

**SECTION 1: Identification of the substance or mixture and of the supplier****1.1 Product identifier**

Product form : Mixtures  
Product name : Throttle Body Cleaner  
Type of product : Aerosol

**1.2 Relevant identified uses of the substance or mixture and uses advised against****1.2.1 Relevant identified uses**

Use of the substance/mixture : Dissolves deposits, Removes sludge, grease & vanish

**1.2.2 Uses advised against**

No additional information available

**1.3 Details of the supplier of the safety data sheet**

A.C.S.T.Co., Ltd  
25212/54 Ladprao St, Klong jaokhunsingha, Wangthonglang  
Bangkok 10150 Thailand  
Tel : (662) 539-1465

**1.4 Emergency telephone number**

Emergency number : (662) 539-1465

**SECTION 2 : Hazards identification****2.1 Classification of the substance or mixture**

Classification according to criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)

Aerosol : Category 1 : H222, H229  
Skin irritation : Category 2 : H315  
Serious eye irritation : Category 2 : H319  
Specific target organ toxicity  
(single exposure) : Category 3 : H336  
Acute aquatic hazard : Category 3 : H402  
Chronic aquatic hazard : Category 2 : H411

**2.2 Label elements**

Hazard pictograms :



Signal word : Danger

Hazard statements : H222 Extremely flammable aerosol  
H229 Pressurized container: may burst if heated  
H315 Causes skin irritation  
H319 Causes serious eye irritation

Precautionary statements

H336 May cause drowsiness or dizziness  
H402 Harmful to aquatic life  
H411 Toxic to aquatic life with long lasting effects

: P202 Do not handle until all safety precautions have been read and understood.  
P210 Keep away from heat, sparks, open flames and other ignition sources. No smoking.  
P211 Do not spray on an open flame or other ignition source.  
P251 Do not pierce or burn, even after use.  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P271 Use only outdoors or in a well-ventilated area.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.  
P302 + P312 IF ON SKIN: Call a POISON CENTER or doctor if you feel unwell.  
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
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.  
P314 Get medical advice/attention if you feel unwell.  
P337 + P313 If eye irritation persists: Get medical advice/attention.  
P405 Store locked up.  
P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.  
P501 Dispose of contents/container in accordance with local/regional/ national/international regulations.

**2.3 Other hazards**

No additional information available

**SECTION 3 : Composition/information on ingredients**

**3.1 Substances**

Not applicable

**3.2 Mixtures**

Chemical Identity	Identification Number	Concentration (%)	GHS Ingredient Classification
2,3-Dimethylbutane	(CAS No.) 79-29-8	< 2	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Chronic 2, H411
2-Methylpentane	(CAS No.) Trade secret	< 30	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Chronic 2, H411
3-Methylpentane	(CAS No.) Trade secret	< 20	Flam. Liq. 2, H225

			Skin Irrit. 2, H315 STOT SE 3, H336 Aquatic Chronic 2, H411
Isopropanol	(CAS No.) 67-63-0	< 25	Flam. Liq. 2, H225 Serious Eye Irrit. 2A, H319 STOT SE 3, H336
Liquefied Petroleum Gas	(CAS No.) 68476-85-7	< 50	Liquefied gas, H280 Flam. gases 1, H220 Aquatic Acute 3, H402 Aquatic Chronic 3, H412

Full text of H-statements : see section 16

**SECTION 4 : First aid measures**

**4.1 Description of first aid measures**

- General : If you feel unwell, seek medical advice (show the label where possible).
- Inhalation : Remove person to fresh air and keep comfortable for breathing.
- Skin contact : When symptoms occur: rinse immediately with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
- Eye contact : Remove contact lenses, if present and easy to do. Continue rinsing with water for at least 15 minutes. If eye irritation persists: Get medical advice/attention.
- Ingestion : Rinse mouth. Go into open air and ventilate suspected area. Do NOT induce vomiting. Get medical advice/attention if you feel unwell.

