

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
Use Precursor to Aluminum Complex Soap (Grease Industry)
Manufacturer FedChem, LLC-Subs. Federal Process Corporation
 4620 Richmond Road
 Cleveland, OH 44128, USA
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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				
Non-Hazardous components				
Distillates (petroleum), hydrotreated heavy naphthenic	50-100	265-155-0	64742-52-5	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.

5. Fire-fighting measures

Fire and explosive properties	Non regulated.
Extinguishing media	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.
Specific hazards	When products burned forms smoke and toxic fumes, such as oxides of carbon.
Protective equipment for fire fighters	Fire fighters should wear an approved self-contained breathing apparatus and full protective clothing.

6. Accidental release measures

Personal precautions	Ensure full personal protection during removal of large spillages, but particularly eye/face protection (safety glasses and visor) and gloves (See Section 8).
Environmental precautions	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.
Method for cleaning up	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.

7. Handling and storage

Information for safe handling	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
Storage	Store in cool, dry place. Keep away from sources of ignitions and heat.

8. Exposure controls/personal protection

Engineering measures	Ensure adequate ventilation. Extraction to remove vapour at source is recommended.
Personal protective equipment	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).

9. Physical and chemical properties

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

10. Stability and reactivity

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

Conditions to avoid	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.
Materials to avoid	Avoid contact with water, and strong oxidizing agents.
Hazardous decomposition products	Smoke, and oxides of carbon may be formed on combustion.

11. Toxicological information

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.

12. Ecological information

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.

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

13. Disposal considerations

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.

14. Transportation information

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.

15. Regulatory information

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.

16. Other information

Abbreviations:

TSCA: Toxic Substance Control Act

DSL: Domestic Substances List

AICS: Australia's Inventory of Chemical Substances

SEPA: State Environmental Protection Administration

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.
