

Safety Data Sheet



Waste Stream: Contaminates of oil contaminated cans
Report Ref: KSIA005

Revision date: 13 June 2016
Version: 0

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Waste Stream Contaminates of oil contaminated cans		
Waste Generation Process Used oily cans at KSIA		
Restrictions on use Not to be re-used, can be recycled by an approved supplier.		
Generators Name King Shaka International Airport		
Street address King Shaka Dr La Mercy		
City Durban	Province KwaZulu Natal	
Postal Code 4405	Emergency Telephone ACSA Help Desk : 032-436-6758	
Fax	Email Nontokozi.Nzama@airports.co.za	
Date SDS prepared 13 June 2016	SDS prepared by Dolphin Coast Environmental Laboratory Solutions	Phone number/ Email Address 087 353 9750 / info@dceles.co.za

SECTION 2 HAZARDS IDENTIFICATION

Human Health	Aspiration hazard (Category 1), H304 Carcinogen (Category 1B) H350		
Environment	Aquatic Chronic (Category 4) – H413		
Physical	None Identified		
Signal words	DANGER		
Hazard Statements	<u>PHYSICAL</u> None identified	<u>HEALTH</u> H304: May be fatal if swallowed and enters airways H350: May cause cancer	<u>ENVIRONMENTAL</u> H413: May cause long lasting harmful effects to aquatic life

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Precautionary statements	<p align="center">PREVENTION</p> <p>P264 Wash thoroughly after handling.</p> <p>P281 Use personal protective equipment as required</p>	<p align="center">RESPONSE</p> <p>P308 + P313 IF exposed or concerned: Get medical advice/attention.</p> <p>P331 Do NOT induce vomiting</p> <p>P362 Take off contaminated clothing and wash before reuse</p>	<p align="center">STORAGE/DISPOSAL</p> <p>P501 Dispose of contents as per local regulations.</p>
<p>Pictograms:</p>			

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Substance	Mixture	X
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The contaminants are listed below:

Hazardous ingredients	% (concentration range)	CAS Number
Lubricating oils, used oil	Residual	74869-22-0
Alkenylamine	Residual	112-90-3
Kerosene	Residual	8008-20-6
Oil mist	Residual	8012-95-1

SECTION 4 FIRST AID MEASURES

<p>Skin contact: Immediately remove/take off all contaminated clothing and rinse all affected areas with water and soap.</p>
<p>Eye contact Use clean, lukewarm tap water for at least 20 minutes. Use whichever of these approaches is quickest:</p> <ul style="list-style-type: none"> ○ Get into the shower and aim a gentle stream of water on your forehead over your affected eye. Or direct the stream on the bridge of your nose if both eyes are affected. ○ Hold the lids of your affected eye or eyes open. Put your head down and turn it to the side. Then hold the lids of your affected eye open under a gently running faucet. If you have access to a work site eye-rinse station, use it. <p>After thoroughly flushing the eye(s), it would be wise to see your ophthalmologist as soon as possible or go to the emergency room of a nearby hospital. Eye Wash stations in the working area will be advantageous.</p>

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<p>Inhalation Remove to fresh air and keep at rest in a position comfortable for breathing; until help arrives.</p>
<p>Ingestion Rinse mouth. Do not induce vomiting.</p>
<p>Most important symptoms and effects (acute and delayed): Symptoms: Lubricating Oils: Irritation of the respiratory tract due to excess fumes mists or vapour exposure. Effects: None Identified</p>
<p>Protection of First Aiders and notes for doctor: This product contains hazardous constituents, at unknown concentrations, see section 3 for all material and treat symptomatically.</p>

SECTION 5 FIRE FIGHTING MEASURES

<p>Suitable extinguishing media</p> <ul style="list-style-type: none"> • Foam (Specifically trained personnel only) • Water fog (Specifically trained personnel only) • Dry chemical powder • Carbon dioxide • Other inert gases (subject to regulations) • Sand or earth 	<p>Unsuitable extinguishing media</p> <ul style="list-style-type: none"> • Direct water jets on the burning product. • Simultaneous use of foam and water on the same surface.
<p>Hazardous combustion products: Combustion materials may be toxic. Burning may produce carbon monoxide, carbon dioxide and other unidentified organic compounds.</p>	
<p>Precautions for Fire-fighters Complete PPE should be used at all times.</p>	

