



SAFETY DATA SHEET
Ali Shine

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME Ali Shine
 PRODUCT NO. 143-13
 APPLICATION Wheel Cleaner
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2 HAZARDS IDENTIFICATION

Irritating to eyes and skin.

CLASSIFICATION (1999/45) Xi;R36/38.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification (67/548)
Amines, C12-18-alkyldimethyl, N-oxides	273-281-2	68955-55-5	1-5%	Xi;R38,R41. N;R50.
C9-11 ALCOHOL 6EO		68439-46-3	1-5%	Xn;R22. Xi;R41.
HYDROCHLORIC ACID ...%	231-595-7	7647-01-0	5-10%	C;R34 Xi;R37

The Full Text for all R-Phrases are Displayed in Section 16

4 FIRST-AID MEASURES

INHALATION

Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

INGESTION

Remove victim immediately from source of exposure. Rinse mouth thoroughly. Drink plenty of water. Get medical attention if any discomfort continues.

SKIN CONTACT

Remove affected person from source of contamination. Remove contaminated clothing. Rinse the skin immediately with lots of water. Use suitable lotion to moisturise skin. Get medical attention if irritation persists after washing.

EYE CONTACT

Promptly wash eyes with plenty of water while lifting the eye lids. Make sure to remove any contact lenses from the eyes before rinsing. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

UNUSUAL FIRE & EXPLOSION HAZARDS

No unusual fire or explosion hazards noted.

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SPECIFIC HAZARDS

Oxides of: Carbon. Nitrogen. Hydrogen chloride (HCl).

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

For personal protection, see section 8.

ENVIRONMENTAL PRECAUTIONS

Do not discharge onto the ground or into water courses. To prevent release, place container with damaged side up.

SPILL CLEAN UP METHODS

Wear necessary protective equipment. Ventilate well. Absorb in vermiculite, dry sand or earth and place into containers. Flush area clean with lots of water. Be aware of potential for surfaces to become slippery. Flush to sewer if local regulations permit. Wash thoroughly after dealing with a spillage.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid spilling, skin and eye contact.

STORAGE PRECAUTIONS

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

STORAGE CLASS

Chemical storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
HYDROCHLORIC ACID ...%	WEL	1 ppm	2 mg/m3	5 ppm	8 mg/m3	

WEL = Workplace Exposure Limit.

PROTECTIVE EQUIPMENT



PROCESS CONDITIONS

Provide eyewash station.

ENGINEERING MEASURES

No specific ventilation requirements noted, except this product must not be used in a confined space without good ventilation.

RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit. Use respiratory equipment with particle filter, type P2.

HAND PROTECTION

Use protective gloves made of: PVC or rubber gloves are recommended. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

EYE PROTECTION

Wear approved chemical safety goggles where eye exposure is reasonably probable.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact. Provide eyewash station.

HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Clear Liquid	MELTING POINT (°C)	~ 0
COLOUR	Red		
ODOUR	Acidic.		
SOLUBILITY	Soluble in water. Miscible with water		
BOILING POINT (°C)	~ 100		

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RELATIVE DENSITY ~ 1.050 (20°C)
 pH-VALUE, DILUTED SOLUTION 1.4 @ 1%

pH-VALUE, CONC. SOLUTION ~1
 VOLATILE ORGANIC COMPOUND (VOC) 16 g/litre

10 STABILITY AND REACTIVITY**STABILITY**

Stable under normal temperature conditions.

CONDITIONS TO AVOID

Avoid excessive heat for prolonged periods of time. Avoid contact with: Strong oxidising agents.

MATERIALS TO AVOID

Strong alkalis.

HAZARDOUS DECOMPOSITION PRODUCTS

When heated, vapours/gases hazardous to health may be formed.

11 TOXICOLOGICAL INFORMATION**GENERAL INFORMATION**

This product has low toxicity. Only large volumes may have adverse impact on human health.

INHALATION

Vapours may irritate throat and respiratory system and cause coughing.

INGESTION

Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.

SKIN CONTACT

Irritating to skin.

EYE CONTACT

Irritating to eyes.

HEALTH WARNINGS

Serious long-term effects are not known to be related to this type of product.

Prolonged or repeated exposure to vapour may cause: Coughing. Irritation of nose and throat. Sore throat.

OTHER HEALTH EFFECTS

This substance has no evidence of carcinogenic properties.

ROUTE OF ENTRY

Skin and/or eye contact. Ingestion.

MEDICAL SYMPTOMS

No specific symptoms noted. Irritation, burning, lachrymation, blurred vision after liquid splash. SKIN. Skin irritation.

