



SAFETY DATA SHEET

CATALYST M

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

PRODUCT NAME CATALYST M

PRODUCT NO. GC1000

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2 HAZARDS IDENTIFICATION

May cause fire. Harmful if swallowed. Causes burns.

CLASSIFICATION Xn;R22. C;R34. O;R7.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
BUTANONE	201-159-0	78-93-3	<1.5%	F;R11 Xi;R36 R66 R67
METHYL ETHYL KETONE PEROXIDE	215-661-2	1338-23-4	30-35%	Xn;R22. C;R34. O;R7. E;R2.

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. If respiratory problems, artificial respiration/oxygen. Get medical attention if any discomfort continues.

INGESTION

DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly. Promptly get affected person to drink large volumes of water to dilute the swallowed chemical. Get medical attention immediately! Provide rest, warmth and fresh air.

SKIN CONTACT

Important to remove the substance from the skin immediately. Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing. Chemical burns must be treated by a physician.

EYE CONTACT

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

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Water spray, foam, dry powder or carbon dioxide.

SPECIAL FIRE FIGHTING PROCEDURES

Avoid breathing fire vapours. Be aware of risk of fire re-starting, and risk of explosion. Water spray should be used to cool containers.

UNUSUAL FIRE & EXPLOSION HAZARDS

OXIDISING! May ignite other combustible materials.

SPECIFIC HAZARDS

By heating and fire, corrosive vapours/gases may be formed.

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Avoid contact with skin and eyes. For personal protection, see section 8.

CATALYST M**ENVIRONMENTAL PRECAUTIONS**

Do not discharge into drains, water courses or onto the ground.

SPILL CLEAN UP METHODS

DO NOT TOUCH SPILLED MATERIAL! Wear necessary protective equipment. Do not use sawdust or other combustible material. Absorb spillage with non-combustible, absorbent material. Keep combustibles away from spilled material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations. For waste disposal, see section 13.

7 HANDLING AND STORAGE**USAGE PRECAUTIONS**

Avoid spilling, skin and eye contact. Provide good ventilation. Static electricity and formation of sparks must be prevented. Protect against direct sunlight. Do not eat, drink or smoke when using the product. Read and follow manufacturer's recommendations.

STORAGE PRECAUTIONS

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container. Oxidising material - Keep away from flammable and combustible materials. Do not store near heat sources or expose to high temperatures. Store isolated from reducing agents. Store away from Acids. Alkalies. Keep upright. Store below 25°C.

STORAGE CLASS

Oxidiser storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION**INGREDIENT COMMENTS**

WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT**ENGINEERING MEASURES**

Provide adequate general and local exhaust ventilation.

RESPIRATORY EQUIPMENT

If ventilation is insufficient, suitable respiratory protection must be provided.

HAND PROTECTION

Use protective gloves.

EYE PROTECTION

Use approved safety goggles or face shield.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact.

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	Liquid
COLOUR	Colourless
ODOUR	Slight odour
DECOMPOSITION TEMPERATURE (°C)	60

10 STABILITY AND REACTIVITY**STABILITY**

Unstable. Will decompose at temperatures exceeding 60°C.

CONDITIONS TO AVOID

Will react violently with: Reacts strongly with strong acids, bases, organic chemicals and certain metal combinations.

MATERIALS TO AVOID

Flammable/combustible material. Other metals or alloys. Strong acids. Strong alkalis. Strong reducing agents.

HAZARDOUS DECOMPOSITION PRODUCTS

Corrosive gases/vapours/fumes of: Acetic acid. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

11 TOXICOLOGICAL INFORMATION

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HEALTH WARNINGS

RESPIRATORY SYSTEM. Serious damage to the lining of nose, throat and lungs. Swallowing concentrated chemical may cause severe internal injury.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements. Contact supplier for disposal information.

14 TRANSPORT INFORMATION



UK ROAD CLASS	5.2
PROPER SHIPPING NAME	ORGANIC PEROXIDE TYPE D, LIQUID
UN NO. ROAD	3105
UK ROAD PACK GR.	II
ADR CLASS NO.	5.2
ADR CLASS	Class 5.2: Organic peroxides.
ADR PACK GROUP	II
ADR LABEL NO.	5.2
CEFIC TEC(R) NO.	52GP1-L
RID CLASS NO.	5.2
RID PACK GROUP	II
UN NO. SEA	3105
IMDG CLASS	5.2
IMDG PACK GR.	II
EMS	F-J, S-R
MFAG	See Guide
MARINE POLLUTANT	No.
UN NO. AIR	3105
AIR CLASS	5.2
AIR PACK GR.	II

15 REGULATORY INFORMATION

LABELLING



Corrosive



Harmful



Oxidising

CONTAINS METHYL ETHYL KETONE PEROXIDE

RISK PHRASES

R7	May cause fire.
R22	Harmful if swallowed.
R34	Causes burns.

SAFETY PHRASES

S3/7	Keep container tightly closed in a cool place.
S14	Keep away from acids, bases, reducing substances and heavy metals.
S36/37/39	Wear suitable protective clothing, gloves and eye/face protection.

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S45	In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).
S50	Do not mix with acid.

EU DIRECTIVES

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.

16 OTHER INFORMATION

INFORMATION SOURCES

Dangerous Properties of Industrial Materials Report, N.Sax et.al.

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REV. NO./REPL. SDS GENERATED 4

RISK PHRASES IN FULL

R34	Causes burns.
R22	Harmful if swallowed.
R11	Highly flammable.
R36	Irritating to eyes.
R7	May cause fire.
R66	Repeated exposure may cause skin dryness or cracking.
R2	Risk of explosion by shock, friction, fire or other sources of ignition.
R67	Vapours may cause drowsiness and dizziness.