SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name Interior Cleaner

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

Identified uses Cleaning agent.

Uses advised against For professional use only. This product is not recommended for any industrial, professional or consumer use other than the Identified uses above.

1.3. Details of the supplier of the safety data sheet

Supplier

Tonyin Industrial Co.,Ltd
571, QICHANGCHENG ROAD, HUANGDAO DISTRICT,
QINGDAO CITY, PRC
Tel:+86-532-86945891
Fax:+86-532-86945891
www.glanzlab.com

1.4. Emergency telephone number

Emergency telephone +86-0532-86945891

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards
Not Classified

Health hazards
Elicitation (Skin Sens.)

Environmental hazards
Not Classified

Classification (67/548/EEC or 1999/45/EC)

2.2. Label elements

Hazard statements

EUH208 Contains 2,2',2"-(hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol. May produce an allergic reaction.

Precautionary statements

P280 Wear protective gloves.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Detergent labelling < 5% anionic surfactants, < 5% NTA (nitrilotriacetic acid) and salts thereof, < 5% perfumes, Contains TRIS(N-HYDROXYETHYL) HEXAHYDROTRIAZINE

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

DODECYL BENZENE SULPHONIC ACID	1-2%
CAS number: 85536-14-7 **EC number:** 287-494-3 **REACH registration number:** 01-2119490234-40-XXXX	
Classification Acute Tox. 4 - H302 Acute Tox. 4 - H312	**Classification (67/548/EEC or 1999/45/EC)** Xn;R22. C;R34.

2-BUTOXYETHANOL	0.2-0.5%
CAS number: 111-76-2 **EC number:** 203-905-0 **REACH registration number:** 01-2119475108-36-xxxx Substance with a Community workplace exposure limit.	
Classification Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319	**Classification (67/548/EEC or 1999/45/EC)** Xn;R20/21/22 Xi;R36/38

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation
Get medical attention if any discomfort continues.

Ingestion
Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention if any discomfort continues.

Skin contact
Remove contaminated clothing. Rinse with water. Use suitable lotion to moisturise skin. Get medical attention if any discomfort continues.

Eye contact
Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes. Remove any contact lenses and open eyelids wide apart. Get medical attention if any discomfort continues.

4.2. Most important symptoms and effects, both acute and delayed

General information
The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation
No specific symptoms known.

Ingestion
May cause discomfort if swallowed.

Skin contact
Prolonged skin contact may cause redness and irritation.

Eye contact
Prolonged contact may cause redness and/or tearing.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor

No specific recommendations. If in doubt, get medical attention promptly.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media
The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards
Oxides of the following substances: Carbon. Nitrogen. No unusual fire or explosion hazards noted.

Hazardous combustion products
Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

5.3. Advice for firefighters

Protective actions during firefighting
No specific firefighting precautions known.

Special protective equipment for firefighters
Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions
For personal protection, see Section 8.

6.2. Environmental precautions

Environmental precautions
Do not discharge into drains or watercourses or onto the ground. To prevent release, place container with damaged side up. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body. Contain spillage with sand, earth or other suitable non-combustible material.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up
Stop leak if possible without risk. Large Spillages: Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Take care as floors and other surfaces may become slippery. Avoid the spillage or runoff entering drains, sewers or watercourses. Flush away spillage with plenty of water. Wash thoroughly after dealing with a spillage. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible.

6.4. Reference to other sections

Reference to other sections
For personal protection, see Section 8. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions
Read and follow manufacturer's recommendations. Avoid spilling. Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions
Store in tightly-closed, original container in a dry, cool and well-ventilated place. Store in closed original container at temperatures between 5°C and 30°C. Keep above the chemical's freezing point to avoid rupturing the container.

Storage class
Chemical storage.

7.3. Specific end use(s)

Specific end use(s)
The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

2-BUTOXYETHANOL

Long-term exposure limit (8-hour TWA): WEL 25 ppm 123 mg/m3
Short-term exposure limit (15-minute): WEL 50 ppm 246 mg/m3
Sk

WEL = Workplace Exposure Limit
Sk = Can be absorbed through the skin.

2-BUTOXYETHANOL (CAS: 111-76-2)

Ingredient comments
Due to the hazardous nature of ingredients, exposure should be minimal.