MEDICAL CONSIDERATIONS

Splash in eye requires examination by eye specialist.

Name	C9-11 ALCOHOL 6EO
Toxic Dose 1 - LD 50	2000 mg/kg (oral rat)
Toxic Conc. - LC 50	5 mg/l/4h (inh-rat)
Name	Amines, C12-18-alkyldimethyl, N-oxides
Toxic Dose 1 - LD 50	>2000 mg/kg (oral rat)

12 ECOLOGICAL INFORMATION**ECOTOXICITY**

The product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms. The product may have adverse effects on organisms in soil and water.

MOBILITY

The product is soluble in water.

BIOACCUMULATION

The product does not contain any substances expected to be bioaccumulating.

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. 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. The product is biodegradable, but it must not be discharged into drains without permission from the authorities.

WATER HAZARD CLASSIFICATION

WGK 2

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Name HYDROCHLORIC ACID ...%

Ecotoxicity

The product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms.

LC 50, 96 Hrs, FISH mg/l 4-100

Mobility

The product is partly soluble in water. May spread in the aquatic environment.

Bioaccumulation potential

The product is not bioaccumulating.

Degradability

The product is biodegradable.

Name C9-11 ALCOHOL 6EO

LC 50, 96 Hrs, FISH mg/l 10

EC 50, 48 Hrs, DAPHNIA, mg/l 10

IC 50, 72 Hrs, ALGAE, mg/l 10

Bioaccumulation potential

The product does not contain any substances expected to be bioaccumulating.

Degradability

The product is biodegradable.

Name Amines, C12-18-alkyldimethyl, N-oxides

LC 50, 96 Hrs, FISH mg/l <1

Mobility

The product is soluble in water.

Bioaccumulation potential

The product does not contain any substances expected to be bioaccumulating.

Degradability

The product is biodegradable.

13 DISPOSAL CONSIDERATIONS

GENERAL INFORMATION

The packaging must be empty (drop-free, when inverted)

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements. Confirm disposal procedures with environmental engineer and local regulations. Small amounts may be flushed with water to sewer. Larger volumes must be sent to approved plant for destruction.

14 TRANSPORT INFORMATION

UK ROAD CLASS	8	UK ROAD PACK GR.	III
PROPER SHIPPING NAME	HYDROCHLORIC ACID	ADR CLASS	Class 8: Corrosive substances.
UN NO. ROAD	1789	ADR LABEL NO.	8
ADR CLASS NO.	8	CEFIC TEC(R) NO.	80GC1-II+III
ADR PACK GROUP	III	RID PACK GROUP	III
HAZCHEM CODE	2R	IMDG CLASS	8
RID CLASS NO.	8	IMDG PACK GR.	III
UN NO. SEA	1789	MFAG	See Guide
IMDG PAGE NO.	8	IMDG CODE SEGREGATION GROUP	1. Acids
EMS	F-A, S-B	AIR CLASS	8
MARINE POLLUTANT	No.		
UN NO. AIR	1789		
AIR PACK GR.	III		

15 REGULATORY INFORMATION

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LABELLING



Irritant

RISK PHRASES

R36/38 Irritating to eyes and skin.

SAFETY PHRASES

S23 Do not breathe vapour/spray.
 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.
 S51 Use only in well-ventilated areas.
 S35 This material and its container must be disposed of in a safe way.

DETERGENT LABELLING

< 5% Non-ionic surfactants
 Amphoteric surfactants

EU DIRECTIVES

Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

APPROVED CODE OF PRACTICE

Safety Data Sheets for Substances and Preparations.

GUIDANCE NOTES

Workplace Exposure Limits EH40.

NATIONAL REGULATIONS

Commission Decision 2000/532/EC as amended by Decision 2001/118/EC establishing a list of wastes and hazardous waste pursuant to Council Directive 75/442/EEC on waste and Directive 91/689/EEC on hazardous waste with amendments.

16 OTHER INFORMATION

GENERAL INFORMATION

This product has been manufactured under ISO 9001 and ISO 14001 Quality and Environmental Management Systems.
 Only trained personnel should use this material.

REVISION COMMENTS

NOTE: Lines within the margin indicate significant changes from the previous revision.

REVISION DATE 23/09/2010

REV. NO./REPL. SDS GENERATED 3

RISK PHRASES IN FULL

R34 Causes burns.
 R22 Harmful if swallowed.
 R37 Irritating to respiratory system.
 R38 Irritating to skin.
 R41 Risk of serious damage to eyes.
 R50 Very toxic to aquatic organisms.

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.