

READ THIS FIRST

This booklet, from beginning to end, was designed for you. Every word is aimed at keeping you - whatever your job - safe. It points out the main hazards in the yard in connection with maintenance work. It tells you where they are, how to work around them, and what to do in case of trouble.

GENERAL PRECAUTIONS

Follow these at all times in all areas.

- (1) Use non-sparking tools in all gaseous areas.
- (2) Before connecting or disconnecting hoses to tank cars, find out from your supervisor what product is being handled and what precautions to follow.
- (3) If you have any questions about any matter, ask your supervisor.

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ACID PLANT

<i>1. Hazard</i>	SULFURIC AND CRESYLIC ACID - Burns skin and eyes.
<i>Location</i>	Unit Area (tanks, lines, pumps, etc.)
<i>How to Recognize</i>	<u>Cresylic acid</u> - Dark-colored liquid (like creosote). <u>Sulfuric acid</u> - Liquid; may be colorless or any shade of brown. Fumes, sharp odor.
<i>Precautions</i>	Wear rubber gloves and goggles, and other adequate clothing. Contact operator be- fore doing work.
<i>In Case of Trouble</i>	<u>Cresylic acid</u> - Wash with water, then alcohol. <u>Sulfuric acid</u> - Wash with water.

2. *Hazard*

CAUSTIC - Burns skin and eyes.

Location

Throughout area in lines and pumps.

How to Recognize

Liquid; may be water white, red, brown, or black. Feels slick; has "sweet" odor.

Precautions

Wear rubber gloves, goggles, and adequate clothing.

In Case of Trouble

Wash with water.

**ORGANIC SALTS - Burns
skin and eyes.**

Location

Around lines and pumps and
Tanks No. 201 and 201½.

How to Recognize

Heavy liquid. Color ranges
from red through black. Feels
slick; has "sweet" odor.

Precautions

Wear rubber gloves, goggles,
and adequate clothing. Use
particular caution around
these tanks.

In Case of Trouble

Wash with water.

4. *Hazard*

HYDROGEN SULFIDE GAS -
Very toxic.

Location

Around Tanks No. 201 and
201½.

How to Recognize

"Rotten egg" smell; odorless
in high concentrations.
Causes dizziness, sick feeling.
Turns silver black in minutes.

Precautions

Use gas masks or fresh air
masks, if necessary. Use
particular caution around
these tanks.

In Case of Trouble

Move to fresh air; give arti-
ficial respiration if necessary.
Get medical aid immediately.

COMBINATION UNIT

1. Hazard

HYDROGEN SULFIDE GAS -
Very toxic.

Location

Throughout unit, mainly on
west side at straight run
separators and the vacuum
flash tower barometric.

How to Recognize

"Rotten egg" smell; odorless
in high concentrations.
Causes dizziness; sick feeling.
Turns silver black in minutes.

Precautions

Fresh air masks or gas masks,
if necessary

In Case of Trouble

Move to fresh air; give arti-
ficial respiration if necessary.
Get medical aid immediately.

10,000 VOLTS - Electric shock.

Location

Top of desalter sphere, inside locked wire gate.

How to Recognize

Sign "Danger High Voltage."
Large porcelain insulators are used in high voltage service.

Precautions

Be sure power is off before working around top of sphere, inside fence.

In Case of Trouble

Do not touch man. Remove him from voltage with non-conductive material (dry rope, stick, etc.). Then give artificial respiration.

3. *Hazard*

CAUSTIC - Burns skin and eyes.

Location

Around desalter.

How to Recognize

Liquid; may be water white, red, brown, or black. Feels slick; has "sweet" odor.

Precautions

Wear rubber gloves, goggles, and adequate clothing.

In Case of Trouble

Wash with water.

4. *Hazard*

AMMONIA - Irritates lungs;
burns skin and eyes.

Location

North side of unit at cold oil
pump room.

How to Recognize

Gas. Sharp, choking, nose-
stinging smell.

Precautions

Use gas masks.

In Case of Trouble

Move to fresh air and give
artificial respiration. Get
medical aid.

5. *Hazard*

· POSSIBLE EXPLOSIVE GAS -
Fire and explosion.

Location

Motor room on J1 and J2 motors.

How to Recognize

Check with safety man.

Precautions

Have area tested for explosive
gases.

In Case of Trouble

Get medical aid.

HYDROGEN SULFIDE GAS
Very toxic.

Location

Around area.

How to Recognize

"Rotten egg" smell; odorless in high concentrations. Causes dizziness, sick feeling. Turns silver black in minutes.