DNEL	Industry - Dermal; Short term : 89 mg/kg/day Industry - Inhalation; Short term : 246 mg/m3 Industry - Dermal; Long term : 75 mg/kg/day Industry - Inhalation; Long term : 98 mg/m3 Consumer - Dermal; Short term : 44.5 mg/kg/day Consumer - Inhalation; Short term : 123 mg/m3 Consumer - Oral; Short term : 13.4 mg/kg/day Consumer - Dermal; Long term : 38 mg/kg/day Consumer - Inhalation; Long term : 49 mg/m3
PNEC	- Fresh water; 8.8 mg/l - Marine water; 0.88 mg/l - Sediment (Freshwater); 8.14 mg/kg - Soil; 2.8 mg/kg - STP; 463 mg/l

8.2. Exposure controls

Protective equipment

Appropriate engineering controls

No specific ventilation requirements.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. To protect hands from chemicals, gloves should comply with European Standard EN374. It is recommended that gloves are made of the following material: Rubber (natural, latex). Neoprene. Polyvinyl chloride (PVC). Polyvinyl chloride (PVC). It should be noted that liquid may penetrate the gloves. Frequent changes are recommended. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. The breakthrough time for any glove material may be different for different glove manufacturers. Use thin cotton gloves inside the rubber gloves if allergy risk.

Other skin and body protection

Wear appropriate clothing to prevent repeated or prolonged skin contact. Provide eyewash station.

Hygiene measures

Provide eyewash station. Do not smoke in work area. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

Respiratory protection

No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance

Liquid.

Colour

Orange.

Odour

Pleasant, agreeable.

Odour threshold

Not available. Not available.

pH

pH (concentrated solution): ~ 8.4 pH (diluted solution): ~ 6.7 @1%

Melting point

~ 0°C

Initial boiling point and range

~ 100°C @

Flash point
Not applicable.

Evaporation rate
Not available.

Upper/lower flammability or explosive limits
Not applicable. : :

Vapour pressure
Not applicable.

Vapour density
Not applicable.

Relative density
~ 1.006 @ (20°C)°C

Solubility(ies)
Soluble in water. Miscible with water.

Partition coefficient
Not available.

Auto-ignition temperature
Not applicable.

Decomposition Temperature
Not available.

Viscosity
~ 1 cSt @ 20°C

Oxidising properties
Does not meet the criteria for classification as oxidising.

Comments
Information declared as "Not available" or "Not applicable" is not considered to be relevant to the implementation of the proper control measures.

9.2. Other information

Volatile organic compound
This product contains a maximum VOC content of 2 g/litre.

SECTION 10: Stability and reactivity

10.1. Reactivity

There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability
No particular stability concerns. Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Not relevant. Will not polymerise.

10.4. Conditions to avoid

Avoid excessive heat for prolonged periods of time. Avoid freezing.

10.5. Incompatible materials

Materials to avoid
No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6. Hazardous decomposition products

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO2).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Other health effects
There is no evidence that the product can cause cancer. IARC Not Listed. IARC Int. Agency for Cancer Research. NTP Not Listed. OSHA Not Regulated.

Acute toxicity - oral

ATE oral (mg/kg)
147,000.0

Acute toxicity - dermal

ATE dermal (mg/kg)
200000.0

Skin corrosion/irritation

Human skin model test
Scientifically unjustified.

Extreme pH
Moderate pH (> 2 and < 11.5). Classification based on Conventional Method, and In Vitro Approaches - Corrosive or Irritant by measuring pH and Acid/Alkali Reserve. Not irritating.

General information
This product has low toxicity. Only large quantities are likely to have adverse effects on human health.

Inhalation
No specific health hazards known.

Ingestion
May cause discomfort if swallowed.

Skin contact
May cause defatting of the skin but is not an irritant.

Eye contact
Vapour or spray in the eyes may cause irritation and smarting.

Acute and chronic health hazards
Because of the product's quantity and composition, the health hazard is regarded as low. No specific long-term effects known. No specific acute or chronic health impact noted, but this chemical may still have adverse impact on human health, either in general or on certain individuals with pre-existing or latent health problems.

Route of entry
Ingestion.

Target organs
No specific target organs known.

Medical symptoms
No specific symptoms noted, but this chemical may still have adverse health impact, either in general or on certain individuals.

Toxicological information on ingredients.

DODECYL BENZENE SULPHONIC ACID

Acute toxicity - oral

Acute toxicity oral (LD mg/kg)
1,470.0

Species
Rat

ATE oral (mg/kg)
1,470.0

Acute toxicity - dermal

Acute toxicity dermal (LD mg/kg)
2000.0

Species
Rat

ATE dermal (mg/kg)
2000.0

2-BUTOXYETHANOL

Other health effects
ACGIH Carcinogen List. Possible cancer hazard (contains material which) may cause cancer based on animal data. Carcinogen Category 3.

