

SAFETY DATA SHEET

HAZARDOUS, NON-DANGEROUS GOODS

1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product name	Zi-400 HD Aircraft Cleaner
Recommended use	Concentrated specialised exterior/interior aircraft cleaner and corrosion inhibitor.
Supplier	Solidus Industries Pty Ltd
ABN	89007267021
Street address	Suite 373 7 Clunies Ross Court Eight Mile Plains QLD 4113 Australia
Telephone	+61 7 3056 0289
Email	info@solidus.industries
Emergency Telephone Number	+61 7 3056 0289 (8:30 am - 4:30 pm, Monday - Friday)

2. HAZARDS IDENTIFIATION

This material is hazardous according to the criteria of Safe Work Australia GHS 7.

Label Elements

Hazard Pictogram(s)	
Signal Word	Warning

Hazard Classifications

Skin Irritation	Category 2
Eye Irritation	Category 2A

Hazard Statements

H315	Causes skin irritation.
H319	Causes serious eye irritation

Prevention Precautionary Statement

P280	Wear protective gloves/protective clothing including eye/face protection
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Response Precautionary Statements

P302+P352	IF ON SKIN: Wash with plenty of water and soap.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.

Storage Precautionary Statement

Not Allocated

Disposal Precautionary Statement

Not Allocated

Poison Schedule

Not Applicable

DANGEROUS GOOD CLASSIFICATION

Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".

3. COMPOSITION INFORMATION		
CHEMICAL ENTITY	CAS NO	PROPORTION
Surfactants, proprietary	Not Available	1.0 – 10 % (w/w)
Alcohols C10-12 ethoxylated	Not Available	< 3.0 % (w/w)
Ingredients determined to be Non-Hazardous: 100%		

4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

Inhalation	<ul style="list-style-type: none">Remove victim from exposure - avoid becoming a casualty.Remove contaminated clothing and loosen remaining clothing.Allow patient to assume most comfortable position and keep warm.Keep at rest until fully recovered.Seek medical advice if effects persist.
Skin Contact	If skin or hair contact occurs: <ul style="list-style-type: none">immediately remove contaminated clothing and flush skin and hair with running water.Continue flushing with water until advised to stop by the Poisons Information Centre or a Doctor; or for 15 minutes and transport to Doctor or Hospital.
Eye Contact	If in eyes: <ul style="list-style-type: none">Hold eyelids apart and flush the eyes continuously with running water.

	<ul style="list-style-type: none">Continue flushing until advised to stop by the Poisons Information Centre or a Doctor; or for at least 15 minutes and transport to Doctor or Hospital.
Ingestion	<ul style="list-style-type: none">If swallowed, do NOT induce vomiting.Rinse mouth with water.Give a glass of water to drink.Never give anything by the mouth to an unconscious patient.If vomiting occurs give further water. Seek medical advice.
PPE for First Aiders	<ul style="list-style-type: none">Wear rubber boots, overalls, gloves, chemical goggles.Available information suggests that gloves made from PVC should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment.Always wash hands before smoking, eating, drinking or using the toilet.Wash contaminated clothing and other protective equipment before storing or re-using.
Notes to physician	Treat symptomatically.

5. FIRE FIGHTING MEASURES

Hazchem Code	Not Applicable
Suitable extinguishing media	If material is involved in a fire use water fog (or if unavailable fine water spray), alcohol resistant foam, standard foam, dry agent (carbon dioxide, dry chemical powder).
Specific hazards	Non-combustible material.
Fire fighting further advice	Not Applicable

6. ACCIDENTAL RELEASE MEASURES


SMALL SPILLS	<ul style="list-style-type: none">Wear protective equipment to prevent skin and eye contamination.Avoid inhalation of vapours or dust.Wipe up with absorbent (clean rag or paper towels).Collect and seal in properly labelled containers or drums for disposal.
LARGE SPILLS	<p>Slippery when spilt.</p> <ul style="list-style-type: none">Clear area of all unprotected personnel.Avoid accidents, clean up immediately.Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours.Work up wind or increase ventilation.Contain - prevent run off into drains and waterways.Use absorbent (soil, sand or other inert material).Collect and seal in properly labelled containers or drums for disposal.If contamination of crops, sewers or waterways has occurred advise local emergency services.