Precautions

Use fresh air masks or gas masks, if necessary.

In Case of Trouble

Move to fresh air; give artificial respiration if necessary. Get medical aid immediately.

CONTINUOUS TREATING PLANT

1. Hazard

CAUSTIC - Burns skin and eyes.

Location

Around plant area.

How to Recognize

Liquid; may be water white, red, brown, or black. Feels slick; has "sweet" odor.

Precautions

Wear rubber gloves, goggles, and adequate clothing.

In Case of Trouble

Wash with water.

2. *Hazard*

POTASSIUM HYDROXIDE -
Burns skin and eyes.

Location

Treating Plant No. 1 area at
regeneration column on east
side of area.

How to Recognize

Liquid; may be water white,
red, brown, or black. Feels
slick; has "sweet" odor.

Precautions

Wear rubber gloves, goggles,
and adequate clothing.

In Case of Trouble

Wash with water.

ETHYL PLANT

<i>Hazard</i>	TETRAETHYL LEAD - Very toxic.
<i>Location</i>	Tanks inside buildings, at Truck Loading Rack "A" (south of Ethyl Plant), and at Loading Rack No. 4.
<i>How to Recognize</i>	Colorless, oily liquid with sharp smell. Toxic; inflam- mable. Signs mark storage ranks.
<i>Precautions</i>	Check with operating person- nel before performing any work. Wear special protective equipment furnished by com- pany. Clean all equipment, gloves, and boots each day. Wear clean clothing each day. Follow existing regulations.
<i>In Case of Trouble</i>	Wash with kerosine and take a shower using hot water and soap. Get medical aid.

HOUDRY UNIT NO. 3

<i>1. Hazard</i>	NITRIC ACID - Burns skin and eyes.
<i>Location</i>	Southwest corner of case structure, at ground level.
<i>How to Recognize</i>	Liquid; looks like water. Sharp odor.
<i>Precautions</i>	Wear rubber gloves and goggles. Have operator or supervisor present.
<i>In Case of Trouble</i>	Wash with water.

2. *Hazard*

HOT SALT - Burns skin and eyes.

Location

Around case structure and unit area.

How to Recognize

Hot, white liquid or solid.
Will flash.

Precautions

Contact operator before doing work. Wear adequate clothing and goggles.

In Case of Trouble

Get medical aid.

3. *Hazard*

HYDROGEN GAS - Burns
and explodes.

Location

West of salt tank (north of
Control Room) and on cylin-
ders on west side of road.

Precautions

Get safety approval before
working in these areas.

In Case of Trouble

Get medical aid.

4. Hazard

HYDROGEN SULFIDE GAS -
Very toxic.

Location

Throughout stabilizer area
and Compressor Station No. 1
area.

How to Recognize

"Rotten egg" smell; odor-
less in high concentrations.
Causes dizziness, sick
feeling. Turns silver black
in minutes.

Precautions

Use fresh air masks or gas
masks if necessary.

In Case of Trouble

Move to fresh air; give arti-
ficial respiration if neces-
sary. Get medical aid
immediately.

LIGHT OIL AGITATORS

<i>1. Hazard</i>	CAUSTIC - Burns skin and eyes.
<i>Location</i>	Around entire area.
<i>How to Recognize</i>	Liquid; may be water white, red, brown, or black. Feels slick; has "sweet" odor.
<i>Precautions</i>	Wear rubber gloves, goggles, and adequate clothing.
<i>In Case of Trouble</i>	Wash with water.

Material

POTASSIUM HYDROXIDE
Burns skin and eyes.

Location

In pumps and lines.

How to Recognize

Liquid; may be water white, red, brown, or black. Feels slick; has "sweet" odor.

Precautions

Wear rubber gloves, goggles, and adequate clothing.

In Case of Trouble

Wash with water.

7. Name

**Hydrofluoric Acid - Burns
skin and eyes.**

Location

**Around pumps in northwest
corner of area.**

How to Recognize

Liquid; may be colorless or
any shade of brown. Gives
off fumes, sharp odor. Stings
skin.

Precautions

Wear rubber gloves, goggles,
and adequate clothing. Con-
tact operator before doing
work.

In Case of Trouble

Wash with water.

4. *Leakage*

Leakage - from the
eyes; irritates lungs.

Location

Around vertical tanks south
of pump room.

How to Recognize

Orange colored powder.

Precautions

Wear rubber gloves, goggles,
and adequate clothing.

In Case of Trouble

Wash with water.

