SWING PAINTS LIMITED
2100 ST PATRICK STREET
MONTREAL, QC H3K 1B2
(514) 932-2157

PRODUCT: JAPAN DRYER **CODE: 9021**

1. IDENTIFICATION

PRODUCT IDENTIFIER	KLENK'S JAPAN DRYER
PRODUCT CODE	902160, 902150
RECOMMENDED USE	COATING ADDITIVE
SUPPLIER	SWING PAINTS LIMITED 2100 ST PATRICK STREET MONTREAL, QC H3K 1B2 CANADA 514-932-2157
EMERGENCY PHONE NO	514-932-2157 8:00 - 17:00 EST

2. HAZARDOUS IDENTIFICATION

Hazardous Classification of the substance or mixture

Flammable liquids	Category 3
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Carcinogenicity	Category 2
Reproductive toxicity	Category 2
Specific target organ toxicity, single exposure	Category 3
Aspiration toxicity	Category 1

Hazard pictograms

Signal Word: Danger

Hazard statements
Flammable liquid and vapor
Harmful if swallowed
Causes skin irritation
May cause an allergic skin reaction
Causes eye irritation
May cause respiratory irritation
May cause drowsiness or dizziness
Suspected of causing cancer
Suspected of damaging fertility or the unborn child
May be fatal if swallowed and enters airways

Precautionary Statements

Prevention
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Wear protective gloves/protective clothing/eye protection/face protection
Do not breathe dust/fume/gas/mist/vapors/spray
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking
Use only outdoors or in a well-ventilated area

Response
IF exposed or concerned: Get medical advice/attention
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
IF ON SKIN: Wash with plenty of soap and water.
Take off contaminated clothing and wash before reuse.
If skin irritation occurs, get medical advice/attention
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Call a doctor if you feel unwell.
IF SWALLOWED: Call a POISON CENTER or doctor
Do NOT induce vomiting
In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish

Storage
Store locked up
Store in a well-ventilated place

Disposal
Dispose of contents/container in accordance with local/regional/national/international regulations

Other Information
No data available

3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS #	WT %
Stoddard Solvent	8052-41-3	50-90
Distillates (petroleum), Hydrotreated Light	64742-47-8	10-50
Manganese 2-ethylhexanoate	15956-58-8	8-10
Cobalt 2-ethylhexanoate	136-52-7	4-5
Zirconium 2-ethylhexanoate	22464-99-9	4-5

Notes:
The Stoddard Solvent contains 1,2,4- Trimethylbenzene, CAS # 95-63-6 (1-5%), Xylene, CAS # 1330-20-7 (0.1- 0.9%), Ethylbenzene, CAS # 100-41-4 (0.1-0.5%), Naphthalene, CAS # 91-20-3 (0.1-0.5%), Nonane, CAS # 111-84-2 (1.0-5.0%) as part of it's composition.

4. FIRST-AID MEASURES

Description of first aid measures

General advice
Show this safety data sheet to the doctor in attendance. IF exposed or concerned: Get medical advice/attention. Immediate medical attention is required.

Inhalation
Aspiration into lungs can produce severe lung damage. If breathing has stopped, give artificial respiration. Get medical attention immediately. Remove to fresh air. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. If breathing is difficult, (trained personnel should) give oxygen. Delayed pulmonary edema may occur.

Eye contact
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area. Remove contact lenses, if present and easy to do. Continue rinsing.

Skin contact
Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

Ingestion
ASPIRATION HAZARD IF SWALLOWED - CAN ENTER LUNGS AND CAUSE DAMAGE. Do NOT induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Get immediate medical advice/attention.

Self-protection of the first aider
Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Use personal protective equipment as required.

Most important symptoms and effects, both acute and delayed:
Low toxicity. Slightly irritating, but will not injure eye tissue. Small amounts of liquid aspirated into the respiratory system during ingestion or from vomiting may cause mild to severe pulmonary injury and possibly death. Frequent or prolonged contact may irritate the skin and cause a skin rash (dermatitis). High vapor/aerosol concentrations (attainable at elevated temperatures well above ambient) are irritating to the eyes and the respiratory tract, and may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness, and other central nervous system effects. Skin contact may aggravate an existing dermatitis condition.

