

SAFETY DATA SHEET

1. Identification

GHS product identifier	CO-1055 (NON-HAZ)
MSDS Number	ALCH491
Version #	04
Issue date	05-11-2011
CAS #	68603-15-6
Product use	Production of alkyl amines, aluminum rolling lubricants, tertiary amines, cosmetics, ethoxylates, halides/mercaptans, polymerization stabilizers, and sulfation.
Recommended Restrictions	Not available.
Synonym(s)	Caprylic and Decyl alcohol mixture
Manufacturer	P&G Chemicals Asia 238-A Thompson Road #21-01/10 Novena Square Tower A Singapore 307684 (65) 6824 5728 (day phone) PGChemMSDS.IM@pg.com CHEMTREC: +1-703-527-3887 Quality or Service Issues: 1-800-477-8899 or +1-513-626-6882

2. Hazards identification

GHS classification

Physical hazards

Explosives	Classification not possible
Flammable gases	Not applicable
Flammable aerosols	Not applicable
Oxidizing gases	Not applicable
Gases under pressure	Not applicable
Flammable solids	Not applicable
Self-reactive substances and mixtures	Classification not possible
Pyrophoric liquids	Classification not possible
Pyrophoric solids	Not applicable
Self-heating substances and mixtures	Classification not possible
Substances and mixtures which, in contact with water, emit flammable gases	Classification not possible
Oxidizing liquids	Classification not possible
Oxidizing solids	Not applicable
Organic peroxides	Classification not possible
Corrosive to metals	Classification not possible

Health hazards

Acute toxicity, oral	Classification not possible
Acute toxicity, inhalation	Not applicable
Skin corrosion/irritation	Classification not possible
Serious eye damage/eye irritation	Classification not possible
Sensitization, respiratory	Classification not possible
Sensitization, skin	Classification not possible
Germ cell mutagenicity	Classification not possible
Carcinogenicity	Classification not possible
Reproductive toxicity	Classification not possible
Specific target organ toxicity, single exposure	Classification not possible

	Specific target organ toxicity, repeated exposure	Classification not possible
	Aspiration hazard	Classification not possible
Environmental hazards	Hazardous to the ozone layer	Not classified

Precautionary statement

Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from flames and hot surfaces-No smoking. Wear protective gloves/protective clothing/eye protection/face protection. Wash hands thoroughly after handling.

Response

IF exposed or concerned: Get medical advice/attention. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. Take off immediately all contaminated clothing. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Call a POISON CENTER or doctor/physician if you feel unwell. Wash contaminated clothing before reuse.

Storage

Store in a well-ventilated place.

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

3. Composition/information on ingredients

Components	CAS #	Percent
ALCOHOLS, C6-12	68603-15-6	100

4. First aid measures

First aid procedures

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Skin

Not available.

Eye

Rinse cautiously with water for several minutes. Get medical attention if irritation develops and persists.

Ingestion

Not available.

Notes to physician

In case of shortness of breath, give oxygen.

General advice

Take off all contaminated clothing immediately. IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before re-use.

5. Fire-fighting measures

Suitable extinguishing media

Water. Foam. Dry powder. Carbon dioxide (CO2).

Unsuitable extinguishing media

Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical

None known.

Special protective equipment for fire-fighters

Structural firefighters protective clothing will only provide limited protection.

Protective equipment and precautions for firefighters

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Move containers from fire area if you can do so without risk. In the event of fire, cool tanks with water spray. Use water spray to cool unopened containers. Cool containers exposed to flames with water until well after the fire is out. Water runoff can cause environmental damage.

6. Accidental release measures

Personal precautions

Immediately evacuate personnel to safe areas. Keep unnecessary personnel away. Local authorities should be advised if significant spillages cannot be contained. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not contaminate water.

Methods for containment

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Collect spillage.

Methods for cleaning up

Large Spills: Prevent product from entering drains. Do not allow material to contaminate ground water system. Dike far ahead of spill for later disposal. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Following product recovery, flush area with water.

Never return spills in original containers for re-use.

7. Handling and storage

Handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from open flames, hot surfaces and sources of ignition. When using do not smoke. Do not taste or swallow. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin. Avoid contact with eyes. Avoid contact with clothing. Use personal protective equipment as required. Use only outdoors or in a well-ventilated area. Wash hands thoroughly after handling. Do not empty into drains.

Storage

Store locked up. Keep away from heat, sparks and open flame. Store in cool place. Store in a well-ventilated place. Keep container tightly closed. Keep in an area equipped with sprinklers. Keep out of the reach of children.

8. Exposure controls / personal protection

Recommended monitoring procedures

Not available.