Name

MOBILEHEAT BURNITON
(RT 98-B) - Burns skin
(continuous burn)

Location

In northwest corner of area
at Tank No. 491.

How to Recognize

Brownish-yellow tallow-like
substance. May be liquid or
solid.

Precautions

Wear rubber gloves, goggles,
and adequate clothing. Use
particular caution around
Tank No. 491.

In Case of Trouble

Wash skin and clothes with
water.

Hazard

CAUSTIC - Burns skin and eyes.

Location

Around pumps, tanks, and lines in area.

How to Recognize

Liquid may be water white, red, brown, or black. Feels slick has "sweet" odor.

Precautions

Wear rubber gloves, goggles, and adequate clothing

In Case of Trouble

Wash with water.

Location

Around pumps, tanks, and lines in area.

How to Recognize

Liquid; may be water white, red, brown, or black. Feels slick; has "sweet" odor.

Precautions

Wear rubber gloves, goggles, and adequate clothing.

In Case of Trouble

Wash with water.

1. *Physical Properties*
 2. *Chemical Properties*
 3. *Uses*
 4. *Precautions*
 5. *First Aid*
 6. *Storage*
 7. *Transportation*
 8. *Disposal*
 9. *References*
 10. *Notes*

Location

Around pump, tanks, and lines in area.

How to Recognize

Heavy liquid. Color ranges from red through black. Feels slick; has "sweet" odor.

Precautions

Wear rubber gloves, goggles, and adequate clothing.

In Case of Trouble

Wash with water.

TANKS CONTAINING LEADED GASOLINE

Hazard

TETRAETHYL LEAD is gasoline - Poisonous as tetraethyl lead clings to rust on inside of tanks. Can breathe it or contact it bodily.

Location

In various tanks.

How to Recognize

Tanks containing leaded gasoline are marked "Do Not Enter Tank - Leaded Gasoline." This sign is on or near the manhole.

Precautions

Get approval of Oil Movements, Safety Division and Ethyl Corporation representative before entering. Follow prescribed procedures.

In Case of Trouble

Move to fresh air and get medical aid immediately.

1. Hazard

CATALYST BEADS - If hot, burn skin; loose catalyst on floors causes falls.

Location

Throughout structure.

How to Recognize

Round, yellow bead which turns darker in use.

Precautions

Check with operator on blinds, etc.

In Case of Trouble

Get medical aid.

**Caution: Symptoms of
Suffocation.**

Location

Around kiln structures.

How to Recognize

Smells like car exhaust
fumes.

Precautions

Check with unit operator.
Wear gas masks if neces-
sary.

In Case of Trouble

Move to fresh air; give arti-
ficial respiration.

Location

Around stabilizer and depropanizer areas and sewers.

How to Recognize

"Rotten egg" smell; odorless in high concentrations. Causes dizziness, sick feeling. Turns silver black in minutes.

Precautions

Use gas masks or fresh air masks, if necessary.

In Case of Trouble

Move to fresh air; give artificial respiration if necessary. Get medical aid immediately.

From the kiln structure and
dry system.

Location

Near flue gas stack and
around kiln structure.

How to Recognize

Intense odor.

Precautions

Use fresh air masks, if
necessary.

In Case of Trouble

Move to fresh air.

Warning

RADIUM - Burns skin.

Location

Top deck at disengaging
drums.

How to Recognize

Check with unit operator
and observe warning signs.

Precautions

Work with unit operator.
Avoid direct contact with
radium holders.

In Case of Trouble

Get medical aid.

When blind is closed, the
floor causes falls.

Location

Throughout structure.

How to Recognize

Round, yellow bead which
turns darker in use.

Precautions

Check with operator on
blinds, etc.

In Case of Trouble

Get medical aid.

Location

Around kiln structures

How to Recognize

Smells like car exhaust fumes.

Precautions

Check with unit operator.
Wear gas masks if necessary.

In Case of Trouble

Move to fresh air; give artificial respiration.

Location

Around stabilizer and depropanizer areas and sewers.

How to Recognize

"Rotten egg" smell; odorless in high concentrations. Causes dizziness, sick feeling. Turns silver black in minutes.

Precautions

Use gas masks or fresh air masks, if necessary.

In Case of Trouble

Move to fresh air; give artificial respiration if necessary. Get medical aid immediately.

Hazard

RADIUM - Burns skin.

Location

Top deck at disengaging drums.

How to Recognize

Check with unit operator and observe warning signs.