SECTION 6 ACCIDENTAL RELEASE MEASURES

<p>Personal precaution Wash hands, forearms and face thoroughly after handling waste stream; before eating, smoking, using the lavatory and at the end of the work day. Appropriate measures shall be used to remove potentially contaminated clothing and shall be washed prior to re-use. Contaminated materials are to be kept in closed steel containers and must be emptied once full. Used containers should not be removed off site. Access to storage area should be limited to employees working with chemicals.</p>
<p>Protective Equipment See section 8</p>
<p>Emergency Procedures Evacuate non-essential staff and those not equipped with individual protection apparatus. Spillages make surfaces slippery; Fire and rescue team on-site must be contacted in order to ensure all measures are taken and all correct procedures are followed.</p>
<p>Environmental Precautions Do not release into natural environment i.e. Water ways.</p>
<p>Materials for containment Small Spills - Spill kits should be available in appropriate locations i.e. waste storage area, loading area and en-route to the disposal facility. Large Spills - Appropriate hazmat team must be appointed by relevant personnel to ensure spill is appropriately cleared. Disposal Vehicles must have adequate labelling.</p>

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Methods and materials for clean-up, neutralization and recovery
 Contain, collect and dispose of spilled waste as per local regulations.

SECTION 7 HANDLING AND STORAGE

Precautions for safe handling
 Keep away from sparks and flame. Do not breathe vapour. Handling area must be well ventilated. Avoid contact with eyes, skin, clothing, and shoes. Do not smoke near this waste stream.

Conditions for safe storage
 Prior to disposal product must be stored in a dry, cool and well-ventilated place. The area must be bunded to ensure contaminants do not leach into the surrounding areas.

SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Permissible concentrations Date: n/a Source: n/a Recommended test method: n/a	OEL <i>Oil:</i> ACGIH - TWA: 5mg/m3 OSHA - TWA: 5mg/m3 STEL: 10mg/m3	Biological limits See comment below
Engineering controls Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If sulphur compounds are suspected to be present in the product, check the atmosphere for H ₂ S content		
PPE: Respiratory Protection: Dust Mask; unless other personal protection stipulated by approved inspection authority. Hand Protection: chemical resistance, specifically to aromatic hydrocarbons Eye Protection: The use of dustproof goggles or glasses with side protections is recommended. Skin and Body Protection: Chemical Resistant overalls and safety shoes.		
Comments: No exposure limits have been established for this material, however exposure limits may be available for individual constituents, listed in section 3. Contaminated packaging contains minute amounts of constituents listed in section 3.		

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance 5 - 25lt containers.	Odour Mild petroleum hydrocarbon	pH (concentration) Not determined
Melting point Not determined	Freezing point Not determined	Boiling point, initial boiling point, boiling range Not determined
Flashpoint >60	Upper/lower flammability/explosive limits Not determined	Vapour pressure Not determined
Vapour density Not determined	Density/relative density Not determined	Solubility Insoluble

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n-octanol/water partition coefficient Not determined	Auto-ignition temperature Not determined	Decomposition temperature Not determined
Odour threshold Not determined	Evaporation rate Not determined	Flammability Flammable at high temperatures
Viscosity Not determined	Radioactivity Not determined	

Note: further tests will have to be conducted for the above mentioned parameters

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If no, under which conditions
Incompatibility with other substances Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	If yes, which ones? May react with strong acids or strong oxidizing
Anticipated hazardous decomposition products Carbon Monoxide and Carbon dioxide	

SECTION 11 TOXICOLOGICAL INFORMATION

Component 1 - Kerosene	
Acute toxicity Conclusive but not for classification	Skin irritation/corrosion Conclusive but not for classification
Eye damage/irritation Conclusive but not for classification	Respiratory or skin sensitization Conclusive but not for classification
Germ cell mutagenicity Conclusive but not for classification	Carcinogenicity Conclusive but not for classification
Reproductive toxicity Conclusive but not for classification	Specific target organ toxicity – single exposure conclusive but not sufficient for classification
Specific target organ toxicity – repeated exposure Conclusive but not for classification	Aspiration hazard Aspiration hazard (Category 1), H304
Component 2 – Oil Mist	
Acute toxicity Conclusive but not for classification	Skin irritation/corrosion Conclusive but not for classification
Eye damage/irritation Conclusive but not for classification	Respiratory or skin sensitization Conclusive but not for classification
Germ cell mutagenicity Conclusive but not for classification	Carcinogenicity Conclusive but not for classification

