Cyclopentanone (CAS# 120-92-3), 100%

Information pertaining to particular dangers for man and environment

Xi Irritant

Hazard description:

Description: (CAS#)

EINECS Number:

Identification number(s):

Chemical characterization:

Alfa Aesar, A Johnson Matthey Company

Stock number:

Trade name:

Cyclopentanone

Product details:

Material Safety Data Sheet

Reviewed on 05/05/2000

Employers should use this information only as a supplement to other information gathered by them, and should make every effort to ensure that the information is not in conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the Department issuing MSDS:

36/38 Irritating to eyes and skin.

Product related hazard informations:

Proper shipping name:

III

UN/ID Number:

Cyclopentanone

UN Number:

2245

Description of goods:

UN-Number:

3 Flammable liquids

ADR/RID class:

Land transport ADR/RID  (cross-border)

III

Disposal must be made according to official regulations.

3

DOT regulations:

Consult state, local or national regulations for proper disposal.

Uncleaned packagings:

No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.

Strong irritant with the danger of severe eye injury.

Other than potential irritation (see above), no information on illness or injury from acute or chronic exposure to this product is available.

Inhalative: LC50: 19500 mg/m3 (rat)

Additional toxicological information:

Subacute to chronic toxicity:

Sensitization:

No sensitizing effects known.

Bases

on the eye:

LD/Lc50 values that are relevant for classification:

on the skin:

Irritant to skin and mucous membranes.

Reducing agents

Oxidizing agents

Carbon monoxide and carbon dioxide

No dangerous reactions known

Dangerous reactions

Thermal decomposition / conditions to be avoided:

Not miscible or difficult to mix

Solubility in / Miscibility with

Not determined

Vapor pressure:

Upper:

Explosion limits:

Not determined

Decomposition temperature:

Not determined

Avoid contact with the eyes and skin.

Flash point:

30 ° C

Sublimation temperature / start:

130-131 ° C

Melting point/Melting range:

-51 ° C

Change in condition

Tightly sealed goggles

Value/Range  Unit    Method

Not determined

Color:

Keep away from foodstuffs, beverages and feed.

Body protection:

Use suitable respirator when high concentrations are present.

Eye protection:

Protection of hands:

Do not store together with alkalies (caustic solutions).

Store in cool, dry conditions in well sealed containers.

Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute.

Personal protective equipment

No data

Keep container tightly sealed.

Store away from oxidizing agents.

Protect against electrostatic charges.

No special requirements.

See Section 13 for disposal information.

Requirements to be met by storerooms and receptacles:

Keep container tightly sealed.

Information about protection against explosions and fires:

Keep away from ignition sources

Ensure adequate ventilation

Ensure adequate ventilation.

Do not allow material to be released to the environment without proper governmental permits.

Additional information:

Wear self-contained respirator.

Person-related safety precautions:

resulting gases:

Use carbon dioxide, extinguishing powder or foam.  Water may be ineffective but may be used for cooling exposed containers.

Seek immediate medical advice.

Special hazards caused by the material, its products of combustion or

Seek immediate medical advice.

Immediately wash with water and soap and rinse thoroughly.

R 36/38 Irritating to eyes and skin.

Supply fresh air. If required, provide artificial respiration. Keep patient warm.

After eye contact

After skin contact

Emergency Phone: (978) 521-6300

Ward Hill, MA 01835-8099