Precautions

Work with unit operator. Avoid direct contact with radium holders.

In Case of Trouble

Get medical aid.

CAUTION: This device is used to warn of floor surface failure.

<i>Location</i>	Throughout structure.
<i>How to Recognize</i>	Round, yellow bead which turns darker in use.
<i>Precautions</i>	Check with operator on blinds, etc.
<i>In Case of Trouble</i>	Get medical aid.

Location

Around kiln structures.

How to Recognize

Smells like car exhaust fumes.

Precautions

Check with unit operator.
Wear gas masks if necessary.

In Case of Trouble

Move to fresh air; give artificial respiration.

Location

Around scrublines and
penalizer areas and sewers.

How to Recognize

"Rotten egg" smell; odor-
less in high concentrations.
Causes dizziness, sick feel-
ing. Turns silver black in
minutes.

Precautions

Use gas masks or fresh air
masks, if necessary.

In Case of Trouble

Move to fresh air, give arti-
ficial respiration if neces-
sary. Get medical aid im-
mediately.

...
burns skin and eyes.

Location

East side of pump room at ground level.

How to Recognize

Gas. Has sharp, choking, nose-stinging smell.

Precautions

Use gas masks.

In Case of Trouble

Move to fresh air, and give artificial respiration. Get medical aid.

I. Hazard

RADIUM - Burns skin.

Location

Top deck at disengaging drums.

How to Recognize

Check with unit operator and observe warning signs.

Precautions

Work with unit operator.
Avoid direct contact with radium holders.

In Case of Trouble

Get medical aid.

CATALYST BEADS - If hot,
burn skin; loose catalyst on
floors cause falls.

<i>Location</i>	Throughout structure.
<i>How to Recognize</i>	Round, yellow bead which turns darker in use.
<i>Precautions</i>	Check with operator on blinds, etc.
<i>In Case of Trouble</i>	Get medical aid.

hazard

***Carbon Monoxide
Intoxication***

<i>Location</i>	Around kiln structures.
<i>How to Recognize</i>	Smells like car exhaust fumes.
<i>Precautions</i>	Check with unit operator. Wear gas masks if necessary.
<i>In Case of Trouble</i>	Move to fresh air; give artificial respiration.

Location

Feed Preparation Unit - Top
of desalter sphere, inside
locked wire gate.

How to Recognize

Sign "Danger High Voltage."
Large porcelain insulators
are used in high voltage
service.

Precautions

Be sure power is off before
working around top of sphere,
inside fence.

In Case of Trouble

Do not touch man. Remove
him from voltage with non-
conductive material (dry rope,
stick, etc.). Then give arti-
ficial respiration.

Location

Around stabilizer and depropanizer areas and sewers.

How to Recognize

"Rotten egg" smell; odorless in high concentration. Causes dizziness, sick feeling. Turns silver black in minutes.

Precautions

Use gas masks or fresh air masks, if necessary.

In Case of Trouble

Move to fresh air; give artificial respiration if necessary. Get medical aid immediately.

I. Hazards

CAUSTIC - Burns skin and eyes.

Location

Caustic rack west of Pump House No. 1.

How to Recognize

Liquid; may be water white, red, brown, or black. Feels slick; has "sweet" odor.

Precautions

Wear rubber gloves, goggles, and adequate clothing.

In Case of Trouble

Wash with water.

WHARF AREA

<i>1. Hazard</i>	RT 123 A and RT 125 A INHIBITORS - Burn skin and eyes.
<i>Location</i>	Tanks No. 496 and 497 (east of Ethyl Plant pump house).
<i>How to Recognize</i>	Brownish liquid.
<i>Precautions</i>	Wear rubber gloves, goggles, and adequate clothing.
<i>In Case of Trouble</i>	Wash with water immediately and get medical aid.

**CRESYLIC ACID - Burns
skin and eyes.**

Location

Around unit area.

How to Recognize

Dark-colored liquid (like
creosote).

Precautions

Wear rubber gloves and
goggles.

In Case of Trouble

Wash with water, then
alcohol.

Location

Around unit area.

How to Recognize

Colorless gas; "sweet" odor; shows as a vapor in damp weather. May be in liquid form. Leak causes frost on piping.

Precautions

Check with operator.

In Case of Trouble

Use fire extinguishers.

	CLAY ASH (naphtha) Explosive; irritates lungs; burns skin and eyes.
<i>Location</i>	Around filters.
<i>How to Recognize</i>	"Gasoline" odor. Very in- flammable.
<i>Precautions</i>	Check with operator.
<i>In Case of Trouble</i>	Wash with water. Use fire extinguisher if "flashes."

