SECTION 1: Product Identification

Chemical Name: Platinum, 5% on alumina powder, reduced, dry (Escat 2941

Product Number: 20

CAS Registry

7440-06-4

231-116-1

Number:

Formula:

Pt on alumina

EINECS Number:

1.(1))

Chemical Family: supported metal catalyst

Synchum: Platinum on alumina catalyst

SECTION 2: Composition and Information on Ingredients

Ingredient CAS Number Percent ACCIH (TWA) OSHA (PEL)

Title compound 7440-06-4 5 1mg/m3 no data

Alumina 1344-28-1 95 10mg/m3 (as Al2O3) 15mg/m3 (as total Al dust)

SECTION 3: Hazards Identification

Emergency Overview: Inhalation hazard as a fine dust or fume.

Primary Routes of

Inhalation, ingestion

Exposure:

Eye Contact: The dest may cause slight to mild irritation of the eyes.

Skin Contact: Sk

Hazard associated with inhalation of fine dust or fume. May be irritating to the nose Inhalation:

and respiratory tract.

Ingestion: No specific information is available on the physiological effects of ingestion.

Acute Health Effects: Dust may be irritating to skin, eyes and respiratory tract.

Chronic Health

No information available on health effects of prolonged or repeated exposure.

No.

IARC: No

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OSHA: No

Eye Exposure:

Inhalation

SECTION 4: First Aid Measures

insmediately flush the eyes with copious amounts of water to at least 10-15

minutes. A victim may need assistance in keeping their $\epsilon v \epsilon$ lids open. Get

immediate medical attention.

Wash the affected area with water. Remove contaminated clothes if necessary. Skin Exposure:

Seek medical assistance if irritation persists.

Remove the victim to fresh air. Closely mornior the victim for signs of respiratory

problems, such as difficulty in breathing, courning, wheezing, or pain. In such

cases seek immediate medical assistance.

Seek medical attention immediately. Keep the victim calm. Give the victim water

(only if conscious). Induce vomiting only if directed by medical personnel.

SECTION 5: Fire Fighting Measures

Flash Point: no data

Autoignition

Temperature:

none

Explosion Limits: none

Extinguishing

Medium:

none. Material is non-flammable

Special Fire Fighting

Procedures:

No special fire fighting procedures required for this material.

Hazardous

Combustion and

Decomposion

none

Products:

Unusual Fire or

No unusual fire or explosion hazards.

Explosion Hazards:

SECTION 6. Accidental Release Measures

Spill and Leak

Procedures:

Small spills can be mixed with vermiculite or sodium carbonate and swept up.

SECTION 7: Handling and Storage

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Handling and

Storage:

Store in a tightly sealed container. Handle fine powders in a well ventilated area.

SECTION 8: Exposure Controls and Personal Protection

Eye Protection:

Always wear approved safety glasses when handling a cremical substance in the

laboratory.

Skin Protection:

Wear protective clothing and gloves.

Ventilation

Handle the material in an efficient fume hood

/2/

If ventilation is not available a respirator should be worn. The use of respirators

requires a Respirator Protection Program to be in compliance with 29 CFR

1910.134.

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No additional protection required

SECTION 9: Physical and Chemical Properties

Color and Form:

gray powder (d50=70 microns)

Molecular Weight:

not applicable

Melting Point:

no data

Boiling Point:

no data

Vapor Pressure:

no data

Specific Gravity:

no data

Odor:

none

Solubility in Water:

insoluble

SECTION 10: Stability and Reactivity

Stability:

air and moisture stable

Hazardous

no hazardous polymerization

Polymerization:

no nazaraodo polymenzation

Conditions to Avoid:

If used as a catalyst, keep spent catalyst away from combustibles.

Incompatibility:

none

Decomposition

none

Products:

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SECTION 11: Toxicological Information

Platinum: Intraperitoneal(mouse); LD50: 17 mg/kg. Oral (rat); TDLo:

RTECS Data: 9102mg/kg/26W-I. Implant (rat); TDLo: 5250mg/kg(tumors at site of application).

Implant (mouse); TDLo: 23gm/kg(tumors at site of application).

Carcinogenic Effects: Platinum: Equivocal tumorigenic agent by RTECS criteria

Mutagenic Effects no data

Tetratogenic Effects: no data

SECTION 12: Ecological Information

Ecological No information quality

No information available Information:

TION 13: Disposal Considerations

Disposal: Dispose of according to local, state and federal regulations.

SECTION 14: Transportation

Shipping Name
Non-hazardous

(CFR):

Hazard Class (CFR): NA

Additional Hazard

Class (CFR):

Packaging Group

(CFR):

UN ID Number (CFR):

Shipping Name
Non-hazardous

NA

200

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Hazard Class (IAT.\)

(IATA):

Additional Hazard NA Class (I.43 A):

Packaging Group

(IATA):

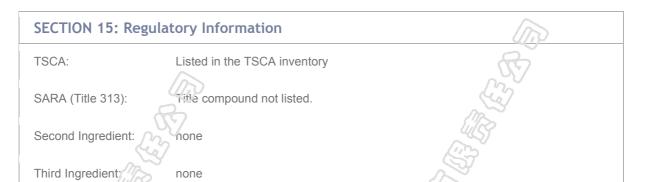
UN ID Number

(IATA):

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