

# SAFETY DATA SHEET

Date: 07 April 2010

Version: 1.02

Replaces: 03 April 2008

## 1. Identification of the substance/preparation and company/undertaking

**Product Name** Kolate 7013 LV  
**Use** Precursor to Aluminum Complex Soap (Grease Industry)  
**Manufacturer** FedChem, LLC-Subs. Federal Process Corporation  
 4620 Richmond Road  
 Cleveland, OH 44128, USA  
**Email** jlundell@federalprocess.com  
**Telephone number:** + 1 216 464 6440 Hours: M-F 8AM-5PM EST  
**Emergency number:** + 1 703 527 3887 (Chemtrec)

## 2. Hazards identification

**Classification** None  
**Health hazards** Slightly irritating to skin.  
**Environmental hazards** None identified  
**Fire and explosion hazards** None regulated

## 3. Composition/information on ingredients

Hazardous components	Conc. (%)	EC No.	CAS No.	Classification
None				
<b>Non-Hazardous components</b>				
White mineral oil, petroleum	50-100	232-455-8	8042-47-5	None
Tri-oxy-Aluminum tri-isopropoxide	50-100	270-365-0	68425-65-0	None

## 4. First-aid measures

**Inhalation** The components have a low vapour pressure, and inhalation is not expected unless misting or aerosolisation occurs. However, if dizzy, drowsy or overcome, remove patient from exposure and give fresh air and rest. Obtain medical attention immediately for symptoms of difficulty in breathing.

**Skin contact** Remove contaminated clothing, and clean before reuse. In case of contact with skin wash affected area with soap and water. For severe contamination or if irritation occurs seek medical attention.

**Eye contact** In case of contact with eyes, irrigate immediately with plenty of water for 10 to 15 minutes and seek medical advice. Refer to an eye specialist, even if there are no visible injuries.

**Ingestion** If swallowed, wash out mouth thoroughly and give water to drink. Seek medical attention and show this safety data sheet. Do not induce vomiting. Look out for symptoms of aspiration, such as coughing, choking, or gagging (see Section 11).

**Medical treatment** Consult a doctor if necessary.

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## 5. Fire-fighting measures

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<b>Fire and explosive properties</b>	Non regulated.
<b>Extinguishing media</b>	Water mist or spray, alcohol foam, and carbon dioxide are recommended. Water jets may spread liquid fires. Remove containers from fire or cool them with water.
<b>Specific hazards</b>	When products burned forms smoke and toxic fumes, such as oxides of carbon.
<b>Protective equipment for fire fighters</b>	Fire fighters should wear an approved self-contained breathing apparatus and full protective clothing.

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## 6. Accidental release measures

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<b>Personal precautions</b>	Ensure full personal protection during removal of large spillages, but particularly eye/face protection (safety glasses and visor) and gloves (See Section 8).
<b>Environmental precautions</b>	Stop the leak, and remove sources of ignition. Turn leaking containers leak side up to prevent the escape of liquid. Prevent leakage of large quantities into the drainage system by bunding with sand or other absorbent material. In the event of large spills contact the emergency services and local authorities.
<b>Method for cleaning up</b>	Ventilate area and try to contain spill by diking with sand or other absorbent material. Collect spill for disposal by scooping up liquids, using a vacuum pump, or absorbing with sand or other approved absorbent materials and place in suitably labelled container for disposal in accordance with local and national regulations. Wash contaminated surfaces with detergent. Contact authorities, and waste water treatment plant as appropriate if significant contamination occurs.

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## 7. Handling and storage

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<b>Information for safe handling</b>	Keep container closed when not in use. Care should be taken not to form mists or aerosols. If they occur, ensure adequate ventilation. Do not get liquid in eyes, or on skin or clothing. Wear protective clothing as in Section 8. Avoid rupture of containers or transfer systems. Product may be slippery if spilled
<b>Storage</b>	Store in cool, dry place. Keep away from sources of ignitions and heat.

