

Safety Data Sheet

Section 1 - Identification

Product Name: K-Chem Resin Kleaner (SO99D5)

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Product Use: Powerful solvents to soften, solubilize and remove resins

Section 2 - Hazards Identification

GHS Ratings:

Flammable liquid	2	Flash point < 23°C and initial boiling point > 35°C (95°F)
Inhalation Toxicity	Acute Tox. 3	Gases>500+<=2500ppm, Vapors>2+<=10mg/l, Dusts&mists>0.5+<=1mg/l
Skin corrosive	3	Reversible adverse effects in dermal tissue, Draize score: >= 1.5 < 2.3
Eye corrosive	2A	Eye irritant: Subcategory 2A, Reversible in 21 days
Carcinogen	2	Limited evidence of human or animal carcinogenicity
Reproductive toxin	1B	Presumed, Based on experimental animals
Aspiration hazard	1	Aspiration Toxicity Category 1: Known (regarded)- human evidence - hydrocarbons with kinematic viscosity ? 20.5 mm ² /s at 40° C.

GHS Hazards

H225	Highly flammable liquid and vapour
H304	May be fatal if swallowed and enters airways
H316	Causes mild skin irritation
H319	Causes serious eye irritation
H331	Toxic if inhaled
H351	Suspected of causing cancer
H360	May damage fertility or the unborn child

GHS Precautions

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P210	Keep away from heat/sparks/open flames/hot surfaces – No smoking
P233	Keep container tightly closed
P240	Ground/bond container and receiving equipment
P241	Use explosion-proof electrical/ventilating/light equipment
P242	Use only non-sparking tools
P243	Take precautionary measures against static discharge
P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264	Wash hands thoroughly after handling
P271	Use only outdoors or in a well-ventilated area
P280	Wear protective gloves/protective clothing/eye protection/face protection
P281	Use personal protective equipment as required
P311	Call a POISON CENTER or doctor/physician
P321	Specific treatment (see First Aid below or label)
P331	Do NOT induce vomiting
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

P303+P361+P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
P308+P313	IF exposed or concerned: Get medical advice/attention
P332+P313	If skin irritation occurs: Get medical advice/attention
P337+P313	Get medical advice/attention
P370+P378	In case of fire: Use Section 5 recommendations for extinction
P405	Store locked up
P403+P233	Store in a well ventilated place. Keep container tightly closed
P403+P235	Store in a well ventilated place. Keep cool
P501	Dispose of contents/container in conformance with State, Local, and Federal regulations.

Signal Word: Danger



Section 3 - Composition, Information on Ingredients

Chemical Name	CAS number	Weight Concentration %
Solvent naphtha, petroleum, heavy arom.	64742-94-5	70.00% - 80.00%
Nonylphenol, ethoxylated	127087-87-0-9	5.00% - 10.00%
N-Methyl-2-pyrrolidone	872-50-4	5.00% - 10.00%
2-(2-Methoxyethoxy) ethanol	111-73-3	5.00% - 10.00%

(1) Consult local authorities for acceptable exposure limits.

Section 4 - First Aid Measures

Inhalation

Remove person to fresh air. If signs/symptoms continue, get medical attention. Give oxygen or artificial respiration as needed.

Eyes: Thoroughly flush the eyes with large amounts of clean low-pressure water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation persists, seek medical attention.

Skin: Get medical aid. Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing/shoes.

Ingestion: DO NOT induce vomiting. If vomiting does occur, have victim lean forward to prevent aspiration. Rinse mouth with water. Seek medical attention. Never give anything by mouth to an unconscious individual.

Section 5 - Fire Fighting Measures

Flash Point: 0 C (32 F)

LEL: 2.00

UEL: 23.00

Suitable (and unsuitable) extinguishing media:

SMALL FIRE: Use dry chemicals, CO₂, water spray or alcohol-resistant foam. LARGE FIRE: Use water spray, water fog or alcohol-resistant foam. Cool all affected containers with flooding quantities of water.

Keep unopened containers cool by spraying with water.

Specific hazards arising from the chemical (e.g., nature of any hazardous combustion products):

Carbon oxides expected to be the primary hazardous combustion product.

Special protective equipment and precautions for firefighters:

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Section 6 - Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Do not inhale vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

Environmental precautions: Stop leak. Contain spill if possible and safe to do so. Prevent product from entering drains.

Methods and materials for containment and cleaning up: Absorb with an inert dry material and place in an appropriate waste disposal container. Keep disposal containers closed when finished.

Section 7 - Handling & Storage

Precautions for safe handling: Do not get on skin or in eyes. Do not inhale vapor or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the buildup of electrostatic charge. Open and handle container with care. Metal containers involved in the transfer of this material should be grounded and bonded.

Conditions for safe storage, including any incompatibilities: Store in a tightly closed container and keep in a cool, dry, well-ventilated place. Keep container away from extreme heat and strong oxidizing agents.

