Safety Data Sheet

Section 1 – Identification

Product Identifier: Ship Shape Professional Surface & Appliance Cleaner

Other means of Identification: Ship Shape Professional Surface Cleaner, Ship Shape Spray, Ship Shape Ready-To-Use (RTU), All Purpose Cleaning Solution

Name and Address of Responsible Parties:

King Research, Inc
7025 W. Marcia Rd.
Milwaukee, WI 53223

Information Telephone #: 1-800-222-8160
24 Hr. Emergency Telephone Number: INFOTRAC- 1-800-535-5053
International 24 Hr. Emergency Telephone Number: INFOTRAC – 1-352-323-3500
Contract # - 106253

Section 2 – Hazards Identification

Classification of the Chemical: Clear yellow liquid with pleasant citrus odor.

Hazardous classification: None
This material is not classified as hazardous under OSHA regulations (29 CFR 1910.1200) (Hazcom 2012).

Label elements:
Signal Word: None
Hazard Statements: None
Hazard Pictogram(s): None
Precautionary Statements: Wash hands thoroughly after handling.
If on Skin: Wash with plenty of soap and water.
If skin irritation occurs, get medical advice/attention.
Take off contaminated clothing and wash before reuse.
Wear protective gloves.
Wear eye protection such as goggles or safety glasses with side shields.
If in eyes: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists, get medical advice/attention.
Dispose of contents/container in accordance with local, state, federal or international regulations.

Section 2 – Hazards Identification (continued)

Other Hazards not otherwise classified: None

Section 3 – Composition/Information on Ingredients

Chemical Name, Common Name	CAS #	Concentration wt/wt(*)
Isopropyl alcohol	67-63-0	<2
Dipropylene glycol n-butyl ether	29911-28-2	<5
Dipropylene glycol n-propyl ether	29911-27-1	<5

*** Note: The exact concentrations of the chemical(s) above are being withheld as a trade secret.**

Section 4 – First-Aid Measures

Description of first aid measures:
Inhalation: If inhaled remove victim to fresh air and keep at rest. Call a poison center or physician if you feel unwell.

Skin contact: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs get medical advice/attention.

Eye contact: If in eyes rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and continue rinsing. If eye irritation persists, seek medical advice/attention.

Ingestion: Do NOT induce vomiting unless instructed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention.

Most important symptoms and effects, both acute and delayed:
Can cause skin irritation.
Can cause eye irritation.
Ingestion may cause gastrointestinal irritation, nausea, vomiting, diarrhea.

Indication of any immediate medical attention and special treatment needed:
Treat symptomatically

Section 5 – Fire-Fighting Measures

Extinguishing media:
Suitable extinguishing media: Water fog, Carbon dioxide, Dry chemical, Foam
Unsuitable extinguishing media: Not available

Special hazards arising from the substance or mixture: None Known

Flammability classification: (OSHA 29 CFR 1910.106) (Hazcom 2012): Not flammable by OSHA/WHMIS criteria.

Section 5 – Fire-Fighting Measures (Continued)

Hazardous combustion products: Carbon oxides, other unidentified organic compounds.

Special protective equipment and precautions for firefighters:
Protective equipment for fire-fighters: Firefighters should wear proper protective equipment (Bunker gear) and self-contained breathing apparatus with full face operated in positive pressure mode.

Section 6 – Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures:
All persons dealing with the clean-up should wear appropriate protective equipment. Keep people away from spill/leak until clean-up is completed. Refer to protective measures listed in section 7 and 8.

Methods and materials for containment and clean up:
Do not allow material to contaminate ground water system. If necessary, dike well ahead of the spill to prevent run-off into drains, sewers, or any natural waterway or drinking supply. Ventilate the area. Soak up with inert absorbent material. Scoop up material and place into suitable container(s). Dispose of according to local, state, and federal regulations.

Section 7 – Handling and Storage

Precautions for safe handling:
Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves and eye/face protection. Adequate ventilation should be supplied. Avoid contact with skin, eyes, and clothing. Keep containers tightly closed.

