

PRODUCT SAFETY DATA SHEET
(according to Regulation (EC) No. 453/2010)

1. Identification of the substance/mixture & of the company/undertaking

1.1 Product Identifier

Trade Name : **T1156 Jiz Lube Acid Wheel Cleaner**

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture : Acid Cleaner/Descaler

Recommended restrictions : At this time we do not have information on restrictions on use. They will be included when available

1.3 Details of the supplier of the safety data sheet

Company : Technikraft Ltd., Britannia Road, Goole, East Yorkshire.
DN14 6ET. Tel: 01405 768815 Fax: 01405 768908

1.4 Emergency telephone number

Emergency phone number : (Office hours only): 01405 768815

2. Hazards Identification.

2.1 Classification of the substance or mixture

Classification according to EU Directive 1999/45/EC

Hazard Symbol/Category of danger Risk Phrases
Corrosive R34, R22

Classification according to Regulation (EC) No 1272/2008

Refer to Section 16.

2.2 Label elements

Labelling according to EU Directive 1999/45/EC

Hazard Symbol:



Classification: C Corrosive

Risk Phrases: R22: Harmful if swallowed
R34: Causes burns

Safety Phrases S2: Keep out of reach of children.
S24/25: Avoid contact with skin and eyes
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.
S45: In case of accident or if you feel unwell seek medical advice immediately (show the label where possible).

Labelling according to Regulation (EC) No 1272/2008

Refer to Section 16.

2.3 Other hazards

No other information is available

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Hazardous components which must be listed on the label

Contains Phosphoric Acid & Ammonium Bifluoride

3. Composition/Information on Ingredients.

3.2 Mixtures

Ingredient Name	Identifiers	Classification 67/548/EEC	Classification EC/1272/2008	Concentration Range
Phosphoric Acid	EC – 231-633-2 CAS – 7664-38-2 Reach - 01- 2119485924-24-xxxx	Corrosive R34	Skin Corr.1B H314	10-20%
Sulphuric Acid	EC – 231-639-5 CAS – 7664-93-9 Reach - 01- 2119458838-20-xxxx	Corrosive R35	Skin Corr.1A H314	5-14.9%
Ammonium Bi-Fluoride	EC – 215-676-4 CAS – 1341-49-7 Reach - 01- 2119458838-20-xxxx	Toxic R25 Corrosive R34	Acute Tox.3 H301 Skin Corr.1B H314	5-9.9%

For the wording of the listed R phrases or H statements, refer to section 16.

4. First Aid Measures.

4.1 Description of first aid measures

Eye Contact: Flush with plenty of clean water for at least 15 minutes. If irritation persists obtain medical attention.

Skin Contact: Wash off with running water for 2 minutes, then apply Calcium Gluconate gel, cover with dry dressing. Remove any contaminated clothing and wash before re-use. Obtain medical attention if irritation persists or blistering occurs.

Inhalation: Remove to fresh air. If symptoms persist, seek medical advice.

Ingestion: Give copious amounts of water to drink. Obtain urgent medical attention.
Notes for Doctors: Contains Ammonium Bifluoride. If swallowed, consider giving effervescent calcium gluconate tablets (Sandocal). For severe burns, injection of calcium gluconate 10% to infiltrate surrounding healthy tissue will help prevent spread of corrosion.

4.2 Most important symptoms and effects, both acute and delayed

No further information available

4.3 Indication of immediate medical attention and special treatment needed

Treatment: Treat symptomatically

5. Fire Fighting Measures:

5.1 Extinguishing Media

Suitable Extinguishing Media : Foam, Dry Powder, Co2, Halon, fine water spray suitable.

Unsuitable Extinguishing Media : None

5.2 Special hazards arising from the substance or mixture

Not combustible. If involved in a fire, or if heated, corrosive/toxic acidic fumes of Hydrogen Fluoride can be released. Can react with aluminium, lead, tin, magnesium or zinc to produce hydrogen gas. Can react vigorously with strong alkalis evolving heat.

5.3 Advice for fire fighters

Wear self contained breathing apparatus and full body protective clothing. Cool closed containers exposed to the fire with water spray. Prevent water run-off from discharging into drains.

6. Accidental Release Measures.

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away. Use protective clothing, chemical eye goggles and PVC or rubber gloves. Avoid contact with skin and eyes. Can react with aluminium, lead, tin, magnesium or zinc to produce hydrogen gas. Can react vigorously with strong alkalis evolving heat.