Section 8 - Exposure Controls/Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Solvent naphtha, petroleum, heavy arom. 64742-94-5	PEL: 10 ppm, 10 hrs. TWA STEL: 79 g/m ³ 15 minutes	Absorbed through skin TWA: 10 ppm, 8 hrs. STEL: 15 ppm, 15 min	Not Established
Nonylphenol, ethoxylated 127087-87-0-9	Not Established	Not Established	Not Established
N-Methyl-2-pyrrolidone 872-50-4	PEL: No TLV/TWA Established	TLV: No TLV/TWA Established	Not Established
2-(2-Methoxyethoxy) ethanol 111-73-3	Not Established	Not Established	Long-term dermal:0.53 mg/kg bw/day Long term inhalation:10ppm

Appropriate engineering controls: Use process enclosure, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after

use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Eye protection: Use chemical safety goggles and/or a full face shield where splashing is possible. Use equipment approved by appropriate government standards, such as NIOSH (US) or EN166 (EU) Maintain eye wash fountain and quick-drench facilities in work area.

Skin and body protection: Wear impervious, flame retardant, antistatic protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Section 9 - Physical & Chemical Properties

Boiling Range 182 to 210 °C	Appearance Clear Liquid
Color Lt. Straw	pH N/A
Specific Gravity 0.928	Odor Solvent
Odor Threshold N/A	Freezing Point N/A
Boiling Range 410	Flash Point 150
Evaporation Rate .061	Vapor Pressure <1
Solubility in Water Insoluble	Viscosity <=10
Flammability N/A	Upper/lower flammability N/A
Partition coefficient: n- octanol/water N/A	Auto-ignition temperature N/A
Decomposition temperature N/A	

Section 10 - Stability & Reactivity

STABLE

None Known

Oxidizing agents (strong), metals, water/moisture, copper, aluminum

Strong Oxidizing Agents, Strong Reducing Agent, Moisture and humidity (hygroscopic)

None Known

Carbon Monoxide, Carbon dioxide

Carbon Monoxide and nitrogen oxide fumes emitted when heated to decomposition.

Under normal conditions of storage and use, hazardous decomposition products should not be produced. In a fire, hazardous decomposition products may be produced.

Hazardous polymerization will not occur.

Section 11 - Toxicological Information

Mixture Toxicity

Oral Toxicity LD50: 2.420mg/ka

Inhalation Toxicity LC50: 6mg/L

Component Toxicity

64742-94-5 Solvent naptha, petroleum, heavy arom.

Oral LD50: 2,000 mg/kg (Rat) Dermal LD50: 5,000 mg/kg (Rat) Inhalation LC50: 5,000 mg/m3 (

127087-87-0-9	Nonylphenol, ethoxylated Oral LD50: 3,314 mg/kg (Rat) Dermal LD50: 3,050 mg/kg (Rabbit)
872-50-4	N-Methyl-2-pyrrolidone Oral LD50: 4,150 mg/kg (RAT) Dermal LD50: 5,000 mg/kg (RAT) Inhalation LC50: 5 mg/L (RAT)
111-73-3	2-(2-Methoxyethoxy) ethanol Inhalation LC50: 1 mg/kg (Rat)

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
64742-94-5	Solvent naphtha, petroleum, heavy arom.	70 to 80%	Solvent naphtha, petroleum, heavy arom.: CARCINOGENIC EFFECTS: Classified 2B (Possible for humans.) by IARC [naphthalene]. Classified 2 (Reasonably anticipated to be human carcinogens.) by NTP [naphthalene]. Classified A4 (Not classifiable for humans or animals.) by ACGIH [naphthalene].

Section 12 - Ecological Information

Ecotoxicity (aquatic and terrestrial, where available):

Acute Fish Toxicity

LC50 / 96 h Pimephales promelas (fathead minnow) - 1mg/L

Toxicity to Algae

EC50/ Skeletonema costatum - <1mg/L

Toxicity to daphnia and other aquatic EC50 / 48 h / daphnia magna - 0.95mg/L

Persistence and degradability: No data available

Bioaccumulative potential: biodegrades in the presence of oxygen: approx. 40% - 4 weeks - domestic sewage sludge

Other adverse effects: Potential to be an environmental hazard through improper handling or improper disposal .

Component Ecotoxicity

Section 13 - Disposal Considerations

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging: Recover free liquid. Transfer to a safe disposal area in accordance with federal, state, and local regulations.

Section 14 - Transportation Information

Agency **Proper Shipping Name**
DOT Compound, Cleaning, Liquid, (Not Regulated)

UN Number **Packing Group** **Hazard Class**

Section 15 - Regulatory Information

Country **Regulation** **All Components Listed**

EU Risk Phrases

Safety Phrase

- None

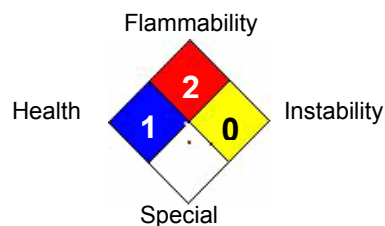
Section 16 - Other Information

Hazardous Material Information System (HMIS)

HEALTH	1
FLAMMABILITY	2
PHYSICAL HAZARD	0
PERSONAL PROTECTION	D

HMIS & NFPA Hazard Rating
Legend
* = Chronic Health Hazard
0 = INSIGNIFICANT
1 = SLIGHT
2 = MODERATE
3 = HIGH

National Fire Protection Association (NFPA)



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Reviewer Revision

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