Sodium nitrate and nitrite
Burns and explodes.

Location

Thermoform Kilns.

How to Recognize

White, granular, resembles salt when not liquid. In liquid stage; burns rapidly in contacting carbon or celluloses (clothing, wood, rags).

Precautions

Check with operator.

In Case of Trouble

Use fire extinguisher if "flashes." Medical aid necessary if burned.

1. Hazard

AMMONIA - Irritates lungs,
burns skin and eyes.

Location

Around Ketone Unit No. 1.

How to Recognize

Gas. Sharp, choking, nose-
stinging smell.

Precautions

Use gas masks.

In Case of Trouble

Move to fresh air and give
artificial respiration. Get
medical aid.

Acetone *irritates eyes.*

<i>Location</i>	Around unit areas.
<i>How to Recognize</i>	Colorless liquid; "sweet", pleasant odor. Inflammable.
<i>Precautions</i>	Use gas masks and gloves. Do not wash hands, gloves, or clothes in Ketone.
<i>In Case of Trouble</i>	If "flashes," use extinguisher.

explosion.

<i>Location</i>	At Ketone Unit No. 2.
<i>How to Recognize</i>	Gas or liquid. "Sweet" odor. Leak causes frost on piping.
<i>Precautions</i>	Check with operator. Use gas masks.
<i>In Case of Trouble</i>	If "flashes," use extinguisher.

BURNS from cleaning wax lines.

Location

Throughout unit.

How to Recognize

Check with process personnel on identity of line.

Precautions

Stand clear of end of line being cleaned. When steam is used under pressure, hot water and hot wax may blow out behind the plug of wax blocking the flow. When steam is used to melt wax, the hot water and wax may blow back upon the person using steam.

In Case of Trouble

Treat for burns.

1. Hazard

AMMONIA - Irritates lungs,
burns skin and eyes.

Location

Under presses.

How to Recognize

Gas. Sharp, choking, nose-
stinging smell.

Precautions

Use gas masks.

In Case of Trouble

Move to fresh air and give
artificial respiration.

Location

Wax films around stairs

How to Recognize

Slippery.

Precautions

Move cautiously to prevent
falling.

ALKYLATION UNIT

1. Hazard

SULFURIC ACID - Burns skin and eyes.

Location

Unit area. Principally around reactors, pumps, and acid settlers.

How to Recognize

Oily liquid; may be colorless or any shade of brown. Gives off fumes, sharp odor. Stings skin.

Precautions

Wear goggles, rubber gloves. Wear rubber suit when entering lines or vessels. Use gas masks, if necessary.

In Case of Trouble

Use acid neutralizers, emergency bath tubs, and showers.

	eyes.
<i>Location</i>	Unit area. Mainly around settling vessels.
<i>How to Recognize</i>	Liquid; may be water white, red, brown, or black. Feels slick; has "sweet" odor.
<i>Precautions</i>	Wear rubber gloves, goggles, and adequate clothing.
<i>In Case of Trouble.</i>	Use emergency showers; wash with neutralizer and water.

COOLING TOWERS

<i>Hazard</i>	CHLORINE GAS - Toxic; irritates eyes.
<i>Location</i>	At chlorine house and chlorine drums, southeast of Cooling Tower No. 2 and in Water Clarifier No. 1 area.
<i>How to Recognize</i>	Greenish-yellow color; irritating, suffocating odor resembling new-mown hay.
<i>Precautions</i>	Be extra careful when working around it. Use special chlorine gas mask provided at location.
<i>In Case of Trouble</i>	Move to fresh air; give artificial respiration; get medical aid.

FURFURAL UNIT NO. 2

<i>Hazard</i>	FURFURAL - Damages skin and irritates eyes.
<i>Location</i>	Mostly on northeast side, in tanks.
<i>How to Recognize</i>	Yellowish-brown liquid with a pungent, sweetish odor resembling burnt almonds. Stings skin, vapor irritates nose and mouth. Moderate fire hazard.
<i>Precautions</i>	Wear goggles and gloves.
<i>In Case of Trouble</i>	Wash off furfural with plenty of water and treat for burns

GAS PLANT NO. 3 AND SWEETENER NO. 1

<i>Hazard</i>	HYDROGEN SULFIDE GAS - Very toxic.
<i>Location</i>	Around compressors (may leak from around packing); around Sweetener area lines.
<i>How to Recognize</i>	"Rotten egg" smell; odor- less in high concentrations. Causes dizziness, sick feel- ing. Turns silver black in minutes.
<i>Precautions</i>	Use brass hammers, spreaders. At Sweetener, wear goggles and rubber gloves when going into lines. Use gas masks provided at unit or use fresh air masks, if necessary.
<i>In Case of Trouble</i>	Move to fresh air and give artificial respiration if neces- sary. Get medical aid im- mediately.