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Reproductive toxicity Conclusive but not for classification	Specific target organ toxicity – single exposure Conclusive but not for classification
Specific target organ toxicity – repeated exposure Conclusive but not for classification	Aspiration hazard Aspiration hazard (Category 1), H304
Component 3 - Lubricating Oils	
Acute toxicity Conclusive but not for classification	Skin irritation/corrosion Conclusive but not for classification
Eye damage/irritation Conclusive but not for classification	Respiratory or skin sensitization Conclusive but not for classification
Germ cell mutagenicity Conclusive but not for classification	Carcinogenicity Carcinogen (Category 1B) H350
Reproductive toxicity Conclusive but not for classification	Specific target organ toxicity – single exposure conclusive but not sufficient for classification
Specific target organ toxicity – repeated exposure Conclusive but not for classification	Aspiration hazard Conclusive but not for classification

Note: Residual amounts of the above mentioned contaminants will be present.

SECTION 12 ECOLOGICAL INFORMATION

Component	
Aquatic toxicity Aquatic Chronic (Category 4) - H413: May cause long lasting harmful effects to aquatic life	Possible environmental impact Do not dispose of oil contaminated cans into water ways and on the ground.
Persistence and biodegradability Not readily biodegradable	Bio-accumulative potential No Data Available
Mobility in soil No Data Available	Ecological Limit Values No Data Available

SECTION 13 DISPOSAL CONSIDERATIONS

Waste treatment methods Can be recycled by an approved supplier.
Waste Disposal options Waste shall be disposed of according to all applicable regulations. Records of all waste been disposed must be retained and a safe disposal certificate, where applicable, must also be received from the waste disposal facility or a designated authorized area.
Any other information Landfill at an approved site in accordance with national and local regulations. Do not dump into any sewers, on the ground, or into any body of water.

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SECTION 14 TRANSPORT INFORMATION

UN number 3077	UN proper shipping name Environmental Hazardous Substance; Solid; N.O.S	UN classification 9
Packaging group II	Marine Pollutant yes	Transport in bulk according to MARPOL Not Available
Special Precautions During transportation personnel handling this waste stream must be careful of possible exposure and spillage.		

SECTION 15 REGULATORY INFORMATION

Labelling Requirements 

SECTION 16 OTHER INFORMATION

A large quantity of data has been reviewed from various sources based on the contaminants of the above mentioned waste stream.
The information gathered and contents of this Safety Data Sheet are based on the current knowledge of the contaminants and an overall description of what could possibly be harmful to humans/aquatic environment. The waste stream must not be used for any other purpose unless handling instructions are obtained from the supplier.
Risk Phrases that might apply to the above product: R10 Flammable R45 May cause cancer R46 May cause inheritable genetic damage R58 May cause long-term adverse effects in the environment
REFERENCES: 1. The European Chemicals Agency.[ONLINE] Available at: http://echa.europa.eu/ 2. Sigma-Aldrich. 2014. sigma-Aldrich. [ONLINE] Available at: https://www.sigmaaldrich.com/south-africa.html . 3. General Material Safety Data Sheets of oils used at King Shaka International Airport. 4. SANS 10243 (2008) Globally Harmonized System of classification and labelling of chemicals 5. Understanding the globally harmonized system of classification and labelling of chemicals(GHS) – June 2010
NOTICE: DCELS has completed this SDS through information conducted in good faith and believed to be correct and according to SANS 10234 at the date hereof. DCELS makes no depiction as to the completeness or accuracy thereof. Information is supplied and it is the responsibility of the persons receiving the substance to make their own determination as to the safety and suitability of their purposes prior to use. DCELS accepts no responsibility for damages of any nature whatsoever resulting from the use or reliance on the above information.