7. HANDLING AND STORAGE

Handling	<ul style="list-style-type: none">Avoid eye contact and skin contact.Avoid inhalation of vapour, mist or aerosols
Storage	<ul style="list-style-type: none">Store in a cool, dry, well-ventilated place and out of direct sunlight.

- Store away from foodstuffs.
- Store away from incompatible materials described in Section 10.
- Store away from sources of heat and/or ignition.
- Keep container standing upright.
- Keep containers closed when not in use - check regularly for leaks.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters	
National occupational exposure limits	No value assigned for this specific material by Safe Work Australia.
Biological Limit Values	As per the "National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)" the ingredients in this material do not have a Biological Limit Allocated.
Exposure Controls	
Personal Protection Equipment	<div></div> <p>RUBBER BOOTS, OVERALLS, GLOVES, CHEMICAL GOGGLES.</p> <p>Personal protective equipment (PPE) must be suitable for the nature of the work and any hazard associated with the work as identified by the risk assessment conducted.</p> <p>Wear rubber boots, overalls, gloves, chemical goggles. Available information suggests that gloves made from PVC should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment.</p> <p>Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.</p>
Hygiene Measures	<ul style="list-style-type: none">• Keep away from food, drink and animal feeding stuffs.• When using do not eat, drink or smoke.• Wash hands prior to eating, drinking or smoking.• Avoid contact with clothing.• Avoid eye contact and skin contact.• Avoid inhalation of vapour, mist or aerosols.• Ensure that eyewash stations and safety showers are close to the workstation location.

9. PHYSICAL AND CHEMICAL PROPERTIES

Material Family	Organic Materials		
Form	Liquid	Colour	Clear, yellow / green alkaline liquid
Odour	Faint lemon odour		

Solubility	Miscible with water	Solubility in water	Miscible in water
Specific Gravity	1.06	Relative Vapour Density (air=1)	1 (approx)
Vapour Pressure	2.3 @ 20 °C (water)	Flash Point (°C)	Not applicable
Explosion/Flammability Limits	Not applicable	Autoignition Temperature (°C)	Not applicable
Melting Point/Range (°C)	Not Available	Pour Point/Range (°C)	Not Available
Boiling Point/Range (°C):	> 100 °C	Decomposition Point (°C)	Not Available
Sublimation Point (°C):	Not Available	Dropping Point (°C)	Not Available
pH As Supplied	11.8 ± 0.4	pH Use Dilution	8.35
Viscosity	37.74 cSt	Surface Tension	Not Available
Evaporation Rate (n-Butyl acetate=1)	Not Available	Partition Coefficient	Not Available
Total VOC (g/Litre)	Not Available	Odour Threshold	Not Available
Explosive properties	Not Available	Oxidising properties	Not Available
% Volatile by Volume	Not Available	Molecular Formula	Not Available
Molecular Weight	Not Available	Particle Size	Not Available
Typical values only - consult specification sheet) N Av = Not available, N App = Not applicable			

10. STABILITY AND REACTIVITY

Chemical Stability	This material is thermally stable when stored and used as directed.
Conditions to avoid	Elevated temperatures and sources of ignition.
Incompatible materials	Oxidising agents.
Hazardous decomposition products	Oxides of carbon and nitrogen, smoke and other toxic fumes.
Hazardous reactions	No known hazardous reactions.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Acute Effects	
Inhalation	Material may be an irritant to mucous membranes and respiratory tract.
Skin Contact	Contact with skin will result in irritation.
Ingestion	Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.
Eye contact	An eye irritant.
Acute Toxicity	
Inhalation	This material has been classified as not hazardous for acute inhalation exposure. Acute toxicity estimate (based on ingredients): LC ₅₀ > 20.0 mg/L for vapours or LC ₅₀ > 5.0 mg/L for dust and mist.