Personal protective equipment

General

Wear chemical protective equipment that is specifically recommended by the manufacturer. Eye wash fountain is recommended.

Eye/face protection

Wear eye/face protection. Wear chemical protective equipment that is specifically recommended by the manufacturer.

Skin protection

Wear appropriate chemical resistant clothing. Chemical resistant gloves.

Respiratory protection

No personal respiratory protective equipment normally required.

Hand protection

Wear protective gloves.

9. Physical and chemical properties

Appearance

Liquid.

Physical state

Liquid.

Color

Clear.

Odor

Fishy, Alcoholic.

Odor threshold

Not available.

pH

Not available.

Boiling point

>= 400 °F (>= 204.4 °C) at 760 mm Hg (101.3kPa)

Flash point

180 - 206 °F (82.2 - 96.7 °C) Pensky-Martens Closed Cup

Evaporation rate

Not available.

Flammability (Train fire)

Not available.

Flammability limits in air, lower, % by volume

Not available.

Flammability limits in air, upper, % by volume

Not available.

Vapor pressure

0.058 mm Hg estimated at 75 F (23.9 C)

Relative density

0.83 at 25/25°C

Solubility (H2O)

<= 0.05 % at 77 °F (25 °C)

Auto-ignition temperature

500 °F (260 °C) Approximately

Decomposition temperature

Not available.

Viscosity

Not available.

10. Stability and reactivity

Chemical stability

Material is stable under normal conditions.

Possibility of hazardous reactions

Hazardous polymerization does not occur.

Conditions to avoid

Heat, flames and sparks.

Materials to avoid	Strong oxidizing agents.
Hazardous decomposition products	Carbon monoxide. Toxic gas. Complete combustion forms carbon dioxide and water vapor. Partial combustion forms also carbon monoxide, soot, aldehydes and ketones.

11. Toxicological information

Toxicological data

Product	Test Results
ALCOHOLS, C6-12 (68603-15-6)	Acute Dermal LD50 Rabbit: 3560 mg/kg Acute Inhalation LC50 Mouse: 4 mg/l 2.00 Hours
Routes of exposure	Inhalation. Ingestion. Skin contact. Eye contact.
Acute effects	May be fatal if swallowed and enters airways. Toxic in contact with skin.
Local effects	Mild skin irritation
Mutagenicity	Suspected of causing genetic defects.
Skin corrosion/irritation	Causes irritation.
Serious eye damage/eye irritation	Causes serious eye irritation.
Other information	Not available.

12. Ecological information

Ecotoxicological data

Product	Test Results
ALCOHOLS, C6-12 (68603-15-6)	LC50 Bleak (<i>Alburnus alburnus</i>): 6 - 8.6 mg/l 96.00 Hours LC50 Carp (<i>Leuciscus idus melanotus</i>): 0.6 mg/l 48.00 Hours LC50 Harpacticoid copepod (<i>Nitocra spinipes</i>): 3.1 - 5.2 mg/l 96.00 Hours LC50 Water flea (<i>Daphnia magna</i>): 16 mg/l 24.00 Hours
Ecotoxicity	Components of this product are hazardous to aquatic life.
Environmental effects	Harmful to aquatic organisms.
Persistence / degradability	Not established.
Bioaccumulation	Not established.
Aquatic toxicity	Toxic to aquatic organisms.
Mobility	Not established.
Other adverse effects	Not established.

13. Disposal considerations

Disposal methods	Do not allow this material to drain into sewers/water supplies. Dispose of contents/container in accordance with local/regional/national/international regulations.
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14. Transport information

ADR

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

RID

Not regulated as dangerous goods.

15. Regulatory information

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes

Country(s) or region	Inventory name	On inventory (yes/no)*
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Switzerland	Switzerland FOPH	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other information

Disclaimer

The submission of the MSDS may be required by law, but this is not an assertion that the substance is hazardous when used in accordance with proper safety practices and normal handling procedures. Data supplied are for use only in connection with occupational safety and health.

The information contained herein has been compiled from sources considered by Procter & Gamble to be dependable and is accurate to the best of the Company's knowledge. The information relates to the specific product designated herein, and does not relate to use in combination with any other material of any other process. Procter & Gamble assumes no responsibility for injury to the recipient or third persons, or for any damage to any property resulting from misuse of the controlled product.

Revision date

05-11-2011

SDS sections updated

Product and Company Identification: Product and Company Identification
 Hazards identification: Specific hazards
 Hazards identification: Prevention
 Hazards identification: Storage
 First aid measures: Eye
 First aid measures: Skin
 First aid measures: Inhalation
 First aid measures: Ingestion
 First aid measures: Notes to physician
 Handling and storage: Handling