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## 8. Exposure controls/personal protection

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<b>Engineering measures</b>	Ensure adequate ventilation. Extraction to remove vapour at source is recommended.
<b>Personal protective equipment</b>	Chemical resistant gloves, respirator, and safety goggles are recommended. Where more extensive contact may occur, wear suitable protective clothing (e.g. apron, sleeves, and boots).

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## 9. Physical and chemical properties

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<b>Appearance</b>	Clear amber coloured liquid
<b>Odour</b>	Slight
<b>pH</b>	Not applicable
<b>Boiling point/range</b>	>240°C
<b>Flash point</b>	>61°C (Pensky Martens closed cup)
<b>Self-flammability</b>	Product is not self igniting.
<b>Oxidising properties:</b>	Not expected to be oxidizing
<b>Vapour pressure (air = 1) :</b>	>1
<b>Relative density:</b>	1.00 at 25°C.
<b>Solubility:</b> -in water:	Practically insoluble. Decomposes on contact with water.
-in organic solvents:	soluble in hydrocarbons

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## 10. Stability and reactivity

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Stable under recommended storage and handling conditions, in particular there is no hazardous polymerization reaction.

<b>Conditions to avoid</b>	Avoid strong heat and sources of ignitions such as open flames or sparks. The aluminum complex reacts with water, so atmospheric moisture may lead to product degradation; although the reaction is not dangerous.
<b>Materials to avoid</b>	Avoid contact with water, strong oxidizing agents, and strong acids.
<b>Hazardous decomposition products</b>	Smoke, and oxides of carbon may be formed on combustion.

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## 11. Toxicological information

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The preparation has not been tested for toxicological effects, but may cause slight local irritation of the skin. The components are not classified as dangerous substances. In particular, the aluminum complex is not classified for acute toxicity, irritation, sensitization, repeated-dose toxicity, or mutagenic effects, although no data is available for carcinogenic or reproductive effects. When used and handled according to specification, the product does not have any harmful effects according to our experience and the information provided to us.

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## 12. Ecological information

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Ecotoxicological data have not been determined specifically for this product. Information given is based on knowledge of the components and the ecotoxicology of similar products.

<b>Mobility</b>	The product is liquid. The aluminum complex is water-reactive, and will hydrolyze to simple organic products and aluminum hydroxide.
<b>Persistence/ degradability</b>	The aluminum complex is rapidly biodegradable.
<b>Bioaccumulation</b>	Due to the hydrolysis and readily biodegradability no bioaccumulation of the aluminum complex is expected.
<b>Toxicity</b>	Tests on similar solvents indicate low order of acute oral toxicity.

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## 13. Disposal considerations

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Disposal must be in accordance with current national and local regulations. Chemical residues generally count as special waste. The disposal of the later is regulated in the EC member countries through corresponding laws and regulations. We recommend that you contact either the authorities or approved waste disposal companies who will advise you on how to dispose of special waste.

Containers of this material may be hazardous when emptied due to soled, vapor residue. All hazard precautions given in this sheet must be observed for empty containers.

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## 14. Transportation information

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Not classified for transportation.

Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)

ADR/RID-GGVS/E Class: -

Transport/Additional information:

No dangerous good according to the above specifications.

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## 15. Regulatory information

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### Classification and labeling according to the EC Directives

#### Symbol and indication

of danger: None

Risk phrases: None

Safety phrases: None

Contains: No statement required

#### Foreign / International Inventories:

The components of this product are listed under the following inventories:

United States - TSCA  
Canada - DSL  
Australia - AICS  
European Union- EINECS  
China- SEPA

#### Governing EU Directives:

EU directive 67/548/EEC (Dangerous Substances Directive) and 99/45/EC (Dangerous Preparations Directive) with modifications.

This Safety Data Sheet is based on EU Directive EC 1907/2006.

#### Guidance:

Occupational Exposure Limits EH40.

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## 16. Other information

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#### Abbreviations:

TSCA: Toxic Substance Control Act

DSL: Domestic Substances List

AICS: Australia's Inventory of Chemical Substances

SEPA: State Environmental Protection Administration

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To the best of our knowledge, the information contained herein is accurate. However, no liability whatsoever is assumed for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown health hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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