Skin contact	This material has been classified as not hazardous for acute dermal exposure. Acute toxicity estimate (based on ingredients): LD ₅₀ > 2,000 mg/Kg bw
Ingestion	This material has been classified as not hazardous for acute ingestion exposure. Acute toxicity estimate (based on ingredients): LD ₅₀ > 2,000 mg/Kg bw
Corrosion/Irritancy	Eye: this material has been classified as a Category 2A Hazard (reversible effects to eyes). Skin: this material has been classified as a Category 2 Hazard (reversible effects to skin).
Sensitisation	Inhalation: this material has been classified as not a respiratory sensitiser. Skin: this material has been classified as not a skin sensitiser.
Aspiration hazard	This material has been classified as not an aspiration hazard.
Specific target organ toxicity (single exposure)	This material has been classified as not a specific hazard to target organs by a single exposure.
Chronic Toxicity	
Mutagenicity	This material has been classified as not a mutagen.
Carcinogenic	This material has been classified as not a carcinogen.
Reproductive toxicity (Including via lactation)	This material has been classified as not a reproductive toxicant.
Specific target organ toxicity (repeat exposure)	This material has been classified as not a specific hazard to target organs by repeat exposure.

12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

Acute aquatic hazard	This material has been classified as not hazardous for acute aquatic exposure. Acute toxicity estimate (based on ingredients): > 100 mg/L
Long-term aquatic hazard	This material has been classified as not hazardous for chronic aquatic exposure. Non-rapidly or rapidly degradable substance for which there are adequate chronic toxicity data available OR in the absence of chronic toxicity data, Acute toxicity estimate (based on ingredients): >100 mg/L, where the substance is not rapidly degradable and/or BCF < 500 and/or log K _{ow} < 4.
Ecotoxicity	No information available.
Persistence and degradability	The product is readily biodegradable. Adhere to local environmental regulations before discharging to sewer or waterways.
Bioaccumulative potential	No information available.
Mobility	No information available.

13. DISPOSABLE CONSIDERATIONS

Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see "Section 8. Exposure Controls and Personal Protection" of this SDS.

If possible material and its container should be recycled. If material or container cannot be recycled, dispose in accordance with local, regional, national and international Regulations.

14. TRANSPORT INFORMATION

ROAD AND RAIL TRANSPORT	Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".
MARINE TRANSPORT	Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.
AIR TRANSPORT	Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

15. REGULATORY INFORMATION

This material is not subject to the following international agreements:

Montreal Protocol (Ozone depleting substances)
The Stockholm Convention (Persistent Organic Pollutants)
The Rotterdam Convention (Prior Informed Consent)
Basel Convention (Hazardous Waste)
International Convention for the Prevention of Pollution from Ships (MARPOL)

This material/constituent(s) is covered by the following requirements:

The Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) established under the Therapeutic Goods Act (Commonwealth): Not Applicable.

AICIS Status: All components of this product are listed on or exempt from the Australian Inventory of Industrial Chemicals (AIIC).

16. OTHER INFORMATION

Reason for issue: First Issue

This information was prepared in good faith from the best information available at the time of issue. It is based on the present level of research and to this extent we believe it is accurate. However, no guarantee of accuracy is made or implied and since conditions of use are beyond our control, all information relevant to usage is offered without warranty. The manufacturer will not be held responsible for any unauthorised use of this information or for any modified or altered versions.

If you are an employer it is your duty to tell your employees, and any others that may be affected, of any hazards described in this sheet and of any precautions that should be taken.

Safety Data Sheets are updated frequently. Please ensure you have a current copy.