Indication of any immediate medical attention and special treatment needed:
Note to physicians
The main hazard following accidental ingestion is aspiration of the liquid into the lungs producing chemical pneumonitis.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Use DRY chemicals, CO2, alcohol foam or water spray.

Special hazards arising from the substance or mixture
Either the liquid or vapor may settle in low areas or travel some distance along the ground or surface to ignition sources where they may ignite or explode. Emits toxic fumes under fire conditions. Combustible. Avoid spraying water directly into storage containers due to danger of boil over. This liquid is volatile and gives off invisible vapors.

Hazardous combustion products
Carbon monoxide. Carbon dioxide. Smoke

Special protective equipment for firefighters
Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe areas. Use personal protective equipment as required. See section 8 for more information. Take precautionary measures against static discharges. Do not touch or walk through spilled material. Ensure adequate ventilation.

Environmental precautions

Refer to protective measures listed in Sections 7 and 8. Prevent further leakage or spillage if safe to do so.

Methods and materials for containment and cleaning up

Stop leak if you can do it without risk. Do not touch or walk through spilled material. Dike far ahead of liquid spill for later disposal.
Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Flammable. Keep the containers closed when not in use. Empty containers may contain hazardous product residues. Handle and open containers with care. Ensure proper electrical grounding procedures are in place. DO NOT handle or store near an open flame, heat, or other sources of ignition. Protect material from direct sunlight. Material will accumulate static charges which may cause an electrical spark (ignition source). DO NOT pressurize, cut, heat, or weld containers. DO NOT reuse empty containers with out commercial cleaning or reconditioning.

Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well ventilated area, away from heat and ignition sources.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters
Exposure limits are listed below, if they exist.

CHEMICAL NAME	EXPOSURE LIMIT ACGIH
Stoddard Solvent 8052-41-3	100 ppm TLV-TWA
Distillates (petroleum), Hydrotreated Light 64742-47-8	Not Available
Manganese 2-ethylhexanoate 15956-58-8	Not Available
Cobalt 2-ethylhexanoate 136-52-7	0.02 ppm TLV-TWA
Zirconium 2-ethylhexanoate 22464-99-9	Not Available

Consult local authorities for recommended exposure limits.

Appropriate engineering controls

Engineering controls

Local exhaust ventilation as necessary to maintain exposures to within applicable limits. In the laboratory environment, this product should be handled in a hood. Provide mechanical ventilation in confined spaces.

Individual protection measures

Eye/face protection
Safety glasses with side shields.

Hand protection
Impervious gloves.

Skin and body protection
The selection of personal protective equipment varies depending upon conditions of use.

Respiratory protection
If exposure exceeds occupational exposure limits, use an appropriate NIOSH-approved respirator.

General hygiene considerations
Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	
Physical state	Liquid
Colour	Purple
Odour	Mild petroleum
Odour threshold	No data available
pH	No data available
Melting point / freezing point	No data available
Boiling point	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Flammability Limit in Air	
Upper flammability limit	No data available
Lower flammability limit	No data available
Vapor pressure	No data available
Relative vapor density	No data available
Specific gravity	0.8
Water solubility	No data available
Solubility in other solvents	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
Explosive properties	No data available
Oxidizing properties	No data available

10. STABILITY AND REACTIVITY

Reactivity/Chemical Stability
Stable.

Possibility of hazardous reactions
No additional remark.

Hazardous polymerization
Will not occur.

Conditions to avoid
Avoid excessive heat, open flames and all ignition sources.

Incompatible materials
Strong oxidizing agents.

Hazardous decomposition products
Carbon monoxide. Toxic fumes. Smoke.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation
High vapor/aerosol concentrations (attainable at elevated temperatures well above ambient) are irritating to the eyes and the respiratory tract, and may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness, and other central nervous system effects.

Eye contact
May cause serious eye irritation.

Skin contact
Low toxicity. Frequent or prolonged contact may irritate the skin and cause a skin rash (dermatitis). Skin contact may aggravate an existing dermatitis condition.

Ingestion
Low toxicity. Small amounts of liquid aspirated into the respiratory system during ingestion or from vomiting may cause mild to severe pulmonary injury and possibly death.

