorders, Heart disease, Liver disorders, Kidney disorders, Respiratory disorders, Skin disorders.

Aggravated Medical Conditions

Potential Environmental Effects

See Section 12 for additional Ecological information.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Component	CAS-No
n-Propyl bromide	106-94-5
Petroleum distillates, hydrotreated light	64742-47-8
Solvent naphtha (petroleum), medium aliphatic	64742-88-7
tert-Butyl alcohol	75-65-0

**4. FIRST AID MEASURES**

General Advice

Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists.

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 if symptoms occur.

Notes to physician

Aspiration hazard if swallowed - can enter lungs and cause damage.

**5. FIRE-FIGHTING MEASURES**

Flash Point > 201 °F / > 94 °C

Method

Seta closed cup

Autoignition Temperature No information available.

Flammability Limits in Air % Solvent mixture.

Upper 12.7

Lower 0.7

Suitable Extinguishing Media

Foam, Carbon dioxide (CO2), Dry chemical, Water spray. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific hazards arising from the chemical

Solvent vapors are heavier than air and may spread along floors. Vapors may ignite and explode. 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 2

Flammability 1

Instability 0

HMS Health 2

Flammability 1

Instability 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

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH
n-Propyl bromide	TWA, 10 ppm	No data available	No data available
Petroleum distillates, hydrotreated light	5 mg/m <sup>3</sup> as oil mist	10 mg/m <sup>3</sup> as oil mist	No data available
Solvent naphtha (petroleum), medium aliphatic	No data available	No data available	No data available
tert-Butyl alcohol	TWA 100 ppm	TWA 100 ppm TWA, 300 mg/m <sup>3</sup>	IDLH: 1600 ppm STEL 150 ppm STEL 450 mg/m <sup>3</sup> TWA, 100 ppm TWA, 300 mg/m <sup>3</sup>

**Engineering Measures** Ensure adequate ventilation, especially in confined areas. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

**Personal Protective Equipment**  
**Eye/Face Protection** Safety glasses with side-shields.  
**Skin Protection** Wear suitable protective clothing. Impervious gloves.  
**Respiratory Protection** In case of inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

**General Hygiene Considerations** 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

Physical State	Liquid	Viscosity	Non viscous
Color	Colorless	Odor	sweet
Appearance	Transparent	pH	Not applicable
Specific Gravity	1,14	Evaporation Rate	7,4 (Butyl acetate=1)
Percent Volatile (Volume)	100	VOC Content (%)	100
VOC Content (g/L)	1140	Vapor Pressure	74,3 mmHg @ 70°F
Vapor Density	4,2 (Air = 1,0)	Solubility	Insoluble
Boiling Point/Range	167 °F / 75 °C		

10. STABILITY AND REACTIVITY

<b>Chemical Stability</b>	Stable, Hazardous polymerization does not occur.
<b>Conditions to Avoid</b>	None known
<b>Incompatible Products</b>	Strong oxidizing agents, Strong bases, Rubber products, Powdered metals, Light and/or alkaline metals.
<b>Hazardous Decomposition Products</b>	Carbon oxides
<b>Possibility of Hazardous Reactions</b>	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
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
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
Solvent naphtha (petroleum), medium aliphatic	> 5000 mg/kg ( Rat )	= 3000 mg/kg ( Rabbit )	> 5,20 mg/L ( Rat ) 4 h	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
n-Propyl bromide	no data available	no data available	no data available	X	CNS, PNS, heart, liver, kidney, respiratory system, reproductive system
Petroleum distillates, hydrotreated light	no data available	no data available	no data available	no data available	respiratory system, liver, kidney, CNS
Solvent naphtha (petroleum), medium aliphatic	no data available	no data available	no data available	no data available	CNS, liver, kidneys
tert-Butyl alcohol	no data available	no data available	no data available	no data available	eyes, CNS, respiratory system, skin

**Carcinogenicity**

Component	ACGIH	IARC	NTP	OSHA	Other
n-Propyl bromide	not applicable	not applicable	not applicable	not applicable	not applicable
Petroleum distillates, hydrotreated light	not applicable	not applicable	not applicable	not applicable	not applicable
Solvent naphtha (petroleum), medium aliphatic	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
n-Propyl bromide	no data available	LC50 = 67,3 mg/L. Pimephales promelas 96 h	no data available	no data available	N/A
Petroleum distillates, hydrotreated light	no data available	LC50 = 2,2 mg/L. Lepomis macrochirus 96 h LC50 = 2,4 mg/L. Oncorhynchus mykiss 96 h	no data available	LC50= 4720 mg/L 96 h	N/A

		LCS0 = 45 mg/L Pimephales promelas 96 h			
Solvent naphtha (petroleum), medium aliphatic	EC50 = 450 mg/L Pseudokirchneriella subcapitata 96 h	LC50 = 800 mg/L Pimephales promelas 96 h	no data available	EC50> 100 mg/L 48 h	N/A
tert-Butyl alcohol	EC50 > 1000 mg/L Desmodium subspicatus 72 h	LC50 6130 - 6700 mg/L Pimephales promelas 96 h	EC50 > 10000 mg/L 17 h	EC50 4807 - 6577 mg/L 48 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
n-Propyl bromide	Not applicable	Not applicable
Petroleum distillates, hydrotreated light	Not applicable	Not applicable
Solvent naphtha (petroleum), medium aliphatic	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** Rachael Mohochi  
**Supersedes Date** 04/24/2009  
**Issuing Date** 03/09/2012  
**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.