Conditions for safe storage:
Store in cool, dry, and well-ventilated place. Containers should be clearly identified, clear of obstructions and accessible only to authorized personnel. Protect from sunlight. Have appropriate fire extinguishers/sprinkler system in place. Spill clean-up equipment should be in or near storage area.

Incompatible materials: Strong oxidizers, Strong acids.

Section 8 – Exposure Controls/Personal Protection

Exposure limits:

Chemical Name	ACGIH-TLV	OSHA-PEL
Isopropyl alcohol	200ppm	400ppm
Dipropylene glycol n-butyl ether	Not available	Not available
Dipropylene glycol n-propyl ether	Not available	Not available

Section 8 – Exposure Controls/Personal Protection (Continued)

Exposure controls:

Ventilation and engineering measures: Use in well-ventilated area. Apply technical measures to comply with occupational exposure limits if needed.

Respiratory measures: If airborne concentrations are above the permissible exposure limit, use NIOSH approved respirators.

Skin Protection: Wear protective gloves. Where extensive exposure to the product is possible, use resistant apron/suit and boots.

Eye/face Protection: Goggles or safety glasses with side shields.

Other Protective equipment: Ensure that eyewash stations and a safety shower are close to the workstation(s).

General hygiene considerations: Avoid contact with eyes, skin, and clothing. Do not eat, drink, or smoke when using this product. Wash hands after handling. Remove and wash all contaminated clothing before re-use. Handle in accordance with good industrial hygiene and safety practice.

Section 9 – Physical and Chemical Properties

Appearance: Clear yellow liquid.
Odor: Pleasant citrus odor
Odor threshold: Not available
pH: 8.0
Melting/Freezing pointing: Not available
Boiling point and boiling range: >100C (212F)
Flash point: >93C (199.4)
Evaporation point (Butyl Acetate=1): Not available
Flammability (method determination): Small Scale closed cup, ASTM D3278/D3828
Lower flammability limit (% by vol.): Not available
Upper flammability limit (% by vol.): Not available
Vapor pressure: Not available
Vapor density: Not available
Relative density: 0.99-1.01
Solubility in water: Complete
Partition Coefficient (n-octanol/water): Not available
Auto ignition temperature: Not available
Decomposition temperature: Not available
Viscosity: Not available
Volatiles (% by wt) = 0.2%
Volatile organic compounds: Isopropyl alcohol.
Other physical/chemical comments: No additional information.

Section 10 – Stability and Reactivity

Reactivity: Not normally reactive.
Chemical stability: Stable under normal conditions.
Possibility of hazardous reactions: Hazardous polymerization does not occur.
Conditions to avoid: Heat. Contact with incompatible materials.
Incompatible materials: Strong oxidizers, Strong acids.
Hazardous decomposition products: Carbon oxides.

Section 11 – Toxicological Information

Information on routes of exposure:
Routes of entry - Inhalation: YES
Routes of entry - Skin & eye: YES
Routes of entry - Ingestion: YES
Routes of entry - Skin absorption: YES

Potential Health Effects:

Signs and symptoms of short-term exposure:
Signs and symptoms: Inhalation – May cause respiratory irritation. May cause headache, nausea, dizziness, and other symptoms of central nervous system depression.

Signs and symptoms: Ingestion – Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Signs and symptoms: Skin – May cause irritation. Symptoms may include redness, edema, drying, defatting, and cracking of the skin.

Signs and symptoms: Eyes – May cause severe irritation.

Potential Chronic Health Effects: None known.

Mutagenicity: Not hazardous by OSHA/WHMIS criteria.

Carcinogenicity: No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.

Reproductive effects: Not hazardous by OSHA/WHMIS criteria.

Sensitization to material: No data available to indicate product may be a sensitizer.

Specific target organ effects: Not Available.

Medical conditions aggravated by overexposure: Pre-existing skin and eye conditions.

Section 11 – Toxicological Information (Continued)

Toxicological data: The calculated ATE value for this mixture is above classification parameters.