Information on toxicological effects

Symptoms
Difficulty in breathing. Coughing and/ or wheezing. Dizziness.

Numerical measures of toxicity

CHEMICAL NAME	ORAL LD50	DERMAL LD50	INHALATION LC50
Stoddard Solvent 8052-41-3	Not available	Not available	Not available
Distillates (petroleum), Hydrotreated Light 64742-47-8	>5000 mg/kg (Rat)	>2000 mg/kg (Rabbit)	>5.2 mg/L (Rat) 4 h
Manganese 2-ethylhexanoate 15956-58-8	Not available	Not available	Not available
Cobalt 2-ethylhexanoate 136-52-7	1300 mg/kg (Rat)	Not available	Not available
Zirconium 2-ethylhexanoate 22464-99-9	Not available	Not available	Not available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation
Low toxicity. Frequent or prolonged contact may irritate the skin and cause a skin rash (dermatitis). Skin contact may aggravate an existing dermatitis condition.

Serious eye damage/eye irritation
May cause serious eye irritation.

Respiratory or skin sensitization
No information available.

Germ cell mutagenicity
Classification based on data available for ingredients. Contains a known or suspected mutagen.

Carcinogenicity
This product contains ethylbenzene. The International Agency for Research on Cancer has evaluated ethylbenzene and classified it as a possible human carcinogen (Group 2B) based on sufficient evidence for carcinogenicity in experimental animals, but inadequate evidence for cancer in exposed humans.

INGREDIENTS	ACGIH	IARC	NTP	OSHA
Stoddard Solvent 8052-41-3	Not available	Not available	Not available	Not available
Distillates (petroleum), Hydrotreated Light 64742-47-8	Not available	Not available	Not available	Not available
Manganese 2-ethylhexanoate 15956-58-8	Not available	Not available	Not available	Not available
Cobalt 2-ethylhexanoate 136-52-7	Not available	Not available	Not available	Not available
Zirconium 2-ethylhexanoate 22464-99-9	Not available	Not available	Not available	Not available

Reproductive Toxicity
Cobalt 2-ethylhexanoate has demonstrated possible reproductive toxicity.

Specific target organ systemic toxicity - single exposure

May cause drowsiness or dizziness.

Specific target organ systemic toxicity - repeated exposure
Chronic respiratory disorders, skin disorders, liver and kidney disorders.

Aspiration hazard
May be fatal if swallowed and enters airways.

12. ECOLOGICAL INFORMATION

Ecotoxicity

CHEMICAL NAME	Ecotoxicity – Freshwater Algae (EC50)	Ecotoxicity - Fish Species (LC50)	Toxicity - Microorganisms	Ecotoxicity - Crustacea (EC50)
Stoddard Solvent 8052-41-3	Not available	Not available	Not available	Not available
Distillates (petroleum) Hydrotreated Light 64742-47-8	Not available	2.2 mg/L, 96h static (Lepomis macrochirus) 2.4 mg/L, 96h static (Oncorhynchus mykiss) 45 mg/L, 96h flow (Pimephales promelas)	Not available	Not available
Manganese 2-ethylhexanoate 15956-58-8				
Cobalt 2-ethylhexanoate 136-52-7				
Zirconium 2-ethylhexanoate 22464-99-9				

Persistence and degradability
No information available.

Biodegradability
No information available.

Other adverse effects:
No information available.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation. Do not reuse empty containers.

14. TRANSPORT INFORMATION

TDG (Canada):
UN Number UN 1263
Shipping name PAINT RELATED MATERIAL (Petroleum Distillates)
Class 3
Packing Group III
Marine pollutant No

DOT (U.S.)
UN Number UN 1263
Shipping name PAINT RELATED MATERIAL (Petroleum Distillates)
Class 3
Packing Group III
Marine pollutant No

15. REGULATORY INFORMATION

Canadian Domestic Substances List (DSL)
All substances contained in this product are listed on the Canadian Domestic Substances List (DSL) or are not required to be listed.

16. OTHER INFORMATION

PREPARED BY..... Regulatory Affairs

PREPARATION DATE..... June 1, 2018

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End of Safety Data Sheet