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

Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness.

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

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label in hand.

**SECTION 5 : Firefighting measures**

**5.1 Extinguishing media**

Suitable extinguishing media : Dry chemical powder. Foam. Carbon dioxide.

**5.2 Special hazards arising from the substance or mixture**

Heating may cause a fire or explosion. May produce toxic fumes of carbon monoxide if burning

**5.3 Advice for firefighters**

- Precautionary measures fire : Evacuate area. Fight fire remotely due to the risk of explosion.
- Firefighting instructions : Exercise caution when fighting any chemical fire.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

**SECTION 6 : Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

General measures : No open flames. no smoking.

6.1.1 For non-emergency personnel

In case of accidental spills and release : Wearing of suitable protective equipment (See section 8 of the SDS) to prevent any contamination of skin, eyes and personal clothing. Removal of ignition sources and provision of sufficient ventilation.

Emergency procedure : Only qualified personnel equipped with suitable protective equipment may intervene.

6.1.2 For emergency responders

Protective equipment : Use personal protective equipment as required.

**6.2 Environmental precautions**

Prevent entry to sewers and public waters. Avoid release to the environment. Notify authorities if product enters sewers or public waters.

**6.3 Methods and material for containment and cleaning up**

For containment : Collect spillage.

Methods for cleaning up : Take up liquid spill into absorbent material.

**SECTION 7 : Handling and storage**

**7.1 Precautions for safe handling**

Additional hazards when processed : Pressurized container: Do not pierce or burn, even after use.

Precautions for safe handling : Do not handle until all safety precautions have been read and understood. Provide good ventilation in process area to prevent formation of vapour. Do not breathe vapours.  
Keep away from sources of ignition - No smoking. Pressurized container: Do not pierce or burn, even after use. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Avoid contact with skin, eyes and clothing.

Hygiene measures : Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse.  
Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

**7.2 Conditions for safe storage, including any incompatibilities**

Storage area : Store in cool, dry, well ventilated area, removed from oxidising agents, acid, alkalis.  
Store away from heat, direct sunlight, heat sources and sources of ignition.

Special rules on packaging : Keep only in original container.

**SECTION 8 : Exposure controls/personal protection**

**8.1 Control parameters**

Name	Parameters
2,3-Dimethylbutane (CAS No.) 79-29-8	TWA (ACGIH) : 500 ppm
2-Methylpentane	TWA (ACGIH) : 500 ppm

(CAS No.) Trade secret	
3-Methylpentane (CAS No.) Trade secret	TWA (ACGIH) : 500 ppm
Isopropanol (CAS No.) 67-63-0	TWA (ACGIH) : 200 ppm STEL (ACGIH) : 400 ppm TLV (ACGIH) : 200 ppm PEL (OSHA) : 400 ppm MAK : 200 ppm IDLH (NIOSH) : 2000 ppm
Liquefied Petroleum Gas (CAS No.) 68476-85-7	TWA : 1000 ppm TWA : 1800 mg/m <sup>3</sup> IDLH : 2000 ppm

**8.2 Appropriate engineering controls**

Ensure good ventilation of the work station.

**8.3 Individual protection measures**

Personal protective - equipment (PPE) : Wear safety glasses, splash-proof goggles and rubber or PVC gloves.  
Where an inhalation risk exists, wear a Respirator.

**SECTION 9 : Physical and chemical properties**

Physical state : Liquid  
 Appearance : Clear, colourless liquid. (Aerosol Dispensed)  
 Odor : Characteristic Odor  
 pH : Not applicable  
 Vapour pressure : No data available  
 Vapour density : No data available  
 Boiling Point : Not applicable  
 Melting Point : Not applicable  
 Evaporation Rate : No data available  
 Heat of Combustion : 49.5 kJ/g (LPG)  
 Solubility ( water ) : Insoluble  
 Specific Gravity (solution) : 0.60 - 0.80 g/ml @ 25°C  
 % Volatiles : Not Available  
 Flammability : Highly Flammable  
 Flash Point : < 20°C ( Propellant )

**SECTION 10 : Stability and reactivity**

**10.1 Reactivity**

Pressurised container: May burst if heated.