Chemical Name	LD50-Oral	Dermal
Isopropyl alcohol	400ppm	200pm
Dipropylene glycol n-butyl ether	>3,700mg/kg (rat)	>2000mg/kg (rabbit)
Dipropylene glycol n-propyl ether	>2000mg/kg (rat)	2000mg/kg (rabbit)

Section 12 – Ecological Information

Ecotoxicity: This product itself has not been tested.
Mobility in Soil: This product itself has not been tested.
Persistence and degradability: This product itself has not been tested.
Bioaccumulation potential: This product itself has not been tested.
Other adverse Environmental effects: None Known.

Section 13 – Disposal Information

Handling for disposal: Handle in accordance with good industrial hygiene and safety practice. Refer to protective measures listed in sections 7 and 8.

Methods of disposal: Dispose in accordance with all applicable federal, state, provincial and local regulation. Contact your federal, state, provincial and local authorities for specific rules.

Section 14 – Transportation Information

US 49 CFR/DOT Hazard Classification:
UN No.: Not DOT Regulated
UN Proper shipping name: Not Applicable
Transport hazard class: Not Applicable
Packing group: Not Applicable
ERG: Not Applicable
Special Transportation Notes: None

DOT Marine Pollutants: This product does not contain Marine Pollutants as defined in CFR 49 171.8.

IMDG/IMO Code Shipping Classification:
UN No.: Not IMDG Regulated
UN Proper shipping name: Not Applicable
Transport hazard class: Not Applicable
Packing group: Not Applicable
ERG: Not Applicable

Not classified as a marine pollutant.

Section 14 – Transportation Information (Continued)

ICAO/IATA Air Transport Classification
UN No.: Not ICAO Regulated
UN Proper shipping name: Not Applicable
Transport hazard class: Not Applicable
Packing group: Not Applicable
ERG: Not Applicable

Section 15 – Regulatory Information

US Federal Information:
TSCA: All listed ingredients appear on the Toxic Substances Control Act.

US CERCLA Reportable quantity (RQ): Not Reportable

SARA Title III: Sec. 302, Extremely Hazardous Substances, 40 CFR 355:
No extremely hazardous substances are present in this material.

SARA Title III: Sec. 311 and 312, MSDS Requirements, 40 CFR 370 Hazard Classes:
Reactive Hazard, Acute Health Hazard, Chronic Health Hazard. Under SARA Section 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500 pounds for the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.

SARA Title III: Sec. 313, Toxic Chemicals Notification, 40 CFR 372:
This product contains isopropyl alcohol.

State Regulations:
California Proposition 65: This product does not contain a chemical known to the State of California to cause birth defect, reproductive harm, or cancer.

International Information:
Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).

Section 16 – Other Information

HMIS – Hazardous Materials Identification System
Health -1 Flammability -1 Physical Hazard -1 PPE –B

NFPA – National Fire Protection Association
Health -1 Flammability -1 Reactivity -1

Section 16 – Other Information (Continued)

Abbreviations legend:

ACGIH: American Conference of Governmental Industrial Hygienist
CAS: Chemical Abstract Services
CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act of 1986
CFR: Code of Federal Regulations
CSA: Canadian Standards Association
DOT: Department of Transportation
ECOTOX: U.S. EPA Ecotoxicology Database
EINECS: European Inventory of Existing Commercial Chemical Substances
EPA: Environmental Protection Agency
HSDB: Hazardous Substances Database
IARC: International Agency for Research on Cancer
IBC: Intermediate Bulk Container
IUCLID: International Uniform Chemical Information Database
LC: Lethal Concentration
LD: Lethal Dose
NIOSH: National Institute of Occupational Safety and Health
NTP: National Toxicology Program
OECD: Organization for Economic Cooperation and Development
PEL: Permissible Exposure Limit
RCRA: Resource Conservation and Recovery Act
RTECS: Registry of Toxic Effects of Chemical Substances
SARA: Superfund Amendments and Reauthorization Act
SDS: Safety Data Sheet
STEL: Short Term Exposure Limit
TDG: Canadian Transportation of Dangerous Goods Act & Regulations
TLV: Threshold Limit Values
TWA: Time Weighted Average
WHMIS: Workplace Hazardous Materials Identification System

Disclaimer

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