6.2 Environmental precautions

Inform authorities in case of contamination of water or sewage system. Do not allow product to soak into drains or water courses.

6.3 Methods and materials for containment and cleaning up

Do not allow product to soak into drains or water courses. For small spillages, dilute greatly with water, neutralise with suitable alkali reagent and wash away with large amounts of water. For large spillages, contain by sand or earth and neutralise prior to washing away or absorption and disposal. Dispose only in accordance with Local Authority regulations, via authorised waste disposal agent.

6.4 Reference to other sections

For personal protection refer to section 8

7. Handling and Storage.

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Observe good standards of industrial hygiene. Keep in tightly closed containers. Take note of emission threshold.

7.2 Conditions for safe storage, including any incompatibilities

Keep containers tightly closed. Store between 10-35°C. Protect from frost. Do not store in extremes of temperature or near foodstuffs.

7.3 Specific end uses

To be used as an acid cleaner/descaler.

8. Exposure Controls/Personal Protection.

8.1 Control parameters

Ingredient Name		8hr TWA	15min STEL
Phosphoric Acid	WEL	1mg/m ³	2mg/m ³
Sulphuric Acid	TWA	1mg/m ³	
Ammonium Bifluoride	WEL		2.5mg/m ³

8.2 Exposure controls

Respiratory Protection: Unlikely to be necessary where adequate ventilation is provided. Do not inhale fumes or vapours

Eyes: Chemical eye goggles should be worn. Eye baths should be provided. Use face shield.

Hand: PVC or rubber gloves are recommended. Wear suitable impervious footwear and aprons.

Skin: Wear protective clothing. Remove contaminated clothing and wash with soap and water. Take care to avoid splashing.

8.2.3 Environmental exposure controls

Dispose only in accordance with Local Authority regulations, via authorised waste disposal agent.

9. Physical and Chemical Properties.

9.1 Information on basic physical and chemical properties

Appearance:	Clear Blue Fluid
Odour:	Bland
Odour Threshold:	Not determined
pH Neat:	1.5 – 2.5 typical
Freezing Point:	0°C typical

Evaporation rate:	Not determined
Flammability:	Not Flammable
Upper/Lower Flammability Limits:	Not applicable
Vapour Pressure:	Water=18mm Hg
Vapour Density:	Not determined
Relative Density:	1.115 typical @ 20°C
Solubility:	Soluble in water
Partition Coefficient (Oct/Water):	Not determined
Auto Ignition Temperature:	Not applicable
Decomposition Temperature:	Not determined
Viscosity:	As water
Explosive Properties:	Not applicable
Oxidising Properties:	Not determined

9.2 Other Information

pH @ 5% in tap water: 1.5 – 2.5 typical

10. Stability and Reactivity.

10.1 Reactivity

May react exothermically with strong bases.

10.2 Chemical Stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to Avoid:

High temperatures, naked flames

10.5 Incompatible materials

Strong oxidising agents, silicate containing materials, i.e. Glass.

10.6 Hazardous decomposition products

Hydrogen fluoride, oxides of carbon, water vapour and unidentified organic and inorganic compounds, some of which may be toxic may be evolved. Product is stable under normal conditions

11. Toxicological Information.

11.1 Information on toxicological effects

Eyes:	Contact causes irritation and burns. No permanent damage if treated immediately.		
Skin:	Exposure likely to cause irritation and burns. Prolonged and persistent contact could lead to systemic poisoning through absorption of fluoride ions.		
Inhalation:	Unlikely to present any significant hazard at ambient temperature. Excessive exposure to mists caused by atomising systems may cause irritation or burns to eyes and respiratory tract.		
Ingestion:	Ingestion of large quantities could cause nausea, breathing difficulties, acidosis, convulsions and collapse. Small quantities ingested will cause strong irritation of mouth, upper respiratory tract and digestive system.		

Acute Toxicity:	Phosphoric Acid	LD50 Oral (rat)	1530 mg/kg
		LD50 Dermal (rabbit)	2740 mg/kg
	Ammonium Bi-Fluoride	LD50 Oral (rat)	150 mg/kg

12. Ecological Information.

12.1 Toxicity

Eco-toxicity:	Phosphoric Acid	LC50 96hrs (fish)	138 mg/l
		EC50 48hrs (daphnia)	270 mg/l
	Ammonium Bi-Fluoride	LC50 96hrs (fish)	237 mg/l

12.2 Persistence and Degradability:

The surfactant(s) contained in this preparation complies (comply) with the Biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents, (or are undergoing testing to obtain a derogation within the terms of the directive). Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3 Bio-accumulative potential

Not expected to bio-accumulate

12.4 Mobility in soil

No information.