**10.2 Chemical stability**

Heating may cause an explosion. Stable under normal conditions.

**10.3 Possibility of hazardous reactions**

Heating may cause an explosion.

**10.4 Conditions to avoid**

Heat. Sparks. Open flame. Direct sunlight. Extremely high or low temperatures.

**10.5 Incompatible materials**

Strong acids. Oxidizing agent.

**10.6 Hazardous decomposition products**

Carbon dioxide. fume. Carbon monoxide.

**SECTION 11 : Toxicological information**

**11.1 Information on toxicological effects - Product**

Acute toxicity : Negative  
 Skin corrosion/irritation : Causes skin irritation  
 Serious eye damage/irritation : Causes serious eye irritation  
 Respiratory or skin sensitisation : Negative  
 Germ cell mutagenicity : Negative  
 Carcinogenicity : Negative  
 Reproductive toxicity : Negative  
 STOT-single exposure : May cause drowsiness or dizziness  
 STOT-repeated exposure : Negative  
 Aspiration hazard : Negative

**11.2 Information on toxicological effects - Ingredients**

Isopropanol (67-63-0)	
LD50 Oral rat	4710 mg/kg
LD50 Dermal rabbit	12800 mg/kg
LC50 Inhalation rat	72.6 mg/L/4h
Causes serious eye irritation	
May cause drowsiness or dizziness	

Liquefied Petroleum Gas (68476-85-7)	
LC50 Inhalation rat	20 mg/L/4h

**SECTION 12 : Ecological information**

**12.1 Toxicity**

Ecology - general : Harmful to aquatic life. Toxic to aquatic life with long lasting effects

Isopropanol (67-63-0)	
LC50 fish	4200 mg/L/96hr

Liquefied Petroleum Gas (68476-85-7)	
LC50 fish	49.9 mg/L/96h

**12.2 Persistence and degradability**

Data are not available

**12.3 Bioaccumulative potential**

Data are not available

**12.4 Mobility in soil**

Data are not available

**12.5 Other adverse effects**

Avoid release to the environment.

**SECTION 13 : Disposal considerations**

Waste Disposal

For small amounts absorb contents with sand or similar and dispose of to an approved landfill site.  
Do not pierce or burn aerosol cans. Dispose of contents/container in accordance with local, regional, national and international regulations.

**SECTION 14 : Transport information****14.1 UN number**

1950

**14.2 UN proper shipping name**

AEROSOLS

**Transport document description**

UN 1950 AEROSOLS, 2.1

**14.3 Transport hazard class(es)**

2.1

**Hazard label****14.4 Packing group**

Not applicable

**14.5 Environmental hazards**

Dangerous for the environment : Yes

Marine pollutant : Yes

**14.6 Special precautions for user**

Not available

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable

**SECTION 15 : Regulatory information**

This product is follow by the competent regulation in an applicable of manufacturer country.

**SECTION 16 : Other information**

Full text of H- statements:

Flam. Liq. 2	Flammable liquids, Category 2
Skin Irrit. 2	Skin irritation, Category 2
STOT SE 3	Specific target organ toxicity (single exposure), Category 3
Aquatic Acute 3	Hazardous to the aquatic environment - Acute Hazard, Category 3
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment - Chronic Hazard, Category 3
H222	Extremely flammable aerosol
H225	Highly flammable liquid and vapour
H229	Pressurized container: may burst if heated
H280	Contains gas under pressure; may explode if heated
H315	Causes skin irritation
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness
H402	Harmful to aquatic life
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

SDS GHS (Annex 4)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.