Acute toxicity - oral

Acute toxicity oral (LD mg/kg)
1,300.0

Species
Rat

ATE oral (mg/kg)
1,300.0

Acute toxicity - dermal

Acute toxicity dermal (LD mg/kg)
2270.0

Species
Rat

ATE dermal (mg/kg)
1100

Acute toxicity - inhalation

ATE inhalation (vapours mg/l)
11.0

Skin sensitisation
Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising.

Germ cell mutagenicity

Genotoxicity - in vitro
Gene mutation:: Negative. This substance has no evidence of mutagenic properties.

Reproductive toxicity

Reproductive toxicity - fertility
Fertility: - NOAEL 720 mg/kg, , Mouse

Reproductive toxicity - development
Developmental toxicity: - NOAEL: 100 mg/kg, , Rat

SECTION 12: Ecological Information

Ecotoxicity
Not regarded as dangerous for the environment. The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment. The product is not expected to be hazardous to wastewater treatment processes. The product does not contain organically bound halogen. The product does not contain organic complexing agents with a DOC level of degradation of < 80% after 28 days.

Ecological information on ingredients.

2-BUTOXYETHANOL

Ecotoxicity
Not regarded as dangerous for the environment.

12.1. Toxicity

Acute toxicity - fish
Not determined.

Acute toxicity - aquatic invertebrates
Not determined.

Acute toxicity - aquatic plants
Not determined.

Acute toxicity - microorganisms
Not determined.

Acute toxicity - terrestrial
Not determined.

Ecological information on ingredients.

DODECYL BENZENE SULPHONIC ACID

Acute toxicity - fish
LC , 96 hours: 10 mg/l, Fish

Acute toxicity - aquatic invertebrates
EC , 48 hours: 10 mg/l, Daphnia magna

Acute toxicity - aquatic plants
IC , 72 hours: 100 mg/l, Algae

2-BUTOXYETHANOL

Acute toxicity - fish
LC50, 96 hours: > 100 mg/l, Lepomis macrochirus (Bluegill)

Acute toxicity - aquatic invertebrates
EC , 48 hours: 1550 mg/l, Daphnia magna

Acute toxicity - aquatic plants
EC , >: > 100 mg/l,

Acute toxicity - microorganisms
EC , >: > 1000 mg/l,

Chronic toxicity - fish early life stage
NOEC, 21 days: > 100 mg/l,

Chronic toxicity - aquatic invertebrates
NOEC, 21 days: 100 mg/l, Daphnia magna

12.2. Persistence and degradability

Persistence and degradability
The surfactant(s) contained in this product 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.

Ecological information on ingredients.

DODECYL BENZENE SULPHONIC ACID

Persistence and degradability
The product is biodegradable.

2-BUTOXYETHANOL

Persistence and degradability
The product is biodegradable.

Biodegradation
water - Degradation (%) 90.4: 28 days

12.3. Bioaccumulative potential

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

Partition coefficient
Not available.

Ecological information on ingredients.

DODECYL BENZENE SULPHONIC ACID

The product is not bioaccumulating.

2-BUTOXYETHANOL

The product is not bioaccumulating.

Partition coefficient
: 0.81

12.4. Mobility in soil

Mobility
The product is soluble in water.

Ecological information on ingredients.

2-BUTOXYETHANOL

Mobility
The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

Adsorption/desorption coefficient
Soil - Koc: ~ 67 @ °C

Henry's law constant
0.000016 atm m3/mol @ °C

Surface tension
65 mN/m @ °C

12.5. Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

Ecological information on ingredients.

2-BUTOXYETHANOL

This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

Not applicable.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information
The packaging must be empty (drop-free when inverted).

Disposal methods
Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
Packaging: Reuse or recycle products wherever possible.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

UN No. (IMDG)

UN No. (ICAO)

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

ADR/RID class

ADR/RID subsidiary risk

ADR/RID label

IMDG class

IMDG subsidiary risk

ICAO class/division

ICAO subsidiary risk

Transport labels

14.4. Packing group

Not applicable.

ADR/RID packing group

IMDG packing group

ICAO packing group

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

EmS

Emergency Action Code

Hazard Identification Number (ADR/RID)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: Regulatory information

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

EU legislation

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) (as amended). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

Guidance

Workplace Exposure Limits EH40. Safety Data Sheets for Substances and Preparations.

Water hazard classification

WGK 1

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 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.

SDS status Approved.

Risk phrases in full

NC Not classified.
R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
R22 Harmful if swallowed.
R34 Causes burns.
R36/38 Irritating to eyes and skin.

Hazard statements in full

H290 May be corrosive to metals.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
EUH208 Contains 2,2',2"-(hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol. May produce an allergic reaction.