PIPE STILL NO. 2, 3 AND 4

<i>1. Hazard</i>	HYDROGEN SULFIDE GAS - Very toxic.
<i>Location</i>	Control room; reflux pumps.
<i>How to Recognize</i>	"Rotten egg" smell; odorless in high concentrations. Causes dizziness, sick feeling. Turns silver black in minutes.
<i>Precautions</i>	Use blower fans to keep gas out of room; pull fresh air in. Use fresh air masks or gas masks if necessary.
<i>In Case of Trouble</i>	Move to fresh air, give artificial respiration if necessary. Get medical aid immediately.

2. Hazard

AMMONIA - Irritates lungs,
burns skin and eyes.

Location

North of desalters

How to Recognize

Gas: Sharp, choking, nose-
stinging smell.

Precautions

Use gas masks

In Case of Trouble

Move to fresh air and give
artificial respiration. Get
medical aid.

5. Hazard

CAUSTIC - Burns skin.

Location

Near desalters.

How to Recognize

Liquid; brown or milky color.
Feels slick; "sweet" odor.

Precautions

Use gas masks.

In Case of Trouble

Move to fresh air and give
artificial respiration. Get
medical aid.

A. Hazards

30,000 V - L.T.S. - Electric shock.

Location

Top of desalter spheres, inside locked wire gate.

How to Recognize

Sign "Danger High Voltage." Large porcelain insulators are used in high voltage service.

Precautions

Be sure power is off before working around top of sphere, inside fence.

In Case of Trouble

Do not touch man. Remove him from voltage with non-conductive material (dry rope, stick, etc.). Then give artificial respiration.

PIPE STILL NO. 11 AND 12

<i>Hazard</i>	AMMONIA - Irritates lungs; burns skin and eyes.
<i>Location</i>	East of control room.
<i>How to Recognize</i>	Gas. Sharp, choking, nose-stinging smell.
<i>Precautions</i>	Use gas masks.
<i>In Case of Trouble</i>	Move to fresh air and give artificial respiration. Get medical aid.

POLYFORM UNIT

<i>1. Hazard</i>	CHLORINE GAS - Toxic; irritates eyes.
<i>Location</i>	Chlorine drums at north end of cooling tower; chlorine house at east side of cooling tower.
<i>How to Recognize</i>	Greenish-yellow color; irritating, suffocating odor resembling new-mown hay.
<i>Precautions</i>	Be extra careful when working around it. Use special chlorine gas mask provided at location.
<i>In Case of Trouble</i>	Move to fresh air; give artificial respiration. Get medical aid.

2. Hazard

HYDROGEN SULFIDE
Very toxic.

Location

Around unit area.

How to Recognize

"Rotten egg" smell; odorless in high concentrations. Causes dizziness, sick feeling. Turns silver black in minutes.

Precautions

Use fresh air masks or gas masks, if necessary.

In Case of Trouble

Move to fresh air; give artificial respiration if necessary. Get medical aid immediately.

SWEETENER NO. 8

<i>1. Hazard</i>	HYDROGEN SULFIDE GAS - Very toxic.
<i>Location</i>	All over unit.
<i>How to Recognize</i>	"Rotten egg" smell; odorless in high concentrations. Causes dizziness, sick feeling. Turns silver black in minutes.
<i>Precautions</i>	Wear rubber gloves, goggles, fresh air masks or gas masks if necessary.
<i>In Case of Trouble</i>	Move to fresh air; give artificial respiration. Get medical aid immediately.

Hazard

CAUSTIC - Burns skin and
eyes.

Location

Around area.

How to Recognize

Brown or milky colored
liquid. Feels slick; has
"sweet" odor.

Precautions

Wear rubber gloves, goggles,
and adequate clothing.

In Case of Trouble

Wash with water.

T.C.R. 1

<i>Hazard</i>	CATALYST - Irritates skin and respiratory system.
<i>Location</i>	Around structure.
<i>How to Recognize</i>	Green catalyst beads and dust.
<i>Precautions</i>	Check with operator and safety inspector.
<i>In Case of Trouble</i>	Get medical aid.