

RODINE 60

Inhibitor For Pickling and Industrial Cleaning

1. INTRODUCTION

Rodine 60 is a nonfoaming, liquid inhibitor for use in conventional muriatic acid pickling or industrial cleaning on mild and unreactive steels. **Rodine 60** is an effective inhibitor for pickling prior to electroplating.

2. MATERIALS

Rodine 60

3. BUILD UP

The amount of **Rodine 60** required to provide the maximum degree of protection will vary with the specific pickling or industrial cleaning sequence employed. The recommended amount of **Rodine 60** to be used is always given in percent by volume of the concentrated muriatic acid, regardless of the degree of acid dilution used.

The following guide shows the correct amount of **Rodine 60** to use for the application:

For Pickling of Mild and Unreactive Steels

Use **Rodine 60** at ½% by volume of the concentrated muriatic acid.

For Preplating Pickle Baths

Use **Rodine 60** in amounts ranging from 1/8 to 1/4% by volume of the concentrated muriatic acid.

For Industrial Cleaning Operations

Use **Rodine 60** in amounts ranging from 1-2% by volume of the concentrated muriatic acid.

4. OPERATION

Rodine 60 may be added directly to either concentrated or dilute muriatic acid. It is stable for long periods of time in the concentrated acid.

Rodine 60 is effective from room temperature to 66°C. It should not be used in pickling or industrial cleaning temperatures above 66°C.

5. STORAGE REQUIREMENTS

Rodine 60 will freeze at -10°C . Freezing is detrimental to the product. It is recommended that **Rodine 60** be stored in a dry area where the temperature will not fall below -6°C .

6. WASTE DISPOSAL INFORMATION

Applicable regulations concerning disposal and discharge of chemicals should be consulted and followed.

Disposal information for **Rodine 60** is given on the Material Safety Data Sheet for each product.

The pickling and industrial cleaning bath is acidic and contains organic **Rodine** inhibitor components.

The pickling and industrial cleaning bath and sludge can contain ingredients other than those in the chemical as supplied and analysis of the solution and/or sludge is required before waste treatment and disposal.

7. PRECAUTIONARY INFORMATION

Before handling the chemical products used in the process, the first aid and handling recommendations on the Material Safety Data Sheet for the product should be read, understood and followed.

DISCLAIMER

Any information given is, to the best of our knowledge, the best currently available, with respect to our products and their use, but it is subject to revision as additional knowledge and experience is gained. Such information is offered as a guideline for experimentation only and is not to be construed as a representation that the material is suitable for any particular purpose or use. Customers are encouraged to make their own enquiries as to the material's characteristics and, where appropriate, to conduct their own tests in the specific context of the material's intended use. This information is not a license to operate under nor is it intended to suggest infringement of any patent. We guarantee a uniform quality standard for this product. The only conditions and warranties accepted by Henkel in relation to this product or process are those implied by either Commonwealth or State statutes.

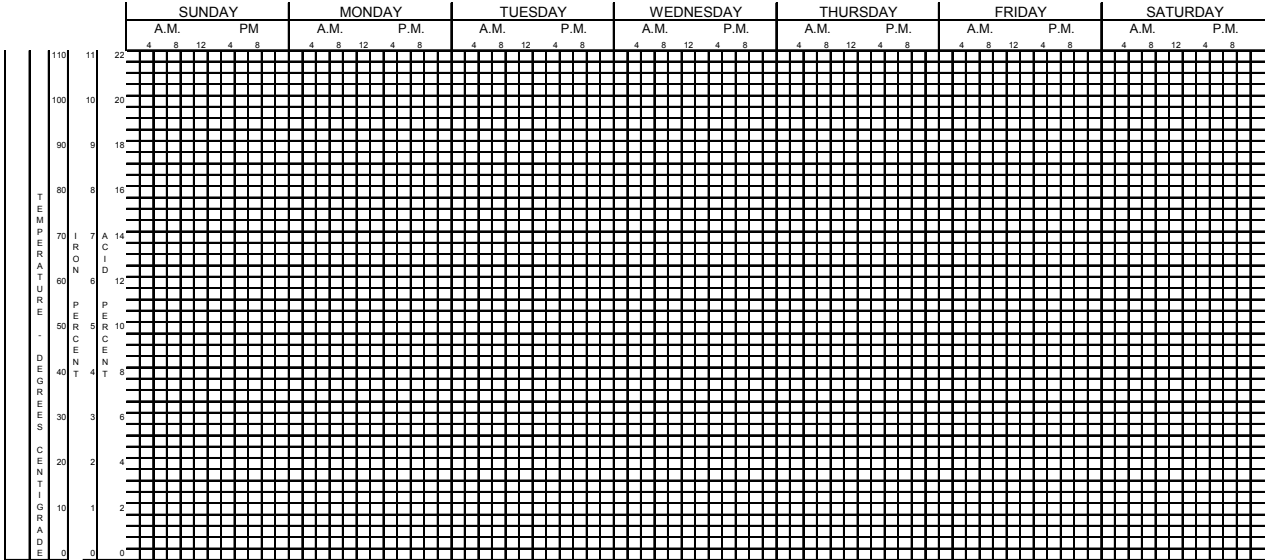
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RODINE SAVES ACID AND IRON

PICKLE LOG

DEPARTMENT :

WEEK OF : _____, 20



ADDITIONS AND TONNAGE

		SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
ACID	TURN 1							
	TURN 2							
	TURN 3							
	TOTAL							
RODINE	TURN 1							
	TURN 2							
	TURN 3							
	TOTAL							
ADDITIONS OTHER	TURN 1							
	TURN 2							
	TURN 3							
	TOTAL							
TONNES PICKLED	TURN 1							
	TURN 2							
	TURN 3							
	TOTAL							

SUMMARY FOR WEEK

1	TOTAL ACID		Kg	5	TONNES PICKLED		Kg
2	ACID DUMPED		Kg	6	Kg ACID PER TONNE TOTAL, 1 ÷ 5 =		Kg
3	ACID CONSUMED, 1 - 2 =		Kg	7	Kg ACID CONSUMED PER TONNE, 3 ÷ 5 =		Kg
4	TOTAL RODINE ADDED		Kg or Litre	8	RODINE PER TONNE TOTAL, 4 ÷ 5 =		Kg or Litre

DIRECTIONS

Plot on chart at regular intervals acid concentrations, iron content and temperature of pickle bath.
 Keep an accurate record of additions of acid, Rodine, salt, Foaming Compound, etc., if added, and the tonnage pickled so the consumption of the acid and Rodine per tonne can be accurately calculated for each work week.
 To prevent wasting acid use Rodine and exhaust acid in the spent bath as far as possible before dumping it.