12.5 Results of PBT and vPvB assessment

No information

12.6 Other adverse effects

Not known.

13. Disposal Recommendations.

13.1 Waste treatment methods

Product should be disposed of via an authorised waste disposal contractor in accordance with all local and national regulations. May require notification on account of its strong acidity. Wash out containers with water, running the washings to sewage treatment plant system. Bulk material can be land dumped at an appropriate site only in accordance with local regulations. Discharge to drain only in compliance with the requirements of the appropriate local authority. Advice can be obtained from the Waste Regulation Authority whether special waste regulations apply to this product.

14. Transport Information.

14.1 UN number

3264

14.2 UN Proper shipping name

ADR Corrosive Liquid, Acidic, Inorganic NOS (contains Phosphoric Acid & Ammonium Bifluoride)

IMDG Corrosive Liquid, Acidic, Inorganic NOS (contains Phosphoric Acid & Ammonium Bifluoride)

14.3 Transport hazard classes

ADR Class	:	8
Hazard ID No.	:	80
Classification code	:	C1
Tunnel restriction code	:	E
Labels	:	Class 8



IMDG Class	:	8
EMS	:	F-A, S-B
Labels	:	Class 8



14.4 Packing group

ADR	:	III
IMDG	:	III

14.5 Environmental hazards

Labelling according to 5.2.1.8 ADR : No
Labelling according to 5.2.1.6.3 IMDG : No
Classified as 'P' Marine pollutant according to 2.10 IMDG : No

14.6 Special precautions for user

ADR Limited Quantity – 5 Litre (maximum quantity per inner packaging or article for carriage in accordance with ADR Chapter 3.4)

IMDG Limited Quantity – 5 Litre (maximum quantity per inner packaging or article for carriage in accordance with IMDG Chapter 3.4)

14.7 Transport in bulk according to Annex II of Marpol 73/78 and the IBC code

No information

15. Regulatory Information.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Safety data sheet according to Regulation (EC) No. 453/2010.

This mixture has been classified and labelled in accordance with 1999/45/EC. Classification in accordance with EC 1272/2008 is derived from Annex VII in accordance with Article 61 paragraph 5.

1907/2006/EC - Registration, Evaluation, Authorisation and Restriction of Chemicals and amendments.

98/24/EC - Protection of workers from the risk related to chemical agents at work. Refer to Directive for details of requirements.

1272/2008 - Classification, labelling and packaging of substances and mixtures and amendments.

Refer to the relevant EU/national regulation for details of any actions or restrictions required by the above Regulation(s)/Directive(s).

The regulatory information provided may not be comprehensive. Other regulations may apply to this product.

15.2 Chemical safety assessment

No information at the present time.

16. Other Information.

Classification according to Regulation (EC) No 1272/2008

Hazard Class	Hazard Category	Hazard Statements
Acute Toxicity (oral)	Category 4	H302
Skin Corrosion/Irritation	Category 1C	H314

Labelling according to Regulation (EC) No 1272/2008

Hazard Symbols:



Signal word: **Danger**

Hazard Statements: H302: Harmful if swallowed
H314: Causes severe skin burns and eye damage

Precautionary Statements:

General:

P101: If medical advice is needed, have product container or label at hand

P102: Keep out of reach of children (Recommended for consumer products only)

Prevention:

P264: Wash skin thoroughly after handling

P280: Wear protective gloves/protective clothing/eye protection/face protection

Response:

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308 + P313: IF exposed or concerned: Get medical advice/attention

Full text of R-phrases referred to under sections 2 & 3

R25: Toxic if swallowed

R34: Causes burns

R35: Causes severe burns

Full text of H-Statements referred to under sections 2 & 3

H301: Toxic if swallowed

H314: Causes severe skin burns and eye damage

Training Advice

Users should be trained in good industrial hygiene practise.

Department issuing data specification sheet: Health and Safety Department

Contact

Malcolm Gibson. Tel (0)1405 768815, E-Mail: malcolm@technikraft.co.uk

This data sheet does not constitute an assessment of the workplace risks as required under the provisions of the Health & Safety at Work act and the Control of Substances Hazardous to Health (COSHH).

Do not mix with other chemicals.

Further Information

The information supplied above is based upon the present state of our knowledge of the product at the time of publication. It is given in good faith and no warranty is implied with respect to the specification or quality of the product. The user must satisfy themselves that the product is